A Bibliography

GEOTHERMAL RESOURCES

EXPLORATION & EXPLOITATION

MARCH 1975

---NOTICE---
This report was prepared as an account of work sponsored by the United States Government. Neither the United States nor the United States Energy Research and Development Administration, nor any of their employees, nor any of their contractors, subcontractors, or their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness or usefulness of any information, apparatus, product or process disclosed, or represents that its use would not infringe privately owned rights.

UNITED STATES
ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION
Office of Public Affairs
Technical Information Center
<table>
<thead>
<tr>
<th>CONTENTS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>INTRODUCTION</td>
<td>v</td>
</tr>
<tr>
<td>GENERAL</td>
<td>1</td>
</tr>
<tr>
<td>RESOURCES AND AVAILABILITY</td>
<td>3</td>
</tr>
<tr>
<td>(Includes hydrothermal convective systems, conductive thermal gradients, and magma systems; estimated reserves, current and predicted use and rate of development, distribution, etc.)</td>
<td></td>
</tr>
<tr>
<td>USA</td>
<td>9</td>
</tr>
<tr>
<td>Non-USA</td>
<td>23</td>
</tr>
<tr>
<td>SITE GEOLOGY, HYDROLOGY, AND METEOROLOGY</td>
<td>35</td>
</tr>
<tr>
<td>(Includes tectonic and stratigraphic setting of the area, recent faulting, distribution and age of young volcanic rocks, location and character of thermal manifestations including hydrothermally altered rock, temperature and discharge measurements of hot and cold springs, well water table, etc.)</td>
<td></td>
</tr>
<tr>
<td>USA</td>
<td>41</td>
</tr>
<tr>
<td>Non-USA</td>
<td>51</td>
</tr>
<tr>
<td>GEOTHERMAL EXPLORATION AND EXPLORATION TECHNOLOGY</td>
<td>83</td>
</tr>
<tr>
<td>Geophysical Techniques and Surveys</td>
<td>86</td>
</tr>
<tr>
<td>(Includes temperature or geothermal gradient surveys, heat flow determinations, electric and electromagnetic surveys, seismic methods and gravimetric surveys)</td>
<td></td>
</tr>
<tr>
<td>Geochemical Techniques and Surveys</td>
<td>118</td>
</tr>
<tr>
<td>(Includes chemical analysis of thermal water and gases, silica content, isotope ratios, salinity, etc.)</td>
<td></td>
</tr>
<tr>
<td>Exploratory Drilling</td>
<td>139</td>
</tr>
<tr>
<td>(Includes temperature depth distribution, pressure-depth distribution, permeability, porosity, lithology and stratigraphy, and fluid composition)</td>
<td></td>
</tr>
<tr>
<td>REGULATIONS</td>
<td>145</td>
</tr>
<tr>
<td>(Includes legislation, hearings, etc.)</td>
<td></td>
</tr>
<tr>
<td>ECONOMICS</td>
<td>150</td>
</tr>
<tr>
<td>ENVIRONMENTAL ASPECTS</td>
<td>152</td>
</tr>
<tr>
<td>(Includes ground subsidence, noise, earthquakes, uncontrolled blowouts, gaseous emissions, surface and ground water pollution, etc.)</td>
<td></td>
</tr>
<tr>
<td>BY-PRODUCTS</td>
<td>155</td>
</tr>
<tr>
<td>(Includes chemical and mineral extraction, heavy-water production, etc.)</td>
<td></td>
</tr>
<tr>
<td>GEOTHERMAL POWER PLANTS</td>
<td>156</td>
</tr>
<tr>
<td>Design and Operation</td>
<td>159</td>
</tr>
<tr>
<td>Power Conversion Systems</td>
<td>163</td>
</tr>
<tr>
<td>(Includes binary cycles, steam turbines, etc.)</td>
<td></td>
</tr>
<tr>
<td>ENGINEERING</td>
<td>165</td>
</tr>
<tr>
<td>Drilling Techniques and Well Hardware</td>
<td>165</td>
</tr>
<tr>
<td>Geothermal Fluid Transmission</td>
<td>169</td>
</tr>
<tr>
<td>(Includes steam and hot water transmission, two-phase transmission, pipeline design and construction)</td>
<td></td>
</tr>
<tr>
<td>Corrosion and Scaling</td>
<td>169</td>
</tr>
</tbody>
</table>
INTRODUCTION

Geothermal energy has been used for thousands of years in the form of hot water and natural steam for various heating purposes. The use of geothermal energy in large-scale generation of electricity began about 1904. It has now been demonstrated that geothermal power generation compares favorably with other methods in regard to both economics and environmental impact, and that it can contribute toward meeting the world's energy needs.

To aid the industrial and scientific community concerned with geothermal-resource exploration and development, the ERDA's Division of Public Affairs, Technical Information Center, has cataloged, indexed, and stored in machine-readable form a major portion of the scientific and technical information published on this subject.

While not complete, this bibliography is believed to be comprehensive enough to warrant publication at this time. References are being added on a continuing basis and will be available on the ERDA's on-line computer retrieval system, RECON.

References are arranged in broad subject categories. Within a given category the arrangement is chronological.

The references are made up of complete bibliographic citations. These are followed by a listing of the subject descriptors used to describe each reference for machine storage and retrieval.

Three indexes are provided: Personal Author, Subject, and Report Number. The Personal Author Index is made up of an alphabetic listing of all authors of references. The authors' names are followed by the titles of the documents and citation numbers. For documents having multiple authors, the second and succeeding authors are referenced to the first author.

The Subject Index is an alphabetic listing of the more significant subject descriptors chosen to describe the document content. In most instances the subject descriptors are entered in pairs separated by a slash mark, and the second term has been selected to more specifically delineate the first. Each subject entry is then followed by the title of the document and the citation number.

The Report Number Index is an alphanumeric listing of report numbers. The report numbers are followed by availability statements that include all known information related to the public availability and price of the reports.
ABSTRACTS

GENERAL

REFER ALSO TO CITATION (S) 2, 3, 6, 7, 13, 18, 23, 24, 25


NUCLEAR PROPERTIES;RESEARCH PROGRAMS;LEADING ABSTRACT;REACTORS;PLANNING;GEOTHERMAL POWER PLANTS;DESIGN;GEOTHERMAL ENERGY


From Energy research priorities conference; South Berwick, Maine, USA (30 Jul 1972).

ENERGY POLICY;MEETINGS;ENERGY CONSERVATION;ECONOMIC POLICY;SOLAR ENERGY;GEOTHERMAL ENERGY;COAL;ENERGY CONVERSION;LMFBR TYPE REACTORS;REGULATIONS;REGULATORY GUIDES;FUSION REACTIONS;COST BENEFIT ANALYSIS;RESEARCH PROGRAMS;ENVIRONMENTAL EFFECTS;ENERGY CONSUMPTION;PETROLEUM;ELECTRIC POWER;USA;NUCLEAR ENERGY;US AEC;MANAGEMENT;ENERGY RESERVES;OIL SHALES;OIL SANDS;SYNTHETIC FUELS;URANIUM ORES;ENERGY


Dep. NTIS (US Sales Only) $3.25.

From Symposium on the energy crisis: implications for secondary industry; Sydney, Australia (23 May 1973).

RESEARCH PROGRAMS;SOLAR ENERGY;ENVIRONMENT;NATURAL GAS;AUSTRALIA;ENERGY SOURCES;ENERGY CONVERSION;FOSSIL FUELS;ENERGY CONSUMPTION;ENERGY SOURCE CONSERVATION;ECONOMICS;TIDAL POWER;GEOTHERMAL ENERGY;WIND;MAGNETOHYDRODYNAMICS;HYDROELECTRIC POWER;FUEL CELLS


NTIS $6.00; $2.25 (mf).

ENERGY;BIBLIOGRAPHIES;SOLAR ENERGY;GEOTHERMAL ENERGY;NUCLEAR POWER;POWER TRANSMISSION;ENERGY STORAGE

00005 (NASA-SP--7043(01)) ENERGY, A CONTINUING BIBLIOGRAPHY WITH INDEXES. (National Aeronautics and Space Administration, Washington, D.C. (USA)). May 1974. 68p.

NTIS $4.00; $2.25 (mf).

ENERGY;BIBLIOGRAPHIES;SOLAR ENERGY;GEOTHERMAL ENERGY;NUCLEAR POWER;POWER TRANSMISSION;HYDROGEN;ENERGY STORAGE


ENERGY;EDUCATION;ENVIRONMENT;ENERGY SOURCES;ENERGY POLICY;TRANSPORTATION SYSTEMS;EARTHQUAKES;ECONOMICS;ENERGY CONSERVATION;SOLAR ENERGY;GEOTHERMAL ENERGY;ENERGY CONSUMPTION;ECOLOGY


Dep. NTIS $12.75.

GEOTHERMAL ENERGY;RESEARCH PROGRAMS;BUDGETS;BRINES;ROCKS;GEOLoGIC DEPoSITS;PILOT PLANTS;EXPLORATION;ENVIRONMENT;LEGAL ASPECTS;ELECTRIC POWER;HEAT;GEOTHERMAL RESOURCES;GEOTHERMAL POWER PLANTS

00008 FURTHER DETAILS OF STUDIES ON UTILIZATION OF GEOTHERMAL ENERGY. Claude, G.; Claude, A.G. Genie Civil; 126: No. 12, 223-7(15 Jun 1949).

GEOTHERMAL ENERGY;USES;REVIEWS


Book. ENERGY;ENERGY SOURCES;NUCLEAR ENERGY;EXPLOITATION;HEAT;HEAT TRANSFER;ELECTRIC POWER


From Power from the Earth: Geothermal Energy (Bibliography), p. 3.

GEOTHERMAL ENERGY


From American Association of Petroleum Geologists Roundtable; (Sep 1967).

From Power from the Earth: Geothermal Energy (Bibliography), p. 2.

GEOTHERMAL ENERGY
GEOTHERMAL ENERGY

00012 UNITED NATIONS SYMPOSIUM ON THE DEVELOPMENT AND UTILIZATION OF GEOTHERMAL RESOURCES. New York; USA; United Nations (1971).


00023 THE POTENTIAL FOR ENERGY PRODUCTION FROM GEOTHERMAL RESOURCES: REPORT OF THE SUBCOMMITTEE ON WATER AND POWER RESOURCES, COMMITTEE ON INTERIOR AND INSULAR AFFAIRS, UNITED STATES SENATE, NINETY-THIRD CONGRESS, FIRST SESSION. Washington, DC; USA; Committee on Interior and Insular Affairs (Dec 1973).


00028 GEOTHERMAL ENERGY; REVIEWS.
RESOURCES AND AVAILABILITY

REFER ALSO TO CITATION (S) 34, 40, 41, 97, 128, 131, 137, 716, 1636, 2065, 2066, 2644, 2860, 2977, 2995, 3245


GEOTHERMAL RESOURCES; EXPLOITATION; VOLCANIC REGIONS; GEOLOGY; GEOTHERMAL EXPLORATION; NATURAL STEAM; EARTH CRUST; ORIGIN; GEOTHERMAL ENERGY; USES; SEISMOLOGY

00031 (AD--636496) UNDERSEA GEOTHERMAL DEPOSITS, THEIR SELECTION AND POTENTIAL USE. RESEARCH REPORT. Austin, C.F. (Naval Ordnance Test Station, China Lake, CA). Jul 1966. 2p. (NOTS-TP--4122). NTIS $3.00; $0.95 (mf).

SEA; GEOTHERMAL RESOURCES; GEOCHEMISTRY; GEOTHERMAL ENERGY CONVERSION; POWER GENERATION


See also Cruise 25, AD--748309.

GEOTHERMAL RESOURCES; ATLANTIC OCEAN; SEAWATER; THERMAL CONDUCTIVITY; SEDIMENTS


From Power Engineering Society summer meeting and energy resources conference; Anaheim, California, USA (14 Jul 1974).

GEOTHERMAL ENERGY; FORECASTING; THERMAL WATERS; POWER GENERATION; POWER POTENTIAL; NATURAL STEAM; DRY-STEAM SYSTEMS; GEOPRESSED SYSTEMS; HOT-DRY-ROCK SYSTEMS

00034 (AEC-tr--7475) PROCESS FOR THE SIMULTANEOUS UTILIZATION OF GEOTHERMAL AND HYDRO_DYNAMIC ENERGY. Tavip, J.E. [nd].

Translation of Dispositivo para el aprovechamiento simultaneo de la energia geotermica y la hidrodinamica. 7p. Dep. NTIS $3.00.

Potential applications. PATENTS; GEOTHERMAL ENERGY; STEAM; ENERGY SOURCES; FLUID MECHANICS; EVAPORATION; HIGH TEMPERATURE; DRILL CORES; WATER; TURBINES; ENERGY CONSUMPTION; ELECTRIC POWER; HYDROELECTRIC POWER

00035 PROSPECTS FOR GEOTHERMAL POWER. Beck, A.E. Comments Earth Sci., Geophys.; 1: No. 6, 139-49(Apr-May 1971). GEOTHERMAL ENERGY; ELECTRIC POWER


GEOTHERMAL RESOURCES; EXPLOITIVE STIMULATION; COST; LEGAL ASPECTS; ENVIRONMENTAL EFFECTS; GEOTHERMAL ENERGY; POWER POTENTIAL; REVIEWS; ECONOMICS


GEOTHERMAL ENERGY; AVAILABILITY; GEOTHERMAL GRADIENTS; COAL; POWER POTENTIAL


GEOTHERMAL ENERGY; AVAILABILITY; GEOTHERMAL WELLS; ENERGY YIELD; GEOTHERMAL RESOURCES


Includes geothermal heat, underground gasification, tidal power, wind power, and solar energy. COAL GASIFICATION; IN-SITU GASIFICATION; GEOTHERMAL ENERGY; TIDAL POWER; WIND POWER; SOLAR ENERGY CONVERSION

00041 NEW SOURCES OF ENERGY AND ECONOMIC DEVELOPMENT: SOLAR ENERGY, WIND ENERGY, TIDAL ENERGY, GEOTHERMAL ENERGY, AND THERMAL ENERGY OF THE SEAS. New York; UN, Dept. of Economic and Social Affairs (1957). 150p. Monograph. SOLAR ENERGY; WIND POWER; TIDAL POWER; GEOTHERMAL RESOURCES; DEVELOPING COUNTRIES; USES; SOLAR SEA POWER PLANTS; ENERGY SOURCES; ECONOMICS


GEOTHERMAL RESOURCES; THERMAL ENERGY; HEAT FLOW; GEOTHERMAL ENERGY; ENERGY YIELD; STEAM; FLOW RATE; GEYSERS; FUMAROLUES; HOT SPRINGS; THERMAL WATERS; HEAT


GEOTHERMAL RESOURCES; REVIEWS; TABLES; TEMPERATURE GRADIENTS; HYDROTHERMAL SYSTEMS; BOREHOLES


ENERGY DEMAND; ENERGY SUPPLIES; PETROLEUM; OIL SHALES; COAL; NUCLEAR ENERGY; GEOTHERMAL ENERGY; SOLAR ENERGY; TIDAL POWER; GEOTHERMAL RESOURCES;
ENERGY SOURCES

00045 PROSPECTING OF GEOTHERMAL FIELDS AND INVESTIGATIONS NECESSARY TO EVALUATE THEIR CAPACITY. Elizondo, J.R. General report. New York; USA; United Nations (1961). 79p. From UN Conference on New Sources of Energy; Rome, Italy (1961). WORLD-WIDE. GEOTHERMAL ENERGY; GEOTHERMAL FIELDS; GEOTHERMAL EXPLORATION; ITALY; NEW ZEALAND; ICELAND; USA; MEXICO; JAPAN; USSR; EL SALVADOR; NATURAL STEAM; ECONOMICS; POWER POTENTIAL; REVIEWS


00048 THERMAL ENERGY FROM THE EARTH'S CRUST. Banwell, C.J. N. Z. J. Geol. Geophys; 6: No. 1, Intro., Pt. 1, 52-69 (1963). HYDROTHERMAL SYSTEMS; EARTH CRUST; MAGMA; HEAT TRANSFER; NATURAL STEAM; ENERGY YIELD; HEAT; POWER POTENTIAL; MATHEMATICAL MODELS

00049 GEOTHERMAL STEAM ORIGIN, CHARACTERISTICS, OCCURRENCE, AND EXPLOITATION. Kiersch, G.A. Springfield, VA; Clearinghouse Federal Scientific Technical Information (1964). 107p. GEOTHERMAL RESOURCES; BIBLIOGRAPHIES; NATURAL STEAM; HOT SPRINGS; GEOTHERMAL EXPLORATION; EXPLOITATION; GEOTHERMAL ENERGY; POWER GENERATION; ECONOMICS

00050 THERMAL ENERGY FROM THE EARTH'S CRUST. EFFICIENT EXTRACTION OF ENERGY FROM HEATED ROCK. Banwell, C.J. & Z. J. Geol. Geophys; 7: No. 3, 585-93 (1964). EARTH CRUST; HOT-DRY-ROCK SYSTEMS; WAIKAREI GEOTHERMAL FIELD; EFFICIENCY; HEAT FLOW; ENERGY YIELD; GEOLGIC FISSURES; POWER POTENTIAL; HEAT TRANSFER; ROCKS

00051 PROCEEDINGS OF UNITED NATIONS CONFERENCE ON NEW SOURCES OF ENERGY, VOLUME 2. Ruiz Elizondo, J. Geothermal energy, I. New York; USA; United Nations (1964). 420p. (In French and English). From UN Conference on New Sources of Energy; Rome, Italy (1961). GEOTHERMAL RESOURCES; MEETINGS; GEOTHERMAL EXPLORATION; GEOTHERMAL FIELDS; ITALY; ICELAND; NEW ZEALAND; JAPAN; USA; MEXICO; EL SALVADOR; USSR; PACIFIC OCEAN; ISLANDS


00053 MEXICO PUSHES GEOTHERMAL DEVELOPMENT. Oil Gas J.; 62: No. 22, 39 (1964). POWER POTENTIAL. MEXICO; GEOTHERMAL RESOURCES; GEOTHERMAL FIELDS; GEOTHERMAL WELLS; PERFORMANCE; SPECIFICATIONS; CERRO PRIETO GEOTHERMAL FIELD; POWER POTENTIAL

00054 GEOTHERMAL ENERGY. Dollar, A.T.G. Sci. J.; 1: No. 7, 59-64 (1965). WORLD-WIDE DISTRIBUTION AND EXPLOITATION. GEOTHERMAL ENERGY; DISTRIBUTION; EXPLOITATION; EARTH CRUST; VOLCANOES; ICELAND; NORTH AMERICA; SOUTH AMERICA; JAPAN; ITALY; NEW ZEALAND; GEOTHERMAL POWER PLANTS; POWER GENERATION; LARDERELLO GEOTHERMAL FIELD; WAIKAREI GEOTHERMAL FIELD; GEYSERS GEOTHERMAL FIELD; GEOTHERMAL RESOURCES; REVIEWS


00056 UNDERSEA GEOTHERMAL DEPOSITS - THEIR SELECTION AND POTENTIAL USE. Austin, C.F. Technical Publication No. 4122. Pasadena, CA; US Naval Ordinance Test Station (1966). 76p. SEAS; UNDERWATER; GEOTHERMAL RESOURCES; GEOTHERMAL FIELDS; GEOTHERMAL EXPLORATION; GEOTHERMAL POWER PLANTS; WASTE DISPOSAL; POWER POTENTIAL; GEOLGIC DEPOSITS; ECONOMICS

00057 TECHNICAL AND ECONOMIC ASPECTS OF GEOTHERMAL ENERGY. Ten Dam, A. Geol. Mijnbouw; 45: No. 4, 175-82 (1966). GEOTHERMAL FIELDS; DISTRIBUTION; GEOLOGY; GEOTHERMAL ENERGY; ECONOMICS

00058 ISOTOPIC COMPOSITION AND ORIGIN OF THE RED SEA AND SALTON SEA GEOTHERMAL BRINES. Craig, H. Science; 139: No. 356, 154-8 (1965). SALTON SEA; RED SEA; BRINES; THERMAL WATERS; DEUTERIUM; OXYGEN 18; ISOTOPE RATIO; OXYGEN ISOTOPES; ORIGIN; SEDIMENTS; LEACHING; GEOCHEMISTRY

00059 GEOTHERMAL ENERGY. White, D.E. Bull. Volcanol.; 29: 461-463 (1966). BANELLl GEOTHERMAL ENERGY; GEOTHERMAL RESOURCES; EXPLOITATION; USES; HYDROLOGY; GEOTHERMAL FIELDS; HEAT FLOW


00061 DEPTH AND ROCK TEMPERATURES. Loofbourrow, R.L. Mining Eng.; 18: No. 1, 82-7 (Jan 1966). USA; GEOPHYSICAL SURVEYS; TEMPERATURE GRADIENTS; ROCKS; GEOTHERMAL GRADIENTS; TEMPERATURE DISTRIBUTION

00062 TECHNICAL AND ECONOMIC ASPECTS OF GEOTHERMAL ENERGY. Dam, A. Geol. Mijnbouw; 45: No. 6, 175-83 (Jun 1966). GEOTHERMAL ENERGY; ECONOMICS; GEOTHERMAL FIELDS; GEOTHERMAL RESOURCES; REVIEWS; EXPLOITATION

RESOURCES AND AVAILABILITY


00076 AAPG GEOTHERMAL SURVEY OF NORTH AMERICA. Kehie, R.G. (Dept. of Geol. Sci., Univ. of TX, Austin, TX); Schoenball, R.J.; Deford, R.K. Geothermics; No. 2, 356-67(1970).


GEOTHERMAL ENERGY; POWER POTENTIAL

EARTH PLANET; GEOTHERMAL ENERGY; HEATING; ECONOMICS; ENVIRONMENT; GEOLOGY; ENERGY CONVERSION

GEOTHERMAL ENERGY; HYDROTHERMAL SYSTEMS; GEOTHERMAL EXPLORATION; THERMODYNAMICS; EARTH CRUST; GEOLOGY; NATURAL STEAM; GEOTHERMAL RESOURCES

From 8th World Energy Conference; Bucharest, Rom. (26 Jun-2 Jul 1971).
GEOTHERMAL ENERGY; THERMAL WATERS; NATURAL STEAM; ELECTRIC POWER; CARBON DIOXIDE; REFRIGERATION; SULFUR; RECOVERY; DESALINATION; AIR CONDITIONING; MINERALS; USES

From Power from the Earth: Geothermal Energy (Bibliography), p. 7.
GEOTHERMAL RESOURCES; EXPLOITATION; MEETINGS

General principles of energy production and sources.
ENERGY SOURCES; GEOTHERMAL ENERGY; NUCLEAR ENERGY; SOLAR ENERGY; ELECTRICITY

GEOTHERMAL RESOURCES; GEOTHERMAL EXPLORATION

From Power from the Earth: Geothermal Energy (Bibliography), p. 9.
ENERGY SOURCES; GEOTHERMAL RESOURCES; GEOTHERMAL EXPLORATION; GEOTHERMAL POWER PLANTS; ELECTRIC POWER; POWER GENERATION

From Power from the Earth: Geothermal Energy (Bibliography), p. 2.
GEOTHERMAL ENERGY; GEOTHERMAL RESOURCES; ITALY; ICELAND; NEW ZEALAND; JAPAN; USSR; MEXICO; USA

From Power from the Earth: Geothermal Energy (Bibliography), p. 17.
GEOTHERMAL ENERGY; POWER GENERATION; POWER POTENTIAL; ELECTRIC POWER

From Power from the Earth: Geothermal Energy (Bibliography), p. 5.
EARTH PLANET; ENERGY SOURCES

GEOTHERMAL ENERGY; POWER GENERATION; WATER POLLUTION; COST; GEOTHERMAL RESOURCES; GEOTHERMAL FLUIDS; HYDROGEN SULFIDES; AIR POLLUTION; ENVIRONMENTAL EFFECTS; ECONOMICS; ELECTRIC POWER; REVIEWS

From AAAS Symposium on the Energy Crisis, Some Implications and Alternatives; Philadelphia, PA (29 Dec 1971).
GEOTHERMAL ENERGY; GEOTHERMAL RESOURCES; USES; EXPLOITATION; TEMPERATURE GRADIENTS; MEETINGS; ENERGY SHORTAGES

ENVIRONMENT; GEOTHERMAL ENERGY; ECONOMICS; REGULATIONS; SITE SELECTION; SAFETY; GEOTHERMAL RESOURCES

GEOTHERMAL EXPLORATION; GEOTHERMAL RESOURCES; GEOTHERMAL ENERGY; WIND POWER; NUCLEAR POWER; ENERGY SOURCES; FOSSIL FUELS; NEW ZEALAND; ICELAND; USSR; HUNGARY; SOLAR ENERGY; POWER POTENTIAL

GEOTHERMAL RESOURCES; GEOTHERMAL GRADIENTS; HEAT FLOW; EARTH CRUST; POWER POTENTIAL; GEOTHERMAL ENERGY

EARTH PLANET; ENERGY STORAGE; GEOTHERMAL RESOURCES; GEOTHERMAL ENERGY; NATURAL STEAM; THERMAL WATERS

From Power from the Earth: Geothermal Energy (Bibliography), p. 9.
GEOTHERMAL ENERGY; EXPLOITATION

From 26th Annual Conference of the Middle East Institute, Plenary Panel (29 Sep 1972).
ALTERNATIVE SOURCES OF ENERGY; GEOTHERMAL ENERGY; ENERGY CONVERSION; GEOTHERMAL ENERGY; SOLID WASTES; ENERGY CONSERVATION; ENERGY POLICY; FOSSIL FUELS

GEOTHERMAL FIELDS; MANAGEMENT; EXPLOITATION; ENERGY YIELD; HEAT; GEOTHERMAL WELLS; PERFORMANCE; GEOTHERMAL EXPLORATION; ENERGY SOURCES; ECONOMICS; ENVIRONMENT

GEOTHERMAL RESOURCES RESEARCH. Denton, J.C. (National Science Foundation, Washington, DC); Dunlop, D.D. pp 335-346 of


00112 GEOTHERMAL ENERGY; REVIEW OF RESEARCH AND DEVELOPMENT BOOK REVIEW. Muffler, L.J.P. Eng. Geol. (Amsterdam); 7: No. 4, 409-411(1973).


00118 NEW SOURCES OF POWER-GEOTHERMAL RESOURCES. Barnea, J. Conference on world energy supplies. London, England; Financial Times (1973). GEOTHERMAL RESOURCES;POWER GENERATION; ELECTRIC POWER;ENERGY SOURCES;GEOTHERMAL POWER PLANTS;ENERGY SUPPLIES;GEOTHERMAL ENERGY.

00119 ENERGY FROM THE EARTH AND BEYOND. Nash, B. Chemistry; 46: No. 6, 6-9(1973). GEOTHERMAL ENERGY;SOLAR ENERGY;POWER GENERATION;HEATING;COOLING.

00120 ESTIMATES OF GEOTHERMAL ENERGY POTENTIAL. Banwell, J.; Meidav, T. Geophysics; 38: No. 1, 163(1973). GEOTHERMAL ENERGY;POWER POTENTIAL.

00121 ENERGY CRISIS: GEOTHERMAL SOLUTION. Tollurot, Y. Recherches (Paris); 6: No. 35-36(1973). ENERGY SHORTAGES;GEOTHERMAL ENERGY;POWER POTENTIAL;POWER GENERATION;EXPLOITATION.


00123 WHAT IS GEOTHERMAL ENERGY. Arstein, H.C.H. pp 15-18 of Geothermal energy. VTNTIS. From 69. Annual Meeting Cordilleran Section; GEOTHERMAL RESOURCES;EXPLOITATION;GEOTHERMAL RESOURCES;POWER GENERATION.


00127 CHARACTERISTICS OF GEOTHERMAL RESOURCES AND AVAILABILITY.


00129 ENERGY SOURCES;BIBLIOGRAPHIES;ELECTRIC POWER;POWER DEMAND;ENERGY SUPPLIES;POWER GENERATION;ENERGY DEMAND;ENERGY POLICY;ENERGY CONSUMPTION;ENVIRONMENT;POWER PLANTS;GEOTHERMAL ENERGY;FOSSIL FUELS;NUCLEAR FUELS.


00136 GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY;POWER POTENTIAL;POWER GENERATION;EXPLOITATION.

00137 GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY;POWER POTENTIAL;POWER GENERATION;EXPLOITATION.

00138 GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY;POWER POTENTIAL;POWER GENERATION;EXPLOITATION.

00139 GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY;POWER POTENTIAL;POWER GENERATION;EXPLOITATION.

00140 GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY;POWER POTENTIAL;POWER GENERATION;EXPLOITATION.

00141 GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY;POWER POTENTIAL;POWER GENERATION;EXPLOITATION.

00142 GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY;POWER POTENTIAL;POWER GENERATION;EXPLOITATION.

00143 GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY;POWER POTENTIAL;POWER GENERATION;EXPLOITATION.

00144 GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY;POWER POTENTIAL;POWER GENERATION;EXPLOITATION.

00145 GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY;POWER POTENTIAL;POWER GENERATION;EXPLOITATION.

00146 GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY;POWER POTENTIAL;POWER GENERATION;EXPLOITATION.
REFER ALSO TO CITATION (S) 110, 158, 160, 323, 00150 (ANCR--1129, pp 385-389) GEOTHERMAL RESOURCES; USA; TECHNOLOGY; ENERGY; GEOTHERMAL RESOURCES; REVIEWS; CALIFORNIA; GEOLOGY; PROGRAMMING; BOREHOLES; GEOTHERMAL RESOURCES; ELECTRIC POWER; SITE SELECTION; GEOLOGY; ECONOMICS; GEOGRAPHY; AVAILABILITY; HOT-WATER SYSTEMS; USA 9

MONTANA;GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES;ENVIRONMENT;INFRARED RADIATION;GEOPHYSICAL SURVEYS

00161 (PB--196325) ENERGY FUEL MINERAL RESOURCES OF THE PUBLIC LANDS. VOLUME VI: LEGAL STUDY OF COAL RESOURCES ON PUBLIC LANDS; GEOTHERMAL RESOURCES ON PUBLIC LANDS. INTERIM REPORT. (Utah Univ., Salt Lake City. College of Law), Dec 1970. Contract PLLRC--66-C-11. 630p. NTIS $9.00; $0.95 (mf).

COAL RESERVES;GEOTHERMAL RESOURCES;LEGAL ASPECTS;MINERAL SPRINGS;LAND LEASING;PUBLIC LANDS


IMPERIAL VALLEY;BRINES;GEOTHERMAL ENERGY;PLANNING;RESEARCH PROGRAMS;COST BENEFIT ANALYSIS;ENVIRONMENTAL EFFECTS;GEOTHERMAL RESOURCES;CALIFORNIA;MANAGEMENT

00163 (PB--206100-F) PROPOSED DEEP GEOTHERMAL TEST WELL. GEOTHERMAL RESOURCES INVESTIGATIONS, IMPERIAL VALLEY, CALIFORNIA. FINAL ENVIRONMENTAL IMPACT STATEMENT. (Bureau of Reclamation, Boulder City, NV), 28 Apr 1972. 63p. NTIS $3.00; $0.95 (mf).

IMPERIAL VALLEY;GEOTHERMAL EXPLORATION;BOREHOLES;ENVIRONMENTAL IMPACT STATEMENTS;NATURAL STEAM;BRINES;POWER GENERATION;DESALINATION;GEOTHERMAL RESOURCES;WELL DRILLING

00164 (PB--212753) GEOTHERMAL RESOURCES IN CALIFORNIA - POTENTIALS AND PROBLEMS. Goldsmith, M.; Dolph, L. (California Assembly General Research Committee, Sacramento), May 1972. Contract NSF-GT-6. 76p. NTIS $3.00; $0.95 (mf).

CALIFORNIA;GEOTHERMAL RESOURCES;EXPLORATION;ECONOMICS;ENVIRONMENTAL EFFECTS;GEOTHERMAL EXPLORATION;POWER GENERATION;DESALINATION;COOLING

00165 (PB--216423) GEOTHERMAL ENERGY, A NATIONAL PROPOSAL FOR GEOTHERMAL RESOURCES RESEARCH. (Alaska Univ., College, USA), 1972. 25p. NTIS $4.45; $1.45 (mf).

From Geothermal Resources Research Conference; Battelle Research Center, Seattle, WA (18-20 Sep 1972). MEETINGS;PROCEEDINGS;RESEARCH PROGRAMS;GEOTHERMAL RESOURCES;WATER RESOURCES;WATER RESERVOIRS;GEOTHERMAL EXPLORATION;DRILLING;GEOTHERMAL POWER PLANTS;GEOTHERMAL ENERGY;DESALINATION;GEOTHERMAL FLUIDS;USA


From Geothermal Resources Research Conference; Battelle Seattle Research Center, Seattle, WA (18-20 Sep 1972). USA;GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION;ECONOMICS;ENVIRONMENTAL EFFECTS;GEOTHERMAL ENERGY CONVERSION;MEETINGS


GEOPHYSICAL SURVEYS;GEOCHEMICAL SURVEYS;GEOTHERMAL RESOURCES;GEOLOGICAL SURVEYS;BIBLIOGRAPHIES;NEVADA;HEAT TRANSFER;GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION


GEOTHERMAL RESOURCES;ENVIRONMENTAL EFFECTS;FORECASTING;EXPLORATION;ENERGY SOURCES;ELECTRIC POWER;PLANNING;ECONOMICS;GEOTHERMAL ENERGY;AVAILABILITY;RESEARCH PROGRAMS;POWER POTENTIAL;USA


DESALINATION;WATER RESOURCES;GEOTHERMAL RESOURCES;NEVADA;INDUSTRIAL PLANTS;COST;PLANNING;CONVERSION;DISSOLVING;ION EXCHANGE


From Circum-Pacific energy and mineral resources conference; Honolulu, Hawaii, USA (26 Aug 1974).

MAGMA SYSTEMS;GEOTHERMAL ENERGY CONVERSION;GEOTHERMAL POWER PLANTS;PERFORMANCE;SPECIFICATIONS;USA;GEOTHERMAL RESOURCES;RESEARCH PROGRAMS


ELECTRIC POWER;POWER GENERATION;FUSSIL FUELS;SOLAR ENERGY;TIDAL POWER;GEOTHERMAL ENERGY;NUCLEAR FUELS;POWER REACTORS;ENVIRONMENTAL EFFECTS;ECOLOGY;HUMAN POPULATIONS;ECONOMICS;ENERGY DEMAND


ENERGY CONSUMPTION;ENERGY SUPPLIES;ENERGY SOURCES;COST;ECONOMICS;ENVIRONMENTAL EFFECTS;GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES;HYDROELECTRIC POWER;NATURAL GAS;PETROLEUM;SHALE OIL


ENVIRONMENT;ECONOMICS;GROUND WATER;NATURAL GAS;ENERGY SOURCES;GEOTHERMAL ENERGY;ELECTRIC POWER;GULF OF MEXICO;TAXAS;LOUISIANA;ENERGY CONVERSION;STORED ENERGY;HEATING;GEOTHERMAL RESOURCES;GEOPRESSURED SYSTEMS


ENERGY SOURCES;REVIEWS;FUSSIL FUELS;SOLAR ENERGY;GEOTHERMAL ENERGY;NUCLEAR ENERGY;
GEOTHERMAL ENERGY

ECONOMICS; BRINES; SEAWATER; DEMINERALIZATION; USES; AVAILABILITY

00198 LAKE COUNTY'S NEW CONTINUOUS GEYSER. Peterson, N.V. Ore. Bin; 21: No. 9, 83-8 (1959). OREGON; GEYSERS; BOREHOLES

00199 GEOTHERMAL POWER TO COME TO US. Michael, G. U. Plant and Power Services Engr., 1: No. 5, 10-19 (Sep 1959). CALIFORNIA; GEOTHERMAL ENERGY; GEOTHERMAL POWER PLANTS; ELECTRIC POWER; NATURAL STEAM; SUPERHEATED STEAM; DESIGN; OPERATION; PLANNING; COST

00200 POWER RECOVERY FROM THE KILAUEA IKI LAVA POND. Kennedy, G.C.; Griggs, D.T. Contract AT-11-1-135. USA: Rand Corp. (1960). 25p. VOLCANOES; HAWAII; POWER POTENTIAL; ENERGY YIELD; GEOTHERMAL ENERGY; HEAT; ECONOMICS; EXPLOITATION; EFFICIENCY; ELECTRICITY; LAVA

00201 US GEOTHERMAL WELLS ARE NOW A REALITY. Langton, A. Petrol. Engr.; 33: No. 11, 76-81 (1961). USA; GEOTHERMAL WELLS; SPECIFICATIONS; HOT SPRINGS; GEYSERS; GEOTHERMAL FIELD

00202 US HARNESSING VOLCANIC STREAM. McLaughlin, K. New York Times; 112: No. 38, 226, Sec. 3, 10, Col. 3-6 (1962). GEYSERS; GEOTHERMAL FIELD; GEOTHERMAL POWER PLANTS; POWER POTENTIAL; GEOTHERMAL RESOURCES; PLANNING; NATURAL STEAM

00203 NATURAL STEAM EXPLORE IN USA. Facco, G.; Tonani, F. Boll. Geofis. Teor. Appl.; 4: No. 14, 155-70 (1962). (Italian abstract). USA; GEOTHERMAL EXPLORATION; GEYSERS; GEOTHERMAL FIELD; GEOTHERMAL POWER PLANTS; OPERATION; NEVADA; GEOTHERMAL RESOURCES; NATURAL STEAM

00204 EXPLORATION AND DEVELOPMENT OF GEOTHERMAL POWER IN CALIFORNIA. McNitt, J.R. Special report No. 75. Sacramento; USA; Calif. Div. Mines, Geol. (1963). 45p. CALIFORNIA; GEOTHERMAL FIELDS; EXPLOITATION; GEOTHERMAL POWER PLANTS; POWER GENERATION; GEOTHERMAL EXPLORATION; GEYSERS; GEOTHERMAL FIELD; SALTON SEA; GEOTHERMAL ENERGY; NATURAL STEAM; FLOW RATE; WELL DRILLING

00205 SALTON SEA GEOTHERMAL WELLS YIELD STEAM POWER AND MINERAL RICH BRINE. Eng. Mining J.; 165: 116 (1964). CALIFORNIA; GEOTHERMAL WELLS; WELL DRILLING; SALTON SEA; BRINES; MINERALS; CHEMICAL COMPOSITION; IMPERIAL VALLEY; GEOTHERMAL EXPLORATION; MINERAL RESOURCES

00206 RESULTS AND POWER GENERATION IMPLICATIONS FROM DRILLING INTO THE KILAUEA IKI LAVA LAKE. Rawson, D.E.; Bennett, W.F. pp 337-60 of UN Conference on New Sources of Energy. Rome, Italy (1961). FROM UN CONFERENCE ON NEW SOURCES OF ENERGY; Rome, Italy (1961). HAWAII; LAVA DRILLING; LAKES; TEMPERATURE MEASUREMENT; POWER GENERATION; POWER POTENTIAL; CORROSIVE EFFECTS; PIPES; GEOTHERMAL RESOURCES; VOLCANOES; STEAM

00207 PRELIMINARY REPORT ON NEW MEXICO'S GEOTHERMAL ENERGY RESOURCES. Summers, W.K. New Mexico Bureau of Mines, Mineral Research, Circular 80. New Mexico Bur. Mines (1965). 41p. NEW MEXICO; GEOTHERMAL RESOURCES; GEOTHERMAL ENERGY; HOT SPRINGS; POWER POTENTIAL; GEOTHERMAL WELLS; THERMAL WATERS; CHEMICAL COMPOSITION; GEOCHEMISTRY; THERMODYNAMICS; FLUID MECHANICS; DRILLING; GEOTHERMAL EXPLORATION; COST; STEAM; HYDROTHERMAL SYSTEMS

00208 GEOTHERMAL RESOURCES DEVELOPMENT. pp 165-7 of 51st Report of California Division of Oil and Gas, State Oil Gas Supervisor, Summary of Operations. Sacramento; Calif. Div. Oil, Gas (1965). CALIFORNIA; GEOTHERMAL EXPLORATION; GEOTHERMAL RESOURCES; GEOTHERMAL FIELDS


00210 GEOTHERMAL ENERGY. White, D.E. US Geological Survey Circular 519. Washington, DC; USA; US Geol. Surv. (1965). 17p. GEOTHERMAL RESOURCES; EXPLOITATION; AVAILABILITY; POWER POTENTIAL; COST; ECONOMICS; BIBLIOGRAPHIES; GEOTHERMAL FIELDS; USA; GEOLOGY; ENERGY YIELD

00211 UNDERGROUND TEMPERATURES AND HEAT FLOW IN THE EAST TINTIC DISTRICT, UTAH. Lovering, T.S.; Morris, H.T. pp 1-28 of US Geological Survey Professional Paper 504-F. Washington, DC; USA Geological Surv. (1965). UTAH; GEOTHERMAL RESOURCES; MAPS; TEMPERATURE GRADIENTS; HEAT FLOW; TEMPERATURE DISTRIBUTION; BOREHOLES; THERMAL CONDUCTIVITY; THERMAL WATERS; SAMPLING; SALINITY; GEOPHYSICAL SURVEYS


00215 GEOTHERMAL POWER IN CALIFORNIA, A RESPONSE TO SENATE RESOLUTION NO. 138, RELATING TO THE USE OF GEOTHERMAL POWER FOR THE TRANSPORTATION OF WATER OVER THE TECHACHAP MOUNTAINS. Campbell, L.; James, L.B.; Oakeshott, G.B.; Richter, R.C.; Koening, J.B. Sacramento; Calif. Dept. Water Res. (1966). 8p. RESEARCH PROPOSALS. CALIFORNIA; GEOTHERMAL ENERGY; RESEARCH PROGRAMS; GEOTHERMAL RESOURCES; WATER; TRANSPORT; LEGAL ASPECTS

00216 GEOTHERMAL POWER POTENTIAL IN UTAH. Heylman, E.B. Utah Geol. Mineral. Surv.,
**00217** GEOThERMAL ENERGY POTENTIAL IN OREGON. Groh, E.A.; Ore Bin; 28: No. 7, 125-35(1966). Regions of late Cenozoic volcanic activity. OREGON:GEOThERMAL RESOURCES;VOLCANICS;GEOLOGY


**00221** GEOThERMAL POWER IN CALIFORNIA. Sacramento; CA; Resources Agency of California (1966). 8p. CALIFORNIA;GEOThERMAL ENERGY;GEOThERMAL RESOURCES;POWER GENERATION;ELECTRIC POWER;WATER;TRANSPORT;POWER POTENTIAL;USES

**00222** GEOThERMAL RESOURCES IN CALIFORNIA. Koenig, J.B.; Div. Mines. Geol., Mineral Info. Serv.; 19: No. 6, 94-5(1966). CALIFORNIA;GEOThERMAL RESOURCES;MINERAL RESOURCES;GEYSERS GEOThERMAL FIELD;SALTON SEA;GEOThERMAL EXPLORATION;EXPLOITATION;ENVIRONMENTAL EFFECTS;CORROSIVE EFFECTS;SCALING;LEGAL ASPECTS;COST;ECONOMICS;HEARINGS;GEOThERMAL EXPLORATION;GOVERNMENT POLICIES;GEOThERMAL ENERGY

**00223** METHOD FOR PRODUCING A SOURCE OF ENERGY FROM AN OVERPRESSURED FORMATION. Hottman, C.E. (to Shell Oil Co.). US Patent 3,258,069. 28 Jun 1966. Filed date 7 Feb 1965. 6p. Patents. ENERGY SOURCES;GEOThERMAL ENERGY;GEOThERMAL RESOURCES;TECHNOLOGIES;RESOURCES;OIL SHALES;BORNEO;DESLALINATION;WATER;GEOThERMAL ENERGY;US;GULF OF MEXICO;ELECTRICITY;BOREHOLES;DISTILLATION;TEMPERATURE MEASUREMENT


**00225** NEW CALIFORNIA GEOThERMAL POWER REPORT. Calif. Div. Mines. Geol., Mineral Info. Serv.; 20: No. 4, 43-4(1967). Economics of geothermal research. CALIFORNIA;GEOThERMAL ENERGY;GEOThERMAL POWER PLANTS;RESEARCH PROGRAMS;ECONOMICS

**00226** TAPPING THE DEVIL'S CAULDRON. Union Seventy Six; 11: No. 7, 2-7(1967). History of steam development at Geysers, progress made by developing companies. GEYSERS GEOThERMAL FIELD;NATURAL STEAM;GEOThERMAL ENERGY

**00227** GEOThERMAL RESOURCES - FOUNDATION FOR A POTENTIALLY SIGNIFICANT NEW INDUSTRY IN CALIFORNIA. Sacramento; State of California Senate Permanent Fact-Finding Committee on Nat. Res., Pursuant to Senate Resolution No. 301, Reg. Session (1967). 66p. CALIFORNIA;GEOThERMAL EXPLORATION;GEOThERMAL RESOURCES;GEOThERMAL ENERGY

**00228** UNITED STATES AND WORLD RESOURCES OF ENERGY. McKeeley, V.E.; Duncan, D.C. Proc. 3rd Symp. Develop. Petrol. Res. Asia, Far East; 2: No. 26, 9-16(1967). USA;PETROLEUM;NATURAL GAS;OIL SHALES;NUCLEAR FUELS;GEOThERMAL RESOURCES;ENERGY RESERVES;USA;GEOThERMAL ENERGY;GEOThERMAL RESOURCES;PETROLEUM DEPOSITS;NATURAL GAS;OIL SHALES;URANIUM DEPOSITS;ECONOMICS

**00229** UNITED STATES AND WORLD RESOURCES OF ENERGY. McKeeley, V.E.; Duncan, D.C. Symposium on the development of petroleum resources of Asia and the Far East, 3rd, proceedings. Asia Far East; U. N., Econ. Comm. (1967). USA;GEOThERMAL ENERGY;GEOThERMAL RESOURCES;PETROLEUM DEPOSITS;NATURAL GAS;OIL SHALES;URANIUM DEPOSITS;ECONOMICS

**00230** NEW CALIFORNIA GEOThERMAL POWER REPORT. Gay, T.E.; Calif. Div. Mines Geol., Miner. Inform. Serv.; 20: No. 4, 43-4(1967). CALIFORNIA;GEOThERMAL RESOURCES;POWER POTENTIAL;ELECTRIC POWER;POWER GENERATION;ECONOMICS;GEOThERMAL ENERGY

**00231** SCIENTISTS IN HOT WATER. Summers, W.K. New Mexico Mag.; 46: No. 5, 17-19(1968). NEW MEXICO;THERMAL WATERS;SEDIMENTS;TEMPERATURE MEASUREMENT;HOT SPRINGS;GEOThERMAL WELLS

**00232** MINERAL POTENTIAL OF THE SUBMERGED PARTS OF THE US. McKeeley, V.E. Ocean Industr.; 3: No. 9, 37-42(1965). USA;GEOThERMAL RESOURCES;MINERAL RESOURCES;COASTAL WATERS


**00234** NEVADA'S GEOThERMAL RESOURCES. Schilling, J.H. NV Business Rev.; 3-5(Aug 1968). NEVADA;GEOThERMAL RESOURCES;NATURAL STEAM;POWER GENERATION;LEGAL ASPECTS

**00235** OUR HOTTEST TREASURE HUNT YIELDS CHEAP POWER FROM UNDERGROUND STEAM. Holden, W.M. Pop. Sci.; 193: 82-5(Nov 1968). From Power from the Earth: Geothermal Energy (Bibliography), p. 9. USA;GEOThERMAL RESOURCES;GEOThERMAL ENERGY;POWER POTENTIAL;NATURAL STEAM


SURVEYS; GEOLOGIC FAULTS; UTAH; NEW MEXICO; IGNEOUS ROCKS; HOT SPRINGS; USA; GEOTHERMAL RESOURCES


00246 APPLICATION OF MATERIAL AND ENERGY BALANCES TO GEOTHERMAL STEAM PRODUCTION. Whiting, R.L. (A and M Univ., TX). J. Petrol. Technol.: 21: No. 7, 959-960(Jul 1969). GEOTHERMAL ENERGY; ELECTRIC POWER; GEOTHERMAL FLUIDS; GEOCHEMISTRY; RECOVERY; POWER POTENTIAL; NEW ZEALAND; GEOTHERMAL FIELDS; FORECASTING; GEOTHERMAL WELLS; PRODUCTION; PERFORMANCE; NUMERICAL SOLUTION; RESERVES; MANAGEMENT; MATERIAL BALANCE.

00247 ATTEMPTED EVALUATION OF GEOTHERMAL ENERGY IN JAPAN. Noguchi, T. (Dept. of Mining, Faculty of Engineering, Kyushu Univ., Fukuoka, Japan). Geothermics: No. 2, 474-7(1970). STEAM energy in magma chambers. GEOTHERMAL ENERGY; JAPAN; MAGMA; STEAM; FORECASTING; ROCKS; ECONOMICS; AVAILABILITY; GEOTHERMAL RESOURCES.


GEOTHERMAL ENERGY; GEOTHERMAL FIELDS; HEAT FLOW; HOT-WATER SYSTEMS; NATURAL STEAM; ENERGY YIELD; POWER POTENTIAL; ELECTRIC POWER; FORECASTING; POWER GENERATION; HEAT TRANSFER; STEAM; JAPAN; GEOTHERMAL RESOURCES; COMPARATIVE EVALUATIONS; HOT SPRINGS; EARTHQUAKES.

00249 GEOTHERMAL POSSIBILITIES OF ALGERIA. Cormy, G.; D'Archimbaud, J.D. (EURAFREP, Paris, France). Geothermics: No. 2, 110-6(1970). ALGERIA; GEOTHERMAL ENERGY; GEOTHERMAL FIELDS; MAGMA; IGNEOUS ROCKS; GEOLOGY; GEOPHYSICAL SURVEYS; HYDROLOGY; GEOPHYSICAL SURVEYS; GEOTHERMAL RESOURCES.

00250 GEOTHERMAL EXPLORATION IN THE WESTERN UNITED STATES. Koenig, J.B. (California Div. of Mines and Geol., Ferry Building, San Francisco, CA). Geothermics: No. 2, 1-13(1970). 1200 thermal localities, 100 hyperthermal. USA; GEOTHERMAL EXPLORATION; GEOPHYSICAL SURVEYS; JAPAN; GEOTHERMAL RESOURCES; DRILLING; GEOLOGY; CALIFORNIA; NEVADA; WYOMING; BRINES; HOT-WATER SYSTEMS; DRY-STEAM SYSTEMS; GEOTHERMAL RESOURCES; SPACE HEATING; ELECTRIC POWER; HOT SPRINGS; FUMAROLES.

00251 APPLICATION OF ELECTRICAL RESISTIVITY AND GRAVIMETRY IN DEEP GEOTHERMAL EXPLORATION. Meidav, T. (Inst. of Geophysics and Planetary Physics, Univ. of CA, Riverside, CA). Geothermics: No. 2, 303-10(1970). IMPERIAL VALLEY, ELECTRIC CONDUCTIVITY; GEOTHERMAL EXPLORATION; GEOPHYSICAL SURVEYS; ELECTRICAL SURVEYS; GRAVIMETRY; TEMPERATURE GRADIENTS; IMPERIAL VALLEY; CALIFORNIA; GEOTHERMAL RESOURCES; GEOTHERMAL FIELDS.

00252 DELINEATION OF GEOTHERMAL DEPOSITS BY MEANS OF LONG-SPACING RESISTIVITY AND AIRBORNE MAGNETICS. McEuen, R.D. (Dept. of Geology, San Diego State Coll., San Diego, CA). Geothermics: No. 2, 295-302(1970). IMPERIAL VALLEY; CALIFORNIA; CLOSED-LOOP SYSTEMS; IMPERIAL VALLEY; IMPERIAL VALLEY; CALIFORNIA; HOT SPRINGS; ELECTRICAL SURVEYS; MAGNETIC SURVEYS; ELECTRIC CONDUCTIVITY; TEMPERATURE GRADIENTS; GEOTHERMAL RESOURCES; GEOTHERMAL FIELDS.


From Power from the Earth: Geothermal Energy (Bibliography), p. 4.

USA; GEOTHERMAL RESOURCES; GEOTHERMAL ENERGY; POWER POTENTIAL


IMPERIAL VALLEY; SALTON SEA; CALIFORNIA; HEARINGS; GEOTHERMAL ENERGY; GEOTHERMAL RESOURCES


IMPERIAL VALLEY; GEOTHERMAL RESOURCES; DESALINATION; POWER GENERATION; BRINES; ECONOMICS; USES; SALTON SEA; GEOTHERMAL ENERGY; ELECTRIC POWER


CALIFORNIA; GEOTHERMAL RESOURCES; MINERALS; GEOLOGY; PETROLEUM; REVIEWS


From Power from the Earth: Geothermal Energy (Bibliography), p. 6.

USA; POWER DEMAND; ELECTRIC POWER; GEOTHERMAL RESOURCES; POWER POTENTIAL


GEYSERS GEOTHERMAL FIELD; GEOTHERMAL SYSTEMS; IMPERIAL VALLEY: GEOTHERMAL RESOURCES; EXPLOITATION; MEETINGS


From Power from the Earth: Geothermal Energy (Bibliography), p. 16.

CALIFORNIA; IMPERIAL VALLEY; GEOTHERMAL POWER PLANTS; GEOTHERMAL RESOURCES; EXPLOITATION; ELECTRIC POWER; POWER GENERATION; POWER POTENTIAL; GEOTHERMAL FIELDS

00262 GEOTHERMAL RESOURCES. Imperial Valley Development Agency Economic and Business News; (Sep 1970).

From Power from the Earth: Geothermal Energy (Bibliography), p. 17.

CALIFORNIA; GEOTHERMAL RESOURCES; GEOTHERMAL ENERGY; ECONOMICS; POWER POTENTIAL

00263 OUR UNTAPPED RESERVES ENDING THE ENERGY CRISIS. Wold, J.S. Detroit News; (13 Sep 1970).

From Power from the Earth: Geothermal Energy (Bibliography), p. 9.

USA; GEOTHERMAL RESOURCES; EXPLOITATION; POWER DEMAND; POWER POTENTIAL

00264 GEOTHERMAL ENERGY: SUMMARY OF CURRENT STATUS AND FUTURE US POTENTIAL. Feiss, J.W.
EXPLOITATION

From Power from the Earth: Geothermal Energy (Bibliography), p. 21.
WASHINGTON; GEOTHERMAL RESOURCES

00277 PROMISING GEOTHERMAL LANDS LISTED. Calif. Geol.; 24: 114 (Jun 1971).
CALIFORNIA; GEOTHERMAL FIELDS; GEOTHERMAL RESOURCES

USA; ENERGY POLICY; ENVIRONMENT; ENERGY SUPPLIES; EARTH ATMOSPHERE; AIR POLLUTION; SULFUR OXIDES; COAL; RESEARCH PROGRAMS; THERMONUCLEAR REACTORS; NUCLEAR POWER PLANTS; MID GENERATORS; POWER TRANSMISSION LINES; FOSSIL FUELS; GEOTHERMAL ENERGY; NUCLEAR FUELS; ENERGY CONSERVATION; ELECTRIC POWER; POWER PLANTS; SITE SELECTION; RESEARCH PROGRAMS; LAND LEASING

IMPERIAL VALLEY; GEOTHERMAL RESOURCES; GEOTHERMAL ENERGY; RESEARCH PROGRAMS; BRINES; PROCESSING; ECONOMICS; MARKET; PLANNING; ELECTRIC POWER; POWER GENERATION; ENVIRONMENTAL EFFECTS; POLLUTION; GEOTHERMAL POWER PLANTS

GEOTHERMAL ENERGY; GEOLOGY; GEOTHERMAL EXPLORATION; USA; GEOTHERMAL RESOURCES; BIBLIOGRAPHIES

GEOTHERMAL RESOURCES; CALIFORNIA; ECONOMICS; POWER POTENTIAL; GEYSERS; GEOTHERMAL FIELD; GEOTHERMAL POWER PLANTS; THERMAL WATERS; DRY-STEAM SYSTEMS; ENVIRONMENTAL EFFECTS; GROUND SUBSIDENCE; BLEOWOUTS; SEISMIC WAVES; AIR POLLUTION; GASEOUS WASTES

From Power from the Earth: Geothermal Energy (Bibliography), p. 25.
USA; GEOTHERMAL RESOURCES; POWER POTENTIAL

From Geothermal Resources Council El Centro Conference; Davis, CA (16-18 Feb 1972).
USA; GEOTHERMAL RESOURCES; THERMAL WATERS; POWER POTENTIAL; GEOLOGY; HYDROLOGY; GROUND WATER; GEOLoGIC FAULTS; HOT SPRINGS; GEOTHERMAL EXPLORATION; REVIEWS

00284 OVERVIEW OF GEOTHERMAL RESOURCES

From Geothermal Resources Council El Centro Conference; Davis, CA (16-18 Feb 1972).
ARIZONA; GEOTHERMAL RESOURCES; THERMAL WATERS; GEOTHERMAL ENERGY

From Geothermal Resources Council El Centro Conference; Davis, CA (16-18 Feb 1972). 32,000 mw power capacity (1970). CALIFORNIA; GEOTHERMAL RESOURCES; GEYSERS; GEOTHERMAL FIELD; GEOTHERMAL POWER PLANTS; PLANNING; GEOTHERMAL ENERGY; ELECTRIC POWER; POWER GENERATION; HOT SPRINGS; GEYSERS; THERMAL WATERS; LEGISLATION; POWER POTENTIAL

From Geothermal Resources Council El Centro Conference; Davis, CA (16-18 Feb 1972).
IMPERIAL VALLEY; GEOTHERMAL RESOURCES; THERMAL WATERS; THERMAL RESOURCES; GEOTHERMAL EXPLORATION; THERMAL RESOURCES SURVEYS; HEAT FLOW; WATER RESOURCES; DESALINATION; BRINES; INJECTION WELLS; SEAWATER; GEOTHERMAL POWER PLANTS; ELECTRIC POWER; POWER DEMAND; PLANNING; GROUND SUBSIDENCE; GEOTHERMAL EXPLORATION

From Geothermal Resources Council El Centro Conference; Davis, CA (16-18 Feb 1972).
HAWAII; GEOTHERMAL RESOURCES; GEOLOGY; THERMAL WATERS; GEOTHERMAL ENERGY; ELECTRIC POWER; GEOTHERMAL EXPLORATION; VOLCANOES; OFFSHORE SITES

From Geothermal Resources Council El Centro Conference; Davis, CA (16-18 Feb 1972).
IDAHO; GEOTHERMAL RESOURCES; HOT-WATER SYSTEMS; GEOTHERMAL EXPLORATION; THERMAL WATERS; HYDROLOGY; GEOLOGY; GEOPHYSICAL SURVEYS

From Geothermal Resources Council El Centro Conference; Davis, CA (16-18 Feb 1972).
MONTANA; GEOTHERMAL RESOURCES; HOT SPRINGS; THERMAL WATERS; HYDROLOGY; GEOLOGY; GEOTHERMAL RESOURCES; GEOTHERMAL FIELDS

00290 OVERVIEW OF GEOTHERMAL RESOURCES

From Geothermal Resources Council El Centro Conference; Davis, CA (16-18 Feb 1972). Water temperature greater than 350°F. NEVADA; GEOTHERMAL EXPLORATION; THERMAL WATERS; ELECTRIC POWER; GEOTHERMAL WELLS; HYDROLOGY; GEOLOGY; GEOPHYSICAL SURVEYS; DRILLING; LAND LEASING


From Geothermal Resources Council El Centro Conference; Davis, CA (16-18 Feb 1972). OREGON; GEOTHERMAL RESOURCES; HOT SPRINGS; THERMAL WATERS; SPACHeATING; GEOTHERMAL ENERGY; HEATING; GEOTHERMAL EXPLORATION; GEOLOGY; HYDROLOGY


From Geothermal Resources Council El Centro Conference; Davis, CA (16-18 Feb 1972). CRATER SPRINGS geothermal area, Roosevelt geothermal area, 18°F thermal water. UTAH; GEOTHERMAL RESOURCES; HOT SPRINGS; THERMAL WATERS; FLOW RATE; GEOLOGY; GEOTHERMAL EXPLORATION; HYDROLOGY


From Geothermal Resources Council El Centro Conference; Davis, CA (16-18 Feb 1972). GEOTHERMAL RESOURCES; ELECTRIC POWER; HOT SPRINGS; THERMAL WATERS; GEOTHERMAL ENERGY; ELECTRIC POWER; HOT SPRINGS; THERMAL WATERS; GEOTHERMAL EXPLORATION; THERMAL WATERS; GEOLoGIC DEPOSITS; ENERGY DEMAND; POWER DEMAND; GEOLoGIC FAULTS


From Geothermal Resources Council El Centro Conference; Davis, CA (16-18 Feb 1972). WYOMING; GEOTHERMAL RESOURCES; THERMAL WATERS; HOT SPRINGS; CHEMICAL COMPOSITION; LEGISLATION; GEOTHERMAL ENERGY; GEOTHERMAL EXPLORATION; ELECTRIC POWER; ECONOMICS; GEOLOGY; POWER DEMAND


GEOTHERMAL ENERGY; BIBLIOGRAPHIES; RESEARCH PROGRAMS; USA; REGULATIONS


From 3. Interamerican Conference on Materials Technology; Rio de Janeiro, Brazil (14-17 Aug 1972). GEOTHERMAL ENERGY; MEXICO; GEOTHERMAL EXPLORATION; GEOTHERMAL POWER PLANTS; CERRO PRIETO GEOTHERMAL FIELD


GEOTHERMAL RESOURCES; USA; CALIFORNIA; MEETINGS; PROCEEDINGS


USA; ENERGY SOURCES; ENERGY RESERVES; IMAGES; FOSSIL FUELS; NUCLEAR FUELS; GEOTHERMAL RESOURCES


From American Institute of Chemical Engineers meeting; Dallas (Jan 1972). From Power from the Earth: Geothermal Energy (Bibliography), p. 2.

USA; GEOTHERMAL RESOURCES; GEOTHERMAL ENERGY


USA; CALIFORNIA; GEOTHERMAL RESOURCES; ENVIRONMENTAL EFFECTS; LEGAL ASPECTS; GEOTHERMAL ENERGY; MEETINGS


From 3. Interamerican Conference on Materials Technology; Rio de Janeiro, Brazil (14-17 Aug 1972). GEOTHERMAL ENERGY; MEXICO; GEOTHERMAL EXPLORATION; GEOTHERMAL POWER PLANTS; CERRO PRIETO GEOTHERMAL FIELD

00303 GEOTHERMAL ENERGY: NATIONAL PROPOSAL FOR GEOTHERMAL RESOURCES RESEARCH. Hickel, W.J. College; USA; Univ. Alaska (1972).

96p.

From Geothermal Resources Research Conference; Battelle Seattle Research Center, Seattle, WA (16-20 Sep 1972). USA; GEOTHERMAL ENERGY; RESEARCH PROGRAMS; PLANNING; RECOMMENDATIONS; GEOTHERMAL RESOURCES; EXPLOITATION; GEOTHERMAL EXPLORATION; ECONOMICS;
GEOTHERMAL ENERGY

ENVIRONMENTAL EFFECTS

00304 GEOTHERMAL RESOURCES AS A SOURCE OF WATER SUPPLY. O'Brien, J.J. J. Amer. Water Works Ass.; 64: No. 11, 694-700(1972). USA; WATER RESOURCES; GEOTHERMAL RESOURCES; BRINES;GEOTHERMAL ENERGY;ECONOMICS;USES

00305 ENERGY OPTIONS: CHALLENGE FOR THE FUTURE. Hammond, A.L. Science; 177: No. 4052, 825-6(1972). USA; MINERAL RESOURCES; ENERGY SUPPLIES; ENERGY RESERVES;ECONOMICS;PLANNING;PETROCHEMICALS; GEOTHERMAL ENERGY; SOLAR ENERGY; COAL; NATURAL GAS; PETROLEUM DEPOSITS; GEOTHERMAL RESOURCES


00307 GEOTHERMAL DEVELOPMENT IN CALIFORNIA; PAST, PRESENT, AND FUTURE. Anderson, D.N. Calif. Div. Oil Gas, Summ. Oper., Calif. Oil Fields; 59: No. 2, 15-23(1972). CALIFORNIA; GEOTHERMAL ENERGY; POWER GENERATION; POWER POTENTIAL; PLANNING; ECONOMICS

00308 RESUME OF OIL, GAS, AND GEOTHERMAL FIELD OPERATIONS IN 1971. (California Div. of Oil and Gas). Calif. Geol.; 25: No. 12, 271-80(1972). CALIFORNIA; GEOTHERMAL FIELDS; ECONOMICS; OPERATION; PETROLEUM; NATURAL GAS


00311 GEOTHERMAL EXPLORATION IN REGION 3. In geothermal overviews of the western United States. Davis, CA; USA; GEOTHERMAL RESOUR. Counc. (1972). 9p. CALIFORNIA; IMPERIAL VALLEY; GEOTHERMAL EXPLORATION; GEOTHERMAL RESOURCES; GROUND WATER

00312 GEOTHERMAL PROSPECTS IN NEW MEXICO. Summers, W.K. In geothermal overviews of the western United States. Davis, CA; USA; Geothermal Resour. Counc. (1972). 15p. NEW MEXICO; GEOTHERMAL RESOURCES; GEOTHERMAL EXPLORATION

00313 HAWAI'I OVERVIEW: PARTIAL PRESENTATION ON THE GEOTHERMAL RESOURCE EXPLORATION AND DEVELOPMENT POTENTIAL OF THE STATE OF HAWAI'I. Herrenstein, H. In geothermal overviews of the western United States. Davis, CA; USA; GEOTHERMAL RESOUR. Counc. (1972). 10p. HAWAI'I; GEOTHERMAL RESOURCES; GEOTHERMAL EXPLORATION

00314 GEOTHERMAL RESOURCES OF COLORADO; SUMMARY. Pearl, R.H. In geothermal overviews of the western United States. Davis, CA; USA; GEOTHERMAL Resour. Counc. (1972). 6p. COLORADO; GEOTHERMAL RESOURCES; GEOTHERMAL EXPLORATION


00316 SALTON-MEXICALI GEOTHERMAL PROVINCE. Koenig, J.B. pp 240-9 of Man and his physical environment; readings in environmental geology. Minneapolis, MN: Burgess Publ. Co. (1972). CALIFORNIA; MEXICO; GEOTHERMAL RESOURCES; SALTON SEA; RESERVES

00317 BRIEFS ON GEOTHERMAL ENERGY. (US Geol. Surv.) pp 232-4 of Man and his physical environment; readings in environmental geology. Minneapolis, MN: Burgess Publ. Co. (1972). USA; GEOTHERMAL RESOURCES; ENVIRONMENT; RESERVES; GEOLOGY


00320 MONO LAKE GEOTHERMAL WELLS ABANDONED. Axtell, L.H. Calif. Geol.; 25: No. 3, 66-7(1972). CALIFORNIA; GEOTHERMAL EXPLORATION; GEOPHYSICAL SURVEYS; WELL LOGGING; BOREHOLES; GEOTHERMAL FIELDS

00321 GEOTHERMAL RESOURCE INVESTIGATIONS, IMPERIAL VALLEY, CA, DEVELOPMENTAL CONCEPTS. Washington, DC: Bureau of Reclamation (Jan 1972). 58p. Water quality improvement by transport of desalted water from Imperial Valley. CALIFORNIA; GEOTHERMAL RESOURCES; IMPERIAL VALLEY; COLORADO RIVER; SALINITY; THERMAL WATERS; BRINES; DECARBONIZATION; GEOTHERMAL POWER PLANTS; ELECTRIC POWER; PRODUCTION; FRESH WATER; ECONOMICS; GEOTHERMAL FIELDS; WATER RESOURCES; PLANNING; SALTON SEA; INJECTION WELLS; POWER GENERATION

00322 LASSEN NATIONAL PARK; INDUSTRIAL PARK OUT OF A NATIONAL PARK. Watson, S. Bonanza INDUSTRY; ENVIRONMENTAL EFFECTS; GEOTHERMAL POWER; PRODUCTION; FRESH WATER; ECONOMICS; USES; PETROLEUM DEPOSITS; GEOTHERMAL RESOURCES

00323 ENERGY RESOURCES AND ELECTRIC POWER SITUATION IN THE UNITED STATES. Altman, M.; Telkes, M.; Wolf, M. (Univ. Pennsylvania, Philadelphia). Energy Converus.; 12: No. 2, 53-64 (Jun 1972). USA; ENERGY RESERVES; GEOTHERMAL ENERGY; EXPLOITATION; ELECTRIC POWER; POWER GENERATION; ENERGY SOURCES; POLLUTION; SOLAR ENERGY; ENERGY CONSUMPTION; SOLAR SPACE HEATING; SOLAR AIR CONDITIONING

00324 ENERGY CRISIS: ARE WE RUNNING OUT. Time Magazine; 49-50 (12 Jun 1972). From Power from the Earth: Geothermal Energy (Bibliography); p. 3. Includes LASL hot-dry-rock project. USA;
GEOTHERMAL RESOURCES; HOT-DRY-ROCK SYSTEMS; GEOTHERMAL ENERGY; ENERGY SHORTAGES

00325 POWER GENERATION OPTIONS FOR THE EIGHTIES AND NINETIES. Kent, M.F. (General Electric Co., Power Generation Group). Publ. Util. Fortn.; 90: No. 4, 17-23 (17 Aug 1972). ELECTRIC POWER; USA; POWER DEMAND; ENERGY SOURCES; POWER PLANTS; THERMONUCLEAR REACTORS; SOLAR ENERGY; GEOTHERMAL POWER PLANTS; NUCLEAR POWER PLANTS; TURBINES; FUELS; POWER GENERATION; ECONOMICS; FORECASTING; GEOTHERMAL ENERGY

00326 ASSESSMENT OF GEOTHERMAL ENERGY RESOURCES. Peck, D.L. Washington, DC; USA. US Dept. Interior, Panel on Geothermal Energy Resources (Federal Science and Technology, Committee on Energy Research and Development Goals, Executive office of the President, Office of Science and Technology) (Sep 1972). 836. USA; GEOTHERMAL RESOURCES; ECONOMICS; ENVIRONMENTAL EFFECTS; LEGAL ASPECTS; GEOTHERMAL EXPLORATION

00327 GEOTHERMAL ENERGY, AN EMERGING MAJOR RESOURCE. Hammond, A.L. Science; 177: No. 4053, 978-982 (1 Dec 1972). GEOTHERMAL ENERGY; GEOTHERMAL RESOURCES; GEOTHERMAL POWER PLANTS; USA; ELECTRIC POWER; ECONOMICS; THERMAL WATERS; GEOLOGIC DEPOSITS; GEOTHERMAL ELECTRICITY; NUCLEAR EXPLOSIONS; GEYSERS; REVIEWS; DRY-STEAM SYSTEMS; EXPLOSIVE STIMULATION; HOT-WATER SYSTEMS; HOT-DRY-ROCK SYSTEMS; POWER POTENTIAL; POWER GENERATION

00328 GEOTHERMAL ENERGY: AN EMERGING MAJOR RESOURCE. Science; 177: 978-80 (15 Sep 1972). GEOTHERMAL ENERGY; GEOTHERMAL RESOURCES; REVIEWS; GEOTHERMAL POWER PLANTS; RESEARCH PROGRAMS; HOT-DRY-ROCK SYSTEMS; BINARY CYCLES; USA

00329 SEARCH FOR TOMORROW'S POWER. Weaver, K.F. (National Geographic). National Geographic; 142: No. 5, 650-81 (Nov 1972). USA; ENERGY SUPPLIES; POWER GENERATION; TURBOGENERATORS; ENERGY CONVERSION; POLLUTION; FOSSIL FUELS; MINING; NUCLEAR FUELS; NUCLEAR POWER PLANTS; THERMNUCLEAR REACTORS; FUEL CELLS; TIDAL POWER; WIND POWER; GEOTHERMAL ENERGY; SOLAR ENERGY; ENERGY SOURCES

00330 GEOTHERMAL WATER AND POWER RESOURCE EXPLORATION AND DEVELOPMENT FOR IDAHO. Nichols, C.R.; Brockway, C.E.; Warnick, C.C. Water Resources Research Institute. Technical Report. Boise, ID; Boise State College, Dept. Geology (Dec 1972). 48p. IDAHO; GEOTHERMAL RESOURCES; THERMAL WATERS; USA; GEOCHEMICAL SURVEYS; BRINES; HOUSES; GREENHOUSES; SPACE HEATING; GEOTHERMAL EXPLORATION; HEATING; GEOTHERMAL POWER PLANTS; GEOTHERMAL FIELDS

00331 ELECTRIC GENERATION STATUS REPORT. (Aware, Community Performance Publications, Inc.). Aware: No. 27, 3-9 (Dec 1972). ELECTRIC POWER; POWER GENERATION; ENERGY SOURCES; FOSSIL-FUEL POWER PLANTS; NUCLEAR POWER PLANTS; HYDROELECTRIC POWER; GEOTHERMAL ENERGY; SOLAR ENERGY

00332 ENERGY AVAILABLE - EXPANDING SUPPLIES. Perry, H. (US AEC). pp 40-5 of Proceedings of Outlook for Energy Conference held in Minneapolis, MN, Dec 1972. Minneapolis, MN; Upper Midwest Council, Federal Reserve Bank Bldg. (Dec 1972). From Outlook for Energy Conference; Minneapolis, MN (Dec 1972). ENERGY SUPPLIES; USA; FORECASTING; AIR POLLUTION; ENERGY POLICY; FOSSIL FUELS; COAL GASIFICATION; THERMONUCLEAR REACTIONS; GEOTHERMAL ENERGY; SOLAR ENERGY; RESEARCH PROGRAMS

00333 ANNUAL REVIEW OF FUELS FOR 1972. RESEARCH ON GASIFICATION OF COAL AND HYDROCARBON. Umata, T. (Sch. Sci. Eng., Waseda Univ., Tokyo, Japan), pp 55-67 of Geothermal energy. Kruger, P. (ed.). Stanford, CA; Stanford Univ. Press (1973). USA. ENERGY SOURCES; FOSSIL FUELS; HYDROELECTRIC POWER; NUCLEAR POWER; THERMONUCLEAR REACTIONS; GEOTHERMAL RESOURCES; ECONOMICS; USA; PROCEEDINGS; AVAILABILITY; SOLAR ENERGY; ENVIRONMENT; LEGAL ASPECTS; GEOTHERMAL ENERGY; ENERGY CONSUMPTION; ENERGY BALANCE; ENERGY DEMAND

00334 ASSESSMENT OF U.S. GEOTHERMAL RESOURCES. Rex, R.W.; Howell, D.J. (Univ. of California, Riverside), pp 56-57 of Geothermal energy. Kruger, P. (ed.). Stanford, CA; Stanford Univ. Press (1973). USA. GEOTHERMAL RESOURCES; ECONOMICS; PRODUCTION; AVAILABILITY; USA; GEOCHEMICAL SURVEYS; BRINES; HOUSES; GEYSERS; GEOTHERMAL FIELD; GEOTHERMAL EXPLORATION; GEOLOGICAL SURVEYS

00335 INTRODUCTION: THE ENERGY OUTLOOK. Utte, C.; Kruger, P. (Union Oil Co. of California, Los Angeles). pp 1-13 of Geothermal energy. Kruger, P. (ed.). Stanford, CA; Stanford Univ. Press (1973). USA. ENERGY SOURCES; FOSSIL FUELS; HYDROELECTRIC POWER; NUCLEAR POWER; THERMONUCLEAR REACTIONS; GEOTHERMAL RESOURCES; ECONOMICS; USA; PROCEEDINGS; AVAILABILITY; SOLAR ENERGY; ENVIRONMENT; LEGAL ASPECTS; GEOTHERMAL ENERGY; ENERGY CONSUMPTION; ENERGY BALANCE; ENERGY DEMAND

00336 GEOTHERMAL RESEARCH IN THE US GEOLOGICAL SURVEY. Muffler, L.J.P. Geophysics; 38: No. 1, 189-206 (1973). CALIFORNIA; GEOTHERMAL ENERGY; ECONOMICS; USA; GEYSERS GEOTHERMAL FIELD; GEOTHERMAL EXPLORATION; GEOLOGICAL SURVEYS

00337 WELL LOCATION MAP, MOHAVE COUNTY, ARIZONA; WELLS DRILLED FOR HYDROCARBON, HELIUM, AND GEOTHERMAL RESOURCES; STRATIGRAPHIC FORMATION AND SELECTED WELLS DRILLED FOR WATER. Koester, E.A.; Conley, J.W. Map (Scale 1: 500,000, Marginal text, tables). Phoenix; USA; Ariz. Oil Gas Conserv. Comm. (1973). GEOTHERMAL WELLS; HELIUM; WATER; MAPS; ARIZONA; PETROLEUM; NATURAL GAS; STRATIGRAPHY

00338 WELL LOCATION MAP, YAVAPAI COUNTY, ARIZONA; WELLS DRILLED FOR HYDROCARBON, HELIUM, AND GEOTHERMAL RESOURCES; STRATIGRAPHIC FORMATION AND SELECTED WELLS DRILLED FOR WATER. Koester, E.A.; Conley, J.W. Map (Scale 1: 500,000, Marginal text, tables). Phoenix; USA; Ariz. Oil Gas Conserv. Comm. (1973). GEOTHERMAL WELLS; MAPS; ARIZONA; PETROLEUM; NATURAL GAS; STRATIGRAPHY

00339 GEOTHERMAL ENERGY: LIMITS OF USE. Umschau; 73: No. 20, 636-7 (1973). (In German with English summary). GEOTHERMAL ENERGY; USES; GEOTHERMAL RESOURCES; ENERGY SUPPLIES

00340 UNITED STATES MINERAL RESOURCES. Brobst, D.A.; Pratt, W.P. (eds.). Geological Survey Professional Paper 820. Washington, DC; Geological Survey (1973). 729p. USA; GEOLOGY; ECONOMICS; USA; MINERAL RESOURCES; USA; GEOTHERMAL ENERGY; GOLD; GRAPHITE; HELIUM; IRON; LEAD; LIMESTONE; DOLomite; LITHIUM; CIS; RUBIDIUM; MANGANESE; MERCURY; MICA; MOLYBDENUM; NICKEL; NIobium; NUCLEAR FUELS; PETROLEUM; NATURAL GAS; OIL SHALE; PEAT; PHOSPHATE; PLATINUM; PALLADIUM; OSMium; IRIDIUM; RUTHENIUM; RHODIUM; RARE EARTHS; RHENIUM; SAND; SCANDIUM; SELENIUM; THALLIUM; TIN; TITANIUM; TUNGSTEN; VANADIUM; ZIRCONIUM; HAFNIUM; BIBLIOGRAPHIES; RESERVES
GEOTHERMAL ENERGY


00342 UTILIZATION OF GEOTHERMAL ENERGY. Eydel, A. Association of Pacific Coast Geographers, 35th annual meeting. Pacific Coast Geographers (1973).


00348 GEYSERS GEOTHERMAL FIELD; POWER POTENTIAL; GEOTHERMAL ENERGY.


00358 LUNCHEON SESSION, THURSDAY, 10 MAY 1973. Barnea, J. (Director of Resources and...

From National Conference on Geothermal Energy: Palm Springs, CA (10-11 May 1973). USA;GEOTHERMAL RESOURCES;ENERGY POLICY;FOSSIL FUELS;ECONOMICS;ENERGY CONSERVATION;GEOTHERMAL ENERGY;MEETINGS;LAND LEASING;ENVIRONMENTAL EFFECTS;EXPLOITATION


From National Conference on Geothermal Energy: Palm Springs, CA (10-11 May 1973). USA;GEOTHERMAL RESOURCES;ENERGY POLICY;FOSSIL FUELS;ECONOMICS;ENERGY CONSERVATION;GEOTHERMAL ENERGY;MEETINGS;LAND LEASING;ENVIRONMENTAL EFFECTS;EXPLOITATION


Potential source of electric power, heat, fresh water, and chemicals from geothermal resources. IMPERIAL VALLEY;GEOTHERMAL RESOURCES;SALTON SEA;GEOTHERMAL FLUIDS;GEOTHERMAL WELL;GEOTHERMAL EXPLORATION;BRINES;INORGANIC COMPOUNDS;RECOVERY;CERRO PRIETO GEOTHERMAL FIELD;CHEMICAL COMPOSITION;GRAVITY SURVEYS;GEOTHERMAL POWER PLANTS;POWER POTENTIAL;ELECTRIC POWER;FRESH WATER;PRODUCTION


USA;GEOTHERMAL RESOURCES;GEOTHERMAL POWER PLANTS;ELECTRIC POWER;POWER GENERATION;ICELAND;NEW ZEALAND;EL SALVADOR


ARIZONA;HOT SPRINGS;GEOTHERMAL ENERGY;POWER POTENTIAL;GEOCHEMISTRY;THERMAL WATERS;CHEMICAL COMPOSITION;THERMAL RSES;SODIUM;Boron;Silicon Oxides;ABUNDANCE;GEOTHERMAL METRY


GEOTHERMAL RESOURCES;NEVADA;EXPLORATION;GEOTHERMAL EXPLORATION;REVIEWS


GEOTHERMAL ENERGY;LASL;RESEARCH PROGRAMS;PRODUCTION;GEOTHERMAL RESOURCES;POWER GENERATION;GEOTHERMAL POWER PLANTS;ECONOMICS;PLANNING;DESIGN;POWER POTENTIAL


GEOTHERMAL RESOURCES;IMPERIAL VALLEY;DESALINATION;GROUND WATER;HEAT FLOW;THERMAL WATERS;GEOTHERMAL WELLS;BRINES;GEOTHERMAL POWER PLANTS;POWER POTENTIAL;COLORADO RIVER;WATER RESOURCES


GEOTHERMAL RESOURCES;WATER;COLORADO RIVER;IMPERIAL VALLEY;BRINES;GEOTHERMAL FLUIDS;FRESH WATER;POWER GENERATION;WATER RESOURCES


GEOTHERMAL RESOURCES;ENVIRONMENT;WASHINGTON;USA;GEOTHERMAL EXPLORATION


From 9th Biennial Conference on Ground Water; Francisco Torres Conference Center, Goleta, CA (13-14 Sep 1973).

WATER RESOURCES;WATER RESERVOIRS;ECONOMICS;QUALITY CONTROL;THERMAL WATERS;DESALINATION;GEOTHERMAL RESOURCES;GROUND WATER;USA


DRILLING;GEYSERS;THERMAL WATERS;GEOCHEMISTRY;ENERGY SHORTAGES;ENERGY RESERVES;GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY;GEOTHERMAL EXPLORATION

00372 THE POTENTIAL FOR ENERGY PRODUCTION FROM GEOTHERMAL RESOURCES. REPORT OF THE SUBCOMMITTEE ON WATER AND POWER RESOURCES, COMMITTEE ON INTERIOR AND INSULAR AFFAIRS. Washington, DC; USA; Committee on Interior and Insular Affairs (Dec 1973). 40p. GPO $9.50.

GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES;ECONOMICS;FINANCING;DRY-STEAM SYSTEMS;HOT-WATER SYSTEMS;HOT-DRY-ROCK SYSTEMS;GEOEXPRESSED SYSTEMS;GOVERNMENT POLICIES


From Topical conference on energy; Chicago, Illinois, USA (4 Feb 1974).
See CONF-740201-

GEOTHERMAL ENERGY;ROCK DRILLING;GEOPHYSICAL SURVEYS;GEOCHEMICAL SURVEYS;REVIEWS;DRY-STEAM SYSTEMS;HOT-DRY-ROCK SYSTEMS;MAGMA;LAVA

00374 GEOTHERMAL RESOURCES. PARTS I AND II. HEARINGS BEFORE THE SUBCOMMITTEE ON WATER AND POWER RESOURCES OF THE COMMITTEE ON INTERIOR AND INSULAR AFFAIRS, UNITED STATES SENATE, NINETY-THIRD CONGRESS, FIRST SESSION. Washington, DC; USA; Committee on Interior and Insular Affairs (1974). 771p.

GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES;ELECTRIC POWER;HEATING;GOVERNMENT POLICIES;


00379 MINERAL PRODUCTION IN CALIFORNIA. Davis, F.F.; Evans, J.R. (California Geology: 27: No. 6, 128-134(1974)). CALIFORNIA;MINERAL RESOURCES;PRODUCTION;GEOTHERMAL ENERGY;ENERGY SOURCES;METALS;PETROLEUM;NATURAL GAS;ECONOMICS

00380 GEOTHERMAL POTENTIALS IN SOUTH DAKOTA. Schoon, R.A.; McGregor, D.J. (South Dakota Geol. Surv.; No. 110. 76p.(1974)). SOUTH DAKOTA;GEOTHERMAL RESOURCES;GEOTHERMAL GRADIENTS;HEAT FLOW;EXPLOITATION

00381 U. S. ENERGY RESOURCES: LIMITS AND FUTURE OUTLOOK. Cheney, E.S. Amer. Sci.; 62: No. 1, 14-22(1974). USA;GEOTHERMAL RESOURCES;PLANNING;FORECASTING;NATURAL GAS;PETROLEUM;ENERGY SOURCES;COAL

00382 OVERVIEW OF GEOTHERMAL ENERGY DEVELOPMENTS. Otte, C. Amer. Ass. Petrol. Geol. Bull.; 58: No. 5, 910(1974). USA;GEOTHERMAL ENERGY;REVIEWS;PLANNING;GEYSERS GEOTHERMAL FIELDS;CALIFORNIA;GEOTHERMAL RESOURCES

00383 ORE BIN. Dewees, R.W. Ore Bin; No. 3, 33-47(1974). ORES;GEOLGIC DEPOSITS;GEOTHERMAL RESOURCES


00385 ENERGY IN THE STATE OF WASHINGTON. Hinman, G. Wash., Energy Policy Counc. Seattle, Wash.; USA; Wash., Energy Policy Counc. (1974). ENERGY;POWER POTENTIAL;GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION;WASHINGTONTGEOTHERMAL SOURCES;ECONOMICS;URANIUM;PETROLEUM;COAL;NATURAL GAS;GEOTHERMAL RESOURCES

00386 GEOTHERMAL POTENTIALS IN SOUTH DAKOTA. Schoon, R.A.; McGregor, D.J. S.D. Geol. Surv., Rep. Invest.; No. 110, 76(1974). SOUTH DAKOTA;GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY;COAL;NATURAL GAS;GEOTHERMAL RESOURCES;ENERGY SOURCES;ECONOMICS;EXPLOITATION


00390 GEOTHERMAL ENERGY AND WESTERN UTILITIES. Barnes, J. Geotherm. Energy Mag.; 2: No. 8, 35-45(1974). USA;GEOTHERMAL ENERGY;ELECTRIC POWER;USES;AVAILABILITY;GEOTHERMAL RESOURCES;EXPLOITATION;POWER GENERATION

00391 PROJECT INDEPENDENCE BLUEPRINT: FINAL TASK FORCE REPORT. GEOTHERMAL ENERGY. Washington, DC; USA; Federal Energy Administration (1974). vp. GPO $2.00, Stock Number 4118-00011. GEOTHERMAL ENERGY;AVAILABILITY;PROJECT INDEPENDENCE;PLANNING;ENERGY POLICY;ECONOMIC POLICY;PRODUCTION;FORECASTING;ECONOMICS

00392 GEOTHERMAL RESOURCES OF CULORADO. Pearl, R.H. (Colorado Geological Survey, Denver). Geotherm. Energy Mag.; 2: No. 1, 18-20(Jan 1974). GEOTHERMAL ENERGY;COLORADO;ENERGY SOURCES;GEOGRAPHY;GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION

00393 LAWRENCE LIVERMORE LABORATORY. Geotherm. Energy Mag.; 2: No. 1, 26-31(Jan 1974). GEOTHERMAL ENERGY;GEOTHERMAL EXPLORATION;POWER POTENTIAL;ENERGY SOURCES;RESEARCH PROGRAMS;LAWRENCE LIVERMORE LABORATORY;ELECTRIC POWER;TURBINES;BRINES;EFFICIENCY;HEATING;STEAM;MIIXTURES;GEOTHERMAL RESOURCES

00412 WORLD ENERGY SUPPLY CONFERENCE - 1973 ENDS CHEAP ENERGY ERA. Energy Dig. 2: No. 6, 15-22 (Nov-Dec 1973).


00414 Icelands: Geothermal Explorations; Magnetic Surveys; Gravity Surveys; Temperature Measurement; Geochemical Surveys; Geological Surveys; Geophysical Surveys.


00417 Decisive Italian Contribution to the Exploration (in Italy) of Thermal Waters. Carlevaro, E. Geofis. Pura Appl.; 4: No. 1, 5-14 (1942).


00434 Research Programs; Petroleum; Coal; Reserves; Coal Gasification; Nuclear Liquefaction; Coal Liquefaction; Nuclear Power; Oil Shales; Availability; Transportation Systems; Electric Power; Geothermal Energy; Hydrogen Fuels.


00439 Icelands: Geothermal Explorations; Magnetic Surveys; Gravity Surveys; Temperature Measurement; Geochemical Surveys; Geological Surveys; Geophysical Surveys.


00442 Decisive Italian Contribution to the Exploration (in Italy) of Thermal Waters. Carlevaro, E. Geofis. Pura Appl.; 4: No. 1, 5-14 (1942).


00449 Thermal Waters; Space Heating; New Zealand; Magnetic Surveys; Electrical Surveys; Geothermal Fields; Geologic Faults; Hot Springs; Igneous Rocks; Geological Surveys; Magma; Geophysical Surveys.


00435 NEW ZEALAND THERMAL AREA AND ITS HYDROTHERMAL RESOURCES; NATURAL STEAM; POWER GENERATION; GEOTHERMAL POWER PLANTS; LARDERELLO GEOTHERMAL FIELD; THERMAL WATER; BIBLIOGRAPHIES; ELECTRIC POWER; GEOTHERMAL ENERGY.


00437 WAIKAREI GEOTHERMAL FIELD; POWER POTENTIAL; ELECTRIC POWER; NEW ZEALAND; GEOTHERMAL EXPLORATION.


DISTRICT HEATING; SPACE HEATING; EXPLOITATION; GEOTHERMAL ENERGY; AGRICULTURE; DESALINATION


AFRICAN HOT SPRINGS; HELIUM; SALINITY: FLOW RATE; VOLCANIC REGIONS; NATURAL STEAM; EXPLOITATION; THERMAL WATERS; CHEMICAL COMPOSITION


WAIKAREI GEOTHERMAL FIELD; GEOTHERMAL POWER PLANTS; PLANNING; POWER GENERATION; ELECTRIC POWER; NEW ZEALAND


EL SALVADOR; GEOTHERMAL RESOURCES; GEOGRAPHICAL SURVEYS; DATA COMPILATION; BIBLIOGRAPHIES; ECONOMICS; MAPS; THERMAL WATERS; CHEMICAL COMPOSITION; EXPLOITATION; FUMAROLI


USSR; GEOTHERMAL RESOURCES; THERMAL WATERS; PAUZNETSK GEOTHERMAL FIELD; WELL DRILLING; CHEMICAL COMPOSITION; BOREHOLES; VOLCANIC REGIONS


FIJI; GEOTHERMAL RESOURCES; HOT SPRINGS; MAGMA; MAPS; ENERGY YIELD; CONNATE WATER; METEORIC WATER; HYDROLOGY; HEAT

00461 UTILIZATION OF GEOTHERMAL STEAM IN NEW ZEALAND. Vos, J. Ingenieur (Utrecht); 72: No. 29, 165-70(15 Jul 1960).

WAIKAREI GEOTHERMAL FIELD; GEOTHERMAL EXPLORATION; NEW ZEALAND; GEOTHERMAL POWER PLANTS; NATURAL STEAM; USES; PRODUCTION; GEOLOGICAL SURVEYS; WELL DRILLING

00462 HEAT OF THE EARTH'S INTERIOR. Dzhemalov, S.A. Priroda; No. 6, 74-6(1961).

USSR; GEOTHERMAL RESOURCES; THERMAL WATERS; COST; GEOTHERMAL ENERGY; BOREHOLES; USES


GEOTHERMAL RESOURCES; NATURAL STEAM; GEOTHERMAL POWER PLANTS; GEOTHERMAL ENERGY; USES; REVIEWS; OPERATION


USSR; THERMAL WATERS; SPACE HEATING; GEOLOGY; BOREHOLES


KAMCHATKA; GEYSERS; USSR


VOLCANIC REGIONS; GEOTHERMAL FIELDS; GEOTHERMAL ENERGY; EXPLOITATION; ELECTRIC POWER; POWER GENERATION; USSR; ITALY; ARTESIAN BASINS; GEOTHERMAL RESOURCES; VOLCANIC


USSR; THERMAL WATERS; GEOTHERMAL GRADIENTS; CHEMICAL COMPOSITION; MINERALS; ABUNDANCE; USES; POWER POTENTIAL; SPACE HEATING; GEOTHERMAL ENERGY


GEOTHERMAL ENERGY; EXPLOITATION; USES; THERMAL WATERS; NATURAL STEAM; INDUSTRIAL PLANTS


SURFACE MANIFESTATIONS AND POSSIBLE USES; GEOTHERMAL ENERGY; HOT SPRINGS; GEYSERS; VOLCANIC, VOLCANIC WATERS; USES; USSR; EXPLOITATION; THERMAL WATERS


USSR; THERMAL WATERS; ECONOMICS; USES; GEOTHERMAL RESOURCES


PAUZNETSK GEOTHERMAL FIELD; WELL DRILLING; CHEMICAL COMPOSITION; VOLCANIC REGIONS


GEOTHERMAL RESOURCES; HUNGARY; GEOTHERMAL RESOURCES; THERMAL WATERS; POWER POTENTIAL; GEOTHERMAL RESOURCES; USES; THERMAL WATERS; GEOCHEMICAL SURVEYS; BOREHOLES; CHEMICAL COMPOSITION; COST; ELECTRIC POWER; NATURAL STEAM; GEOLOGICAL SURVEYS


PAUZNETSK GEOTHERMAL FIELD; WELL DRILLING; THERMALWATERS; POWER POTENTIAL; GEOTHERMAL POWER PLANTS; CHEMICAL SURVEYS; MAGNETIC SURVEYS; ELECTRICAL SURVEYS; GEOCHEMICAL SURVEYS; BOREHOLES; CHEMICAL COMPOSITION; COST; ELECTRIC POWER; NATURAL STEAM; GEOLOGICAL SURVEYS


USSR; HUNGARY; GEOTHERMAL RESOURCES; GEOTHERMAL EXPLORATION; THERMAL WATERS; POWER POTENTIAL


THERMAL WATERS; HUNGARY; TUFF; KAOLIN; VOLCANIC REGIONS; ORIGIN; HYDROTHERMAL ALTERATION


USSR; THERMAL WATERS; ECONOMICS; USES; VOLCANIC REGIONS; ORIGIN; HYDROTHERMAL ALTERATION


THERMAL WATERS; USES; USSR; BUILDINGS; SPACE HEATING; GEOTHERMAL ENERGY

00478 BOL'SHIE BANNYYE SPRINGS IN THE KAMCHATKA. Kononov, V.I.; Polyakov, B.G.


Showashizan, Unikobe, and Matsuoka areas, JAPAN; GEOTHERMAL RESOURCES; THERMAL SPINGS; GEOTHERMAL FIELDS; GEOLOGY; GEOTHERMAL EXPLORATION; MAPS


From UN Conference on New Sources of Energy Rome, Italy (1951).

ICELAND; GEOTHERMAL ENERGY; HEATING; INDUSTRY; USES; DRYING


NEW GUINEA; ISLANDS; GEOTHERMAL FIELDS; VOLCANCIES; NATURAL STEAM; THERMAL WATERS; HOT SPRINGS; GEOLOGY; GEOTHERMAL POWER PLANTS; POWER POTENTIAL; GEOTHERMAL RESOURCES; PLANNING


MEXICO; GEOTHERMAL FIELDS; GEOTHERMAL RESOURCES; THERMAL WATERS; NATURAL STEAM; GEOTHERMAL POWER PLANTS; ELECTRIC POWER; POWER GENERATION; PILOT PLANTS; GEOTHERMAL ENERGY; VOLCANIC REGIONS; GEOTHERMAL WELLS; DRILLING; CERRO PRIETO GEOTHERMAL FIELD; PATHE GEOTHERMAL FIELD


FRENCH; GEOTHERMAL RESOURCES; THERMAL SPRINGS, ISLANDS; COST


OTAKE; GEOTHERMAL FIELD; POWER GENERATION; GEOTHERMAL FLUIDS; GEOTHERMAL WELLS; FUMAROLES; THERMAL WATERS; HOT SPRINGS; FLASHING; HOT-WATER SYSTEMS


HUNGARY; GEOTHERMAL RESOURCES; HEAT FLOW; GEOLOGY


MADAGASCAR; MINERALS; HOT SPRINGS; EXPLOITATION; ORES; BUILDING MATERIALS; MINERAL RESOURCES


HUNGARY; THERMAL WATERS; EFFICIENCY; PRESSURE GRADIENTS; PROSPECTING

00495 GEOTHERMAL UTILIZATION. Hayakawa, M.
00516 THERMAL WATER POSSIBILITIES OF HUNGARY. Karacsényi, A.; Scheuer, J. Z. Angew. Geol.; 14: No. 6, 327-9(1968). HUNGARY;GEOTHERMAL RESOURCES;THERMAL WATERS;AQUIFERS;HEAT FLOW

00517 GEOTHERMAL ENERGY - THE WORLD'S MOST UNDERDEVELOPED RESOURCE. Driller; 42: No. 11, 24-9(1968). GEOTHERMAL ENERGY;THERMAL WATERS;GEOTHERMAL WELLS;HOT SPRINGS;GEOLGY;EXPLOITATION;USES;HEAT;GEOTHERMAL RESOURCES;BELGIUM


00519 THERMAL WATER POSSIBILITIES OF HUNGARY. Karacsényi, A.; Scheuer, J. Z. Angew. Geol.; 14: No. 6, 327-359(1968). HUNGARY;GEOTHERMAL RESOURCES;THERMAL WATERS;HYDROLOGY;GEOLGY;AQUIFERS

00520 STUDY FOR THE GEOTHERMAL DEVELOPMENT OF NORTHERN CHILE. Lansen A., A. Geochile; 1: No. 1, 33-36(1968). CHILE;GEOTHERMAL RESOURCES

00521 GEOTHERMAL ENERGY AND RESOURCES. Whiting, R.L. Oil Gas Compact Bull.; 27: No. 1, 1-2(1969). GEOTHERMAL RESOURCES;GEOTHERMAL EXPLOITATION;EXPLOITATION;LARDERELLO GEOTHERMAL FIELD;ITALY;NEW ZEALAND;GEOTHERMAL ENERGY


00526 ENERGY OF THERMAL WATERS. Shishkin, I.B. Priroda; No. 5, 95-103(1969). THERMAL WATERS;USSS;GEOTHERMAL ENERGY;USES


THAILAND;HOT SPRINGS;THERMAL WATERS


MEXICO;GEOTHERMAL RESOURCES

00539 WORLDWIDE GEOTHERMAL ENERGY AND ITS INDUSTRIAL UTILIZATION. Vie, G. Genie Civil: 146: No. 4, 222-6(Apr 1969).

357 MW total electric energy, 37 power plants. GEOTHERMAL RESOURCES;NORTH AMERICA;SOUTH AMERICA;ASIA;AFRICA;EUROPE;GEOTHERMAL POWER PLANTS;ITALY;CALIFORNIA;GEOTHERMAL ENERGY;POWER GENERATION;GEOTHERMAL RESOURCES;NEW ZEALAND


Exploration wells, up to 300°C. HOT-WATER SYSTEMS;GEOTHERMAL EXPLORATION;FORECASTING;GEOTHERMAL ENERGY;USES;ELECTRIC POWER;POWER GENERATION;GEOTHERMAL RESOURCES;HEAT EXCHANGERS;GEOTHERMAL POWER PLANTS;NEW ZEALAND


POLAND;THERMAL WATERS;USES;GEOTHERMAL RESOURCES;GROUND WATER;AVAILABILITY


Utilization, costs. ICELAND;EXPLORATION;GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES;ECONOMICS;USES;GEOTHERMAL EXPLORATION


GEOTHERMAL ENERGY;INFRARED SURVEYS;CHEMICAL SURVEYS;GEOLOGY;GEOTHERMAL FIELDS;GEOTHERMAL EXPLORATION;TEMPERATURE GRADIENTS;FRANCE;GEOTHERMAL RESOURCES;WEST INDIES


GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY;GEOLOGIC FAULTS;STRATIGRAPHY;MICROPALES;DRILLING;GEOLOGY;HOT SPRINGS;FUMAROL;BRECHOLE


Cerro Prieto area. GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION;MEXICO;HOT-WATER SYSTEMS;DRY-STEAM SYSTEMS;GEOLOGY;CHEMICAL SURVEYS;GEOPHYSICAL SURVEYS;HOT SPRINGS;FUMAROL;TECTONICS;MAPS;TEMPERATURE MEASUREMENT


TAIWAN;GEOPHYSICAL SURVEYS;VOLCANIC REGIONS;GEOTHERMAL EXPLORATION;MAGNETIC SURVEYS;ELECTRICAL SURVEYS;GEOLOGY;VOLCANOES;GEOTHERMAL RESOURCES;VOLCANIC ROCKS;ELECTRIC CONDUCTIVITY;GEOTHERMAL FIELDS


Geothermal gradients within geopressurized deposits up to 100°C/km, 273°C maximum temperature at 5659 m.; 120°C isogeotherm at 2500-5000 m below sea level. GULF OF MEXICO;GEOTHERMAL RESOURCES;GEOPRESSURED SYSTEMS;GEOPRESSURE;TEMPERATURE GRADIENTS;MAPS;DRILLING;CLAYS;FRESH WATER;GROUND WATER;DEMIXING


JAPAN;GEOTHERMAL ENERGY;USES;HOT SPRINGS;EFFICIENCY;ECONOMICS


13,600 kW power plant. GEOTHERMAL POWER PLANTS;ELECTRIC POWER;VOLCANOES;JAPAN;GEOTHERMAL EXPLORATION;REVIEWS;GEOPHYSICAL SURVEYS;ELECTRICAL SURVEYS;SEISMIC SURVEYS;GEOTHERMAL ENERGY


First-stage generation of 250 MW from 9 geothermal fields. GEOTHERMAL ENERGY;FORECASTING;INDONESIA;TOPOGRAPHY;HOT SPRINGS;ROCKS;GEOLOGIC FAULTS;STRATIGRAPHY;GEOTHERMAL RESOURCES;POWER POTENTIAL


EXPLORATION;GEOTHERMAL RESOURCES;TURKEY;GEOLOGY;GEOCHEMICAL SURVEYS;GEOTHERMAL FIELDS;SEISMOLOGY;TEMPERATURE GRADIENTS;DRILLING;STRATIGRAPHY;BRECHOLE

00552 KIZILDERE GEOTHERMAL FIELD, WESTERN ANATOLIA. Dam, A.T. (Manager, SCEP, Paris, France); Erentoz, C. Geothermics; No. 2, 9-17(1970).

Exploration;geothermal resources;TURKEY;GEOLOGY;GEOCHEMICAL SURVEYS;GEOTHERMAL FIELDS;TEMPERATURE GRADIENTS;STRATIGRAPHY;BRECHOLE


GEOTHERMAL RESOURCES;GEOTHERMAL EXPLORATION;AVAS;MAGMA


Quaternary volcanic deposits and subsidence basins with high heat flow. HUNGARY;SEDIMENTS;GEOTHERMAL ENERGY;HOT FLOW;TEMPERATURE GRADIENTS;BRINES;GEOTHERMAL RESOURCES;EUROPE;ECONOMICS;TECTONICS

00555 GEOTHERMAL POWER FOR NON-BASE LOAD


THERMAL WATERS; GEOLOGY; HYDRODYNAMICS; ARTEXIAN BASINS; TECTONICS; VOLCANOES; DISTRIBUTION; GROUND WATER; ECONOMICS; EXPLORATION; RESERVES; AUSTRALIA


THERMAL WATERS; USSR; CHEMICAL COMPOSITION; TECTONICS; HYDROLOGY; GEOLOGY; ROCKS; THERMAL CONDUCTIVITY; MAPS; TEMPERATURE GRADIENTS; USES; SPACE HEATING; GEOTHERMAL RESOURCES; HEAT FLOW

00558 GEOTHERMAL RESOURCES OF THE USSR AND PROSPECTS FOR THEIR PRACTICAL USE. Makarenko, F.A.; Lokshin, B.A.; Kononov, V.I. (Geological Inst. of USSR Ac. of Sciences, Moscow, USSR); Mavritskii, B.F. (Union Res. Inst. of Hydrogeology and Engineering Geology (Vsegingeo), Moscow, USSR); Geothermics; Special Issue 2: 1086-91 (1970).


THERMAL WATERS; USSR; GEOTHERMAL RESOURCES; EXPLORATION; PLANNING; ECONOMICS; USES; MINERALS; HEAT; CHEMICAL COMPOSITION

00559 ESTIMATE OF THE NATURAL HEAT RESOURCES IN A THERMAL AREA IN ICELAND. Bodvarsson, G. (Dept. of Oceanography, Oregon State Univ., Corvallis, Oregon); Geothermics; Special Issue 2: 1209-13 (1970).


GEOTHERMAL ENERGY; GEOTHERMAL RESOURCES; ICELAND; BOREHOLES; STEAM; ECONOMICS; RECOVERY; PRODUCTIVITY; FLASHING; AVAILABILITY; HOT-WATER SYSTEMS

00560 THERMAL FIELDS OF THE EASTERN CARPATHIANS. Kutas, R.I.; Gordiyenko, V.V. (Inst. of USSR Acad. of Sciences, Moscow, USSR); Geothermics; Special Issue 2: 1063-6 (1970).


BOREHOLES; TECTONICS; GEOLOGY; GEOTHERMAL FIELDS; USSR; EXPLORATION; GEOTHERMAL RESOURCES; HEAT TRANSFER


GEOTHERMAL RESOURCES; USSR; RESEARCH PROGRAMS; EXPLORATION; USES; THERMAL WATERS; HEATING; WATER RESOURCES; ELECTRIC POWER; AGRICULTURE; RECOVERY; GEOTHERMAL ENERGY


GEOTHERMAL RESOURCES; TURKEY; GEOTHERMAL RESOURCES; GEYSERS; THERMAL WATERS; EXPLORATION; TECTONICS; IGNEOUS ROCKS; VOLCANOES; GEOLOGIC FISSURES

00563 GEOTHERMAL EXPLORATION OF HOT-WATER SOURCES IN THE CARPATHIANS OF YUGOSLAVIA AND CZECHOSLOVAKIA. Krcmar, B. (Scintrex Ltd., Concord, Ontario, Canada); Milanovic, B. (Geotaxav, Belgrade, Yugoslavia); Geothermics; Special Issue 2: 1059-62 (1970).


GEOTHERMAL RESOURCES; CZECHOSLOVAKIA; GEOLOGY; GEOTHERMAL EXPLORATION

00564 GEOTHERMAL AREAS OF CZECHOSLOVAKIA. Klir, B. (Geoinustrie, 32 u. Pruhonu, Praha 7, Czechoslovakia); Geothermics; Special Issue 2: 1055-9 (1970).


GEOTHERMAL RESOURCES; CZECHOSLOVAKIA; GEOLOGY; GEOTHERMAL EXPLORATION

00565 GEOTHERMAL RESOURCES OF INDIA. Iyengar, B.R.R. (Central Water and Power Commission (Power Wing), West Block 2, R.K. Puram, New Delhi, IN); Geothermics; Special Issue 2: 1044-9 (1970).


GEOTHERMAL RESOURCES; INDIA; GEOTHERMAL RESOURCES; POWER DEMAND; GEOTHERMAL EXPLORATION; ELECTRIC POWER


GEOTHERMAL RESOURCES; TANZANIA; GEOTHERMAL RESOURCES; POWER DEMAND; GEOTHERMAL EXPLORATION; ELECTRIC POWER; THERMAL SPRINGS; TANZANIA


THERMAL WATERS; HOT SPRINGS; MINERALS; UGANDA; GEOTHERMAL RESOURCES


GEOTHERMAL RESOURCES; RWANDA; GEOTHERMAL RESOURCES; AFRICA; RESEARCH PROGRAMS; VOLCANIC REGIONS
00569 GEOTHERMAL RESOURCES OF COSTA RICA. Geothermics; Special Issue 2: 1026-9(1970).
GEOTHERMAL RESOURCES;COSTA RICA;CENTRAL AMERICA;ELECTRIC POWER;GEOTHERMAL ENERGY

GEOTHERMAL RESOURCES;CENTRAL AMERICA;GUATEMALA;GEOLoGY;GEOTHERMAL ENERGY

GEOTHERMAL ENERGY;MINERALS;UGANDA;POWER POTENTIAL;GEOTHERMAL RESOURCES;USES

THERMAL WATERS;USES;USSR;GEOLoGY;DEPOSITS;OILS;HEAT;WATER RESOURCES;INJECTION WELLS;GEOTHERMAL WELLS;GEOTHERMAL RESOURCES

USSR;HYDROTHERMAL SYSTEMS;GEOLOGY;TECTonics;HYDRODYNAMICS;VOLCANOES;HEAT TRANSFER;GEOTHERMAL RESOURCES;ARTESIAN BASINS

GEOLoGY;GEOTHERMAL RESOURCES;CO2;WATERS;PLUG WELLS;INJECTION WELLS;ECONOMICS;CO2;WATER;HEAT POWER POTENTIAL

HEAT TRANSFER;GEOTHERMAL FIELDS;JAPAN;MAGMA;GEOTHERMAL RESOURCES;FUMAROLES;HEAT SPRING;ENERGY YIELD

GEOTHERMAL RESOURCES;HEAT FLOW;GEOLOGY;GEOPhYSICS;ECONOMICS;USSR;POWER GENERATION;HEATING;GREENHOUSES

GEOTHERMAL RESOURCES;GEOTHERMAL RINGS;GEOTHERMAL WATERS;GEOTHERMAL ENERGY;GEOTHERMAL EXPLORE;AZORES ISLAND;PORTUGAL

HEAT TRANSFER;JAPAN;GEOTHERMAL RESOURCES;FUMAROLES;STEAM;THERMAL WATERS;VOLCANOES;MASS TRANSFER;HEAT TRANSFER;GEOTHERMAL ENERGY;HEAT FLOW;GEYSERS;GEOTHERMAL FIELDS;MEASURING METHODS

00579 DRILLING FOR UNDERGROUND STEAM. Water Ground Age; 5: No. 3, 10(1970).
392°F steam from 200-ft deep well. DRILLING;GEOTHERMAL WELLS;EL TATIO GEOTHERMAL FIELD;POWER GENERATION;HOT SPRINGS;GEYSERS;FUMAROLES;NATURAL STEAM;CHILE;ELECTRIC POWER

MINERAL HUNGER;MINERAL SPRINGS;HOT SPRINGS;THERMAL WATERS;GEOCHEMISTRY;BRINES;PIPES;EXPLOITATION

GEOTHERMAL RESOURCES;CENTRAL AMERICA;ELECTRIC POWER;GEOTHERMAL ENERGY;INDONESIA;GEOTHERMAL RESOURCES;THERMAL WATERS;EXPLOITATION;ECONOMICS;GEOTHERMAL EXPLORATION

TURKEY;GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY

GEOTHERMAL ENERGY;JAPAN;MAGMA;GEOTHERMAL RESOURCES

HEAT TRANSFER;WELL LOGGING;TEMPERATURE MEASUREMENT;TEMPERATURE GRADIENTS;SOUTH AMERICA DISTRIBUTION;HEAT FLOW;GEOTHERMAL RESOURCES;MINES

Planning multi-purpose power plants in Mexico and California. MEXICO;GEOTHERMAL POWER PLANTS;OPERATION;PLANNING;ELECTRIC POWER;POWER GENERATION;ECONOMICS;BRINES;DESALINATION;WASTE DISPOSAL;RESEARCH PROGRAMS;CALIFORNIA;IMPERIAL VALLEY;ENVIRONMENT;POLUTION


GEOTHERMAL GRADIENTS; GEOTHERMAL RESOURCES; HEAT FLOW; HIGH TEMPERATURE


NEW ZEALAND; GEOTHERMAL ENERGY; GEOTHERMAL RESOURCES; REVIEWS; GEOTHERMAL EXPLORATION


New Zealand; Geothermal Energy; Geothermal Resources; Geophysical Surveys; Geothermal Exploration; Geothermal Energy; Volcanoes


Indonesia; Geothermal Resources; Geothermal Energy; Geothermal Exploration; Asia


Mexico; Geothermal Resources; Power Potential; Geothermal Power Plants; Cerro Prieto Geothermal Field; Construction; Geothermal Energy


Philippines; Geothermal Resources; Geothermal Exploration


Greece; Geothermal Energy; Geothermal Resources; Availability; Exploitation; Reviews


New Zealand; USA; Geothermal Resources; Comparative Evaluations; Electric Power; Management; Construction; Boreholes; Water; Waiakaki Geothermal Field; Power Generation; Geothermal Energy; Design

GEOTHERMAL ENERGY. Schelling, R.D. Varekamp, J.C. (Vening Meijnz Laboratorium, Afd. Geochimie, Utrecht, Netherlands). Atomenergie Haar Toepass.; 16: No. 6, 133-


Geothermal Resources; Netherlands; Power Potential; Geothermal Energy; Exploitation; Economics

LIFE EXPECTANCY OF GEOTHERMAL FIELDS. Banwell, C.J. Geotherm. Energy Mag.; 2: No. 7, 12-13(Jul 1974). Geothermal Fields; Reserves; Exploitation; Performance; Waiakakei Geothermal Field; Larderello Geothermal Field


New Zealand; Geothermal Power Plants; Geothermal Fields; Geothermal Exploration; Performance; Operation; Geothermal Resources; Geothermal Energy; Reviews


15,000 kw. Geothermal Energy; Environmental Effects; Economic Policy; Steam Turbines; Engineering; Economics; Italy; Exploration; Cost; Construction; Boreholes; Power Generation; Taxes

SITE GEOLOGY, HYDROLOGY, AND METEOROLOGY

REFER ALSO TO CITATION(S) 30, 48, 65, 170, 223, 292, 353, 562, 747, 1623, 1634, 1643, 1844, 1955, 1979, 2474, 2646, 2683, 3547, 3683


Geothermal Energy; Geology; Geophysics; Mountains; New Mexico; USA; Jemez Mountains

MULTIPHASE FLUID FLOW IN A SALINE AQUIFER. Kaufman, M.; Tien, C.Y. (Los Alamos Scientific Lab., N.Mex. (USA)). Aug 1973. 12p. NTIS $0.95. IBM Computers; Computer Codes; Computer Calculations; Chemical Composition; Silicon Oxides; Abundance; Temperature Measurement; IBM Codes

00669 GEOTHERMY IN REGIONAL GEOLOGY AND IN THE STUDY OF SUBSURFACE TECTONICS. Dyakonov, V.V. Geol. Nefti Gaza; No. 11, 50-6 (1960). GEOLOGY;EARTH CRUST;ARTESIAN BASING;TECTONICS;SEDIMENTARY ROCKS;STRATIGRAPHY;TEMPERATURE MEASUREMENT;HYDROLOGY;GEOTHERMOMETRY

00670 POSSIBILITY OF VOLCANIC HOT SPRINGS OF METEORIC AND MAGMATIC ORIGIN AND THEIR PROBABLE LIFE SPAN. Fukutomi, T. Hokkaido Univ. Fac. Sci. J. j; 11, No. 4, Ser. 7, 224-66 (1960). HOT SPRINGS;MAGMA;METEORIC WATER;ORIGIN;TEMPERATURE GRADIENTS;NEW ZEALAND;USA;JAPAN;WEST INDIES;VOLCANIC REGIONS;MAGMATIC WATER;RESERVES

00671 ORIGIN AND CLASSIFICATION OF RECENT HYDROTHERMAL WATERS. Ivanov, V.V. Geokhimiya; No. 5, 443-50 (1960). (English summary). THERMAL WATERS;CHEMICAL COMPOSITION;GEYSERS;REVIEW;ORIGIN


00673 GEOTHERMAL HEAT FLOW IN THE GULFS OF CALIFORNIA AND ADEN. Von Herzen, R.P. Science; 140: No. 3572, 1207-11 (1963). SEAS;HEAT FLOW


00675 GEOTHERMY IN REGIONAL GEOLOGY AND FOR STUDY OF SUBSURFACE TECTONICS. Dyakonov, V.V. Petrol. Geol. (USSR) (Engl. Transl.); 4: No. 11-8, 657-661 (1963). GEOPHYSICAL SURVEYS;RUGS;GEOTHERMAL GRADIENTS;GEOTHERMAL SYSTEMS;STRATIGRAPHY;LITHOLOGY;ARTESIAN BASINS;TERRESTIAL CONDUCTIVITY


00677 TOPOGRAPHICAL CORRECTIONS IN GEOTHERMAL PROSPECTING. MEASUREMENT OF THE BOREHOLE GRADIENT. Mongelli, F.; Morelli, C. Boll. di Geol. Geofis. Teorica ed Applfata, V; No. 20, 8p. (Dec 1963). (In Italian). ITALY;GEOTHERMAL FIELDS;EXPLORATION;BOREHOLES;GEOTHERMAL EXPLORATION;GEOTHERMAL GRADIENTS;CORRECTIONS;TOPOGRAPHY


GEOTHERMAL ENERGY

GEOTHERMAL FIELDS; HOT SPRINGS; CAP ROCK; AQUIFERS; GEOLOGY; PERMEABILITY


00703 FILTRATION OF HEAT CARRIERS IN EARTH CORE ROCKS AT A DEPTH OF FROM 5 TO 6 KILOMETERS. Gorbenko, V.S.; Ponomarev, V.P.; Fialko, A.I. pp 25-39 of Thermochemistry and thermoeconomics of mining of thermophysics of 23rd International Geological Congress, Prague, Czechoslovakia, Symposium 2, Prague; International Geological Congress (1968).-


RED SEA;SEDIMENTS;LEAD ISOTOPES;RADIOISOTOPE RATIO

ITALY;FUMAROLES;GASES;CARBON 13;OXYGEN 18; DEUTERIUM;TRITIUM;ISOTOPE RATIO;CARBON ISOTOPES; FUMAROLIC FLUIDS;OXYGEN ISOTOPES;HYDROGEN ISOTOPES


00712 THERMAL CONVECTION IN VERTICAL TUBES WITH APPLICATION TO GEYSERS. Murty, T.S. Tellus; 21: No. 1, 54-63(1969). GEYSERS;TUBES;SIMULATION;NATURAL CONVECTION; FLUID FLOW;HEAT TRANSFER;HYDRODYNAMICS


VOLCANOES;MEETINGS;GEOCHEMISTRY;PETROLOGY; GEOLoGY;VOLCANIC REGIONS;GEOTHERMAL GRADIENTS; HEAT FLOW;MINERALS;SYNTHESIS

Geothermal resources;brines;water; HYDROTHERMAL SYSTEMS;VOLCANOES;HEAT;ENERGY;YIELD;HEAT FLOW

Geothermal energy;geological surveys; geothermal exploration;thermal waters; geothermal fields;fumaroles;steam;temperature gradients;stratigraphy;hot springs;geothermal resources;geology

GEOTHERMAL FIELDS;CONJUNCTION;THERMAL WATERS; PERMEABILITY;GEOLoGIC DEPOSITS;HEATING;ROCKS; GEOLoGY;HYDROTHERMAL SYSTEMS


00719 ORIGIN OF THERMAL WATERS ON THE BASIS OF THEIR RADIOISOTOPIC CONTENT. Cherdynsev, V.V. (Geol. Inst., Acad. of Sciences, Moscow, USSR). Geothermics; Special Issue 2: 1340-3(1970).
THERMAL WATERS;URANIUM ISOTOPES;RADIUm ISOTOPES;THORIUM ISOTOPES;RADO.N 222;ACTINIUM 227;LEAD 210;RADIOISOTOPES;CHEMICAL COMPOSITION; CHEMICAL ANALYSIS;ORIGIN;VOLCANOES

THERMAL WATERS;ORIGIN;HEAT;GROUND WATER; FLUID FLOW;GEOTHERMAL RESOURCES;GEOPHYSICAL SURVEYS;NATURAL STEAM

HOT SPRINGS;DISTRIBUTION;TECTONICS;VOLCANOES; FUMAROLES;GEOTHERMAL RESOURCES

PACIFIC OCEAN;HEAT FLOW;TECTONICS

From Power from the Earth: Geothermal Energy (Bibliography), p. 8.
GEOTHERMAL FIELDS;GEOLOGY;HYDROCARBONS; ABUNDANCE

GEOTHERMAL DEPOSITS;GEOLOGY;HYDROTHERMAL SYSTEMS;GEOTHERMAL RESOURCES;GEOTHERMAL INDUSTRY

DEVELOPING COUNTRIES;GEOPHYSICAL SURVEYS; UNITED NATIONS;AERIAL PROSPECTING;GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY;AERIAL PROSPECTING;GEOCHEMICAL SURVEYS;MINING;GROUND WATER

EARTH CRUST;MELTING;HEAT FLOW;TECTONICS; MAGMA;STABILITY

Popular account. GEYSERS;FUMAROLES;VOLCANOES; HOT SPRINGS;REVIEWS

00728 VAPOR-DOMINATED HYDROTHERMAL SYSTEMS. White, D.E.; Truesdell, A.H.; Muffler, L.J.P.
GEOTHERMAL FIELDS; TEMPERATURE GRADIENTS; HYDRODYNAMICS; THERMAL WATERS; DRY-STEAM SYSTEMS; HEAT TRANSFER

GEOTHERMAL FIELDS; TEMPERATURE MEASUREMENT; PRESSURE MEASUREMENT; BOREHOLES; SALTS; GEOLOGIC DEPOSITS; USSR

USA; NEW ZEALAND; ICELAND; HOT SPRINGS; PH VALUE; DISTRIBUTION

GEOLcogic STRATA; GEOLOGY; MAGMATIC WATER; HYDRAULICS; STRESSES; DENSITY; INCLUSIONS; GEOLOGIC DEPOSITS; GEOTHERMOMETRY; QUARTZ; PRESSURE GRADIENTS; MYOLOBENUM SULFIDES; PYRITES

GEOTHERMAL SYSTEMS; VOLCANIC REGIONS; VOLCANOES; DISTRIBUTION; GEOTHERMAL ENERGY

NATURAL STEAM; GEOTHERMAL ENERGY; EARTH CRUST; HYDROTHERMAL SYSTEMS

EARTHQUAKES; GEOTHERMAL FIELDS; ICELAND; SEISMOLOGY; GEOLOGY; FRACTURES

GEOTHERMAL FIELDS; THERMAL WATERS; TEMPERATURE MEASUREMENT; TEMPERATURE DISTRIBUTION; GROUND WATER; PUMPS; HYDROLOGY; GEOLOGIC DEPOSITS; FLUID FLOW; AQUIFERS

AQUIFERS; GROUND WATER; INJECTION WELLS; BRINES; HEATING; GEOTHERMAL ENERGY; TEMPERATURE DISTRIBUTION; FLUID FLOW; TWO-PHASE FLOW; DISPERSIONS; HYDRAULICS; MATHEMATICAL MODELS

00738 CONTRIBUTION OF GROUND WATER SYSTEM OF THE DISTRIBUTION OF GEOTHERMAL STATE.

Piezometric level of ground water and thermal waters. GROUND WATER; ROCK DRILLING; TEMPERATURE DISTRIBUTION; CHEMICAL COMPOSITION; THERMAL WATERS; HYDROLOGY

GEOTHERMAL ENERGY; REVIEWS; GEOLOGY; HEAT TRANSFER; HEAT FLOW; GEOTHERMAL FIELDS; HEATING; MOTION; VOLCANOES; EARTH CRUST

GEOTHERMAL FIELDS; GEOCHEMISTRY; WATER; STEAM; HEATING; GEOPHYSICS; EARTH CRUST; GEOLOGY; HOT-WATER SYSTEMS; DRY-STEAM SYSTEMS; GEYSERS; GEOTHERMAL RESOURCES; LARDERELLO GEOTHERMAL FIELD; UTKE GEOTHERMAL FIELD

GEOTHERMAL RESOURCES; ENERGY SOURCES; GEOTHERMAL EXPLORATION; GEOLOGICAL SURVEYS; GEOLOGY; GEOCHEMISTRY; GEOPHYSICS; TOPOGRAPHY; ECONOMICS; ROCK DRILLING; PRODUCTION; HYDROLOGY; GEOCHEMICAL SURVEYS; GEOPHYSICAL SURVEYS

GEOTHERMAL RESOURCES; ENERGY SOURCES; GEOTHERMAL EXPLORATION; GEOLOGICAL SURVEYS; GEOLOGY; GEOCHEMISTRY; GEOPHYSICS; TOPOGRAPHY; ECONOMICS; ROCK DRILLING; PRODUCTION; HYDROLOGY; GEOCHEMICAL SURVEYS; GEOPHYSICAL SURVEYS

RED SEA; GEOLOGIC DEPOSITS; ECONOMICS; EXPLOITATION; LEAD; ZINC; COPPER; SILVER; GOLD; BY-PRODUCTS; BOREHOLES; STRATIGRAPHY; BASALT; IRON; AGE; ESTIMATION; ISOTOPE DATING

MERCURY; ICELAND; ABUNDANCE; GEOTHERMAL FIELDS; NATURAL OCCURRENCE; AIR SAMPLERS; AERIAL MONITORING; GREENLAND

From 1973 Fall Annual Meeting of American Geophysical Union; San Francisco, CA (10-13 Dec 1973).
Age, composition and volume. VOLCANIC ROCKS; GEOTHERMAL EXPLORATION; GEOLOGICAL SURVEYS; SILICON OXIDES; MAGMA; GEOPHYSICAL SURVEYS;
SOLIDIFICATION


00752  WORLD’S GEYSER REGIONS. Peale, A.C. Pop. Sci. Monthly; 25: 494-508 (1884). GEYSERS; ICELAND; NEW ZEALAND; YELLOWSTONE NATIONAL PARK; MAPS


USA


00762  YELLOWSTONE NATIONAL PARK. Hague, A. Scribner's Mag.; 35: No. 5, 513-527 (1904). YELLOWSTONE NATIONAL PARK; GEYSERS; HOT SPRINGS; GEOLOGY


00764  GEOLoGy AND WATER RESOURCES OF THE BIGHORN BASIN, WYOMING. Fisher, C.A. US
42

GEOTHERMAL ENERGY


WYOMING;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;GEOLGY;WATER RESOURCES


00766 GEOTHERMAL DATA OF THE UNITED STATES. Darton, N.H. Geol. Soc. Amer., Bull.; 24: 677(1913). USA;GEOLGY;DEPOSITS;TEMPERATURE GRADIENTS;ARTESIAN BASINS;DATA;GEOTHERMAL GRADIENTS;THERMOMETERS

00767 ALASKA, AN EMPIRE IN THE MAKING. Underwood, J.J. New York; USA; Dodd and Mead Co. (1913). 440p. ALASKA;GEYSERS


00771 VALLEY OF TEN THOUSAND SMOKES. Griggs, R.F. USA; Natl. Geol. Soc. (1922). 341p. ALASKA;ALEUTIAN ISLANDS;FUMAROLES;HOT SPRINGS

00772 SONOMA COUNTY. Laizure, C.R. pp 339-54 of California Mining Bureau, 22nd report of State Mineralogist. Sacramento; Calif. Min. Bur. (1926). GEYSERS;GEOTHERMAL FIELD;HOT SPRINGS;THERMAL WATERS;CALIFORNIA;GEOTHERMAL RESOURCES;POWER GENERATION

00773 POSSIBLE DEPENDENCE OF DEEP-EARTH TEMPERATURES ON GEOLOGIC STRUCTURE. Van Orstrand, C.E. J. Wash. Acad. Sci.; 16: No. 18, 503(1926). BOREHOLES;WYOMING;TEMPERATURE DISTRIBUTION;THERMAL WATERS;MAPS;GEOLGY;GEOTHERMAL GRADIENTS;EARTH CRUST


00775 GEOLOGICAL HISTORY OF THE YELLOWSTONE NATIONAL PARK. Hague, A. Washington, DC; USA; US Dept. Interior, National Park Service (1928). 230p. YELLOWSTONE NATIONAL PARK;HOT SPRINGS;GEOLGY;GEYSERS

00776 VALLEY OF TEN THOUSAND SMOKES. Zies, E.C. Natl. Geog. Soc., Contr. Tech. Papers, Katmai Ser.; 1: No. 4, (1929). ALASKA;FUMAROLES;MAPS;EARTH ATMOSPHERE; POLLUTION;FUMAROLIC FLUIDS;CHEMICAL COMPOSITION;HYDROCHLORIC ACID;ABUNDANCE

00777 SALINE SPRINGS OF THE RIO SALADO, SAN'DOVAL COUNTY, NEW MEXICO. Clark, J.D. Univ. NM Bull., Chem. Ser.; 1: No. 3, 29p.(1929). NEW MEXICO;HOT SPRINGS;MINERAL SPRINGS;SULFUR;GEOTHERMAL WELLS


00779 DISCHARGE OF HOT SPRINGS IN THE YELLOWSTONE NATIONAL PARK. Allen, E.T. Science; 73: No. 5, 505(1931). YELLOWSTONE NATIONAL PARK;HOT SPRINGS;FLOW RATE


00782 HYDROTHERMAL METAMORPHISM IN GEYSER BASINS OF YELLOWSTONE PARK, AS SHOWN BY DEEP DRILLING. Fenner, C.N. Econ. Geol.; 7: No. 2, 224, No. 196(1934). GEOLGY;YELLOWSTONE NATIONAL PARK;GEYSERS;GEOLGY;DEPOSITS;HYDROTHERMAL ALTERATION;ROCKS;CHEMICAL COMPOSITION;BOREHOLES;SODIUM CARBONATES;ABUNDANCE;SILICON OXIDES

00783 AGENCY OF ALGAE IN THE DEPOSITION OF TRAVERTINE AND SILICA FROM THERMAL WATERS. Allen, E.T. Amer. J. Sci.; 28: No. 167, Ser. 5, 373-9(1934). YELLOWSTONE NATIONAL PARK;HOT SPRINGS;PRECIPITATION;SILICON OXIDES;CALCULUM CARBONATES;ALGAE

00784 INDIAN HOT SPRINGS, GRAHAM COUNTY, ARIZONA. Knechtel, R.M. Washington Acad. Sci. Jour.; 25: No. 9, 409-413(1935). ARIZONA;HOT SPRINGS;THERMAL WATERS;TEMPERATURE MEASUREMENT;ORIGIN;CHEMICAL COMPOSITION;FLOW RATE;RAIN

00785 GEYSER BASINS AND IGNEOUS EMINATIONS. Allen, E.T. Econ. Geol.; 30: No. 1, 1-13(1935). YELLOWSTONE NATIONAL PARK;GEYSERS;ORIGIN;MAGMATIC WATER;METEORIC WATER;SUPERHEATED STEAM;NATURAL STEAM;THERMAL WATERS;SULFATES;HYDROTHERMAL ALTERATION;IGNEOUS ROCKS

00786 HOT SPRINGS OF THE YELLOWSTONE NATIONAL PARK. Allen, E.T.; Day, A.L. Publication 466. Washington, DC; USA; Carnegie Inst. (1935). 515p. YELLOWSTONE NATIONAL PARK;HOT SPRINGS;ORIGIN;METEORIC WATER;NATURAL STEAM;SUPERHEATED STEAM;MAGMA;GEOLGY;FAULTS;EARTH CRUST;VAPOR PRESSURE;SILICATES;GEYSERS;GEOCHEMISTRY

00787 HOT SPRINGS OF THE YELLOWSTONE NATIONAL PARK. Behre, C.H., Jr. J. Geol.; 44: 650-1(1936). YELLOWSTONE NATIONAL PARK;HOT SPRINGS;THERMAL WATERS;FLOW RATE;CHEMICAL COMPOSITION;SODIUM COMPOUNDS;ROCKS;CHEMICAL REACTIONS;GASES;
TEMPERATURE GRADIENTS; LIMESTONE; DEPOSITION; MICROORGANISMS

YELLOWSTONE NATIONAL PARK; HOT SPRINGS; THERMAL WATERS; CHEMICAL COMPOSITION; FLOW RATE; VOLCANIC FLUIDS; GEOLOGY; NATURAL STEAM;

00789 HOT-SPRING PROBLEM IN YELLOWSTONE PARK. Day, A.L. Science; 83: 466(1936).
YELLOWSTONE NATIONAL PARK; HOT SPRINGS; ORIGIN; GEYSERS; MINERALS; DEPOSITION; HEAT; NATURAL STEAM; THERMAL WATERS

YELLOWSTONE NATIONAL PARK; HOT SPRINGS; GEOLOGY; GEOGRAPHY; ARTESIAN BASING; GROUND WATER; EVAPORATION; EXPLOITATION

USA; HOT SPRINGS; GEOLOGY; MAPS; METEORIC WATER; GEOTHERMAL SYSTEMS; GEOLOGIC FAULTS; CHEMICAL REACTIONS; ROCKS; RADIOACTIVITY

YELLOWSTONE NATIONAL PARK; GEYSERS; HOT SPRINGS

YELLOWSTONE NATIONAL PARK; HOT SPRINGS; THERMAL WATERS; TEMPERATURE MEASUREMENT

YELLOWSTONE NATIONAL PARK; GEYSERS; HOT SPRINGS

Classification of Yellowstone National Park springs by water chemistry. USA; YELLOWSTONE NATIONAL PARK; HOT SPRINGS; MINERAL RESOURCES; MAGMATIC WATER; METEORIC WATER; SILICON OXIDES; SILICATES; CARBONATES; PH VALUE

YELLOWSTONE NATIONAL PARK; GEYSERS; HOT SPRINGS; PHYSICAL PROPERTIES

CALIFORNIA; IMPERIAL VALLEY; GEOTHERMALFIELDS; ABUNDANCE; THERMAL WATERS; CARBON DIOXIDE; VOLCANIC REGIONS; CHEMICAL COMPOSITION

YELLOWSTONE NATIONAL PARK; HOT SPRINGS; FUMAROLES; MAGMATIC; GEOLOGY; SEDIMENTARY ROCKS; DEPOSITION; GEOLOGIC DEPOSITS; CLAYS

YELLOWSTONE NATIONAL PARK; GEYSERS; HOT SPRINGS; SEDIMENTS; DEPOSITION; ORIGIN

ALASKA; VOLCANIC REGIONS; CALIFORNIA; IMPERIAL VALLEY; GEOTHERMAL WELLS; NATURAL STEAM; SEISMIC SURVEYS; GEOGRAPHIC SURVEYS; FUMAROLES; HOT SPRINGS

00801 FUMAROLE BUTTE, UTAH. Ives, R.L.

Describes Steamboat Springs and mentions Great hot springs. STEAMBOAT SPRINGS; GEOLOGY; ROCKS; HYDROTHERMAL ALTERNATION; HOT SPRINGS

STEAMBOAT SPRINGS; GEOLOGY; ROCKS; HYDROTHERMAL ALTERNATION; HOT SPRINGS

00804 YELLOWSTONE - ITS UNDERWORLD GEOLOGY AND HISTORICAL ANECDOTES OF OUR OLDEST NATIONAL PARK. Bauer, C.M. Albuquerque, NM; USA; Univ. New Mexico Press (1948). 122p.
YELLOWSTONE NATIONAL PARK; HYDROTHERMAL SYSTEMS; GEOLOGY

Data on mean height, duration, and interval of eruptions of 58 geysers. YELLOWSTONE NATIONAL PARK; GEYSERS; FLOW RATE

THERMAL WATERS; HOT SPRINGS; BIBLIOGRAPHIES

Mud pots, steam vents, and thermal wells on east side of Salton Sea. CALIFORNIA; SALTON SEA; GEYSERS; HOT SPRINGS; GEOTHERMAL WELLS; NATURAL STEAM

Two wells near Boise yield 1780°F water. IDAHO; GEOTHERMAL WELLS; THERMAL WATERS; TEMPERATURE MEASUREMENT

YELLOWSTONE NATIONAL PARK; HOT SPRINGS; THERMAL WATERS; ENTHALPY; TEMPERATURE MEASUREMENT; GEYSERS; COOLING; CONVECTION; SEASONAL VARIATIONS; FLOW RATE

Data on 33 springs. NEVADA; HOT SPRINGS

00811 GEOLOGY OF SITKIN ISLAND, ALASKA.
00812 GEYSERS OF WHIRLWIND VALLEY (NEVADA).
Description of Beowawe geysers. NEVADA.

GEYSERS

00813 PUMICE, PUMICITE, AND VOLCANIC CINDERS
IN CALIFORNIA. Chesterman, C.W. pp 1-97 of
Quaternary volcanism products. CALIFORNIA.

GEOTHERMAL FIELDS; VOLCANIC REGIONS; VOLCANIC ROCKS; GEOLOGY; VOLCANOES

00814 OCCURRENCE OF WAIRAKITE AT THE GEYSERS,
CALIFORNIA. Steiner, A. Amer. Mineral.; 43:
No. 7-8, 481(1958).

GEYSERS; GEOTHERMAL FIELD; BOREHOLES; DRILL CORES; GEODES; GEM MINERALS; GEMSTONE; WAIRAKITE

00815 FAULT PATTERNS IN SOUTHEASTERN ALASKA.
Twenhofel, W.S.; Sainsbury, C.L. Geol. Soc.

ALASKA; GEODES; GEM MINERALS; GEMSTONE; FAULTS; GEOLOGY; VOLCANOES

00816 SEWARD PENINSULA. Hopkins, J.P.;
Hopkins, D.M. pp 104-10 of Landscapes of
Alaska, their geologic evolution. Williams,

GEYSERS; GEOTHERMAL: GEOTHERMAL FIELD; WATER; VOLCANOES

00817 GEOTHERMAL POWER. McNitt, J.R.

GEYSERS GEOTHERMAL FIELD; GEOTHERMAL POWER PLANTS; GEOLOGICAL SURVEYS; VOLCANIC ROCKS;
Fumaroles; Hot Springs; Geologic Faults; Geothermal Fluids; Geophysical Surveys; Natural Steam; Meteoric Water; Convection

00818 DRILLING INTO MOLTEN LAVA IN THE
KILAUEA IKI VOLCANIC CRATER, HAWAII.

VOLCANIC REGIONS; ROCK DRILLING; VERY HIGH TEMPERATURE; HIGH TEMPERATURE; MAGMA; DRILL CORES; TEMPERATURE MEASUREMENT; LAVA; VOLCANOES; COOLING

00819 CATALOGUE OF THE ACTIVE VOLCANOES OF
THE WORLD, INCLUDING SOLFATARA FIELDS.
Coobsa, H.A. Internat. Volcanol. Assoc.; 1:
56(1960).

USA; VOLCANOES; HOT SPRINGS; GEOTHERMAL; SOLFATARA

00820 GEOLGY AND HOT SPRINGS OF KUROYU GEOTHERMAL AREA, AKITA PREFECTURE.
Nakamura, H.; Ando, T.; Suzuki, T. Chishitsu Chosa
with English summary).

JAPAN; HOT SPRINGS; GEOLGY; TUFF; SANDSTONES; SHALES; VOLCANIC ROCKS; THERMAL WATERS; CHEMICAL COMPOSITION; CHLORIDE; HYDROGEN COMPOUNDS; CARBONATES; ABUNDANCE; FUMAROLI

00821 1959 HEGBEN LAKE EARTHQUAKE ALTERS
YELLOWSTONE'S HOT SPRINGS.

MONTANA; EARTHQUAKES; HOT SPRINGS; YELLOWSTONE NATIONAL PARK; GEYSERS; SEISMIC EFFECTS; OLD FAITHFUL GEYSER; ORIGIN

00822 YELLOWSTONE'S LIVING GEOLOGY -
HIGHLIGHTS OF YELLOWSTONE GEOLOGY WITH AN INTERPRETATION OF THE 1959 EARTHQUAKES AND THEIR EFFECTS IN YELLOWSTONE NATIONAL PARK.
Fischer, W.A. Yellowstone Nature Notes; 33,
1959-60 Special Issue: 62p.(1960).

GEYSERS; GEOTHERMAL FIELD; HOT SPRINGS; SEISMIC EFFECTS

00823 CATALOGUE OF THE ACTIVE VOLCANOES OF
THE WORLD, INCLUDING SOLFATARA FIELDS:

YELLOWSTONE NATIONAL PARK; VOLCANOES; HYDROTHERMAL SYSTEMS; GEYSERS; HOT SPRINGS

00824 WINTER THERMAL RADIATION STUDIES IN
YELLOWSTONE PARK. Gates, D.M. Science; 134:

YELLOWSTONE NATIONAL PARK; HOT SPRINGS; INFRARED RADIATION; RADIATION MONITORING; TEMPERATURE GRADIENTS; OLD FAITHFUL GEYSER; THERMAL RADIATION; STEAM; SEASONAL VARIATIONS; SEASONS

00825 IRON CONTENT OF SPHALERITE FROM THE
CENTRAL DISTRICT, NEW MEXICO AND THE BINGHAM DISTRICT, UTAH. Rose, A.W. Econ. Geol.; 56:
No. 8, 1363-84(1961).

SPHALERITE; IRON; SULFIDES; X-RAY FLUORESCENCE ANALYSIS; NEW MEXICO; UTAH; TEMPERATURE MEASUREMENT; PHILPOTTITE; GEOBANOMETR; MINERALS


NEW MEXICO; THERMAL WATERS; GROUND WATER; HYDROLOGY; GEMS; RIVERS; AQUIFERS

00827 GEOLGY OF THE LITTLE ANTLOPE VALLEY
CLAY DEPOSITS, MONO COUNTY, CALIFORNIA.
Cleveland, G.B. Calif. Div. Mines, Geol.,
Special Report 72. Sacramento; USA; Calif.

CASE DIABLO GEOTHERMAL AREA, CALIFORNIA; GEOTHERMAL FIELDS; HOT SPRINGS; HYDROTHERMAL ALTERATION; GEOLOGY

00828 SPRINGS IN THE VICINITY OF SOCORRO, NEW MEXICO.

NEW MEXICO; HOT SPRINGS; HYDROLOGY; GEOLOGY; THERMAL WATERS; CHEMICAL COMPOSITION

00829 GEOLOGY AND HYDROLOGY OF AGUA CALIENTE SPRING, PALM SPRINGS, CALIFORNIA.

GEOLGY; HYDROLOGY; HOT SPRINGS; CALIFORNIA; GEOLOGIC FAULTS; GEOLOGIC DEPOSITS


USA; GEODES; GEM MINERALS; GEMSTONE; HYDROTHERMAL SYSTEMS; GEOLOGY; THERMAL WATERS; CHEMICAL COMPOSITION; SURFACE WATERS; THERMAL WATER; GEOCHEMISTRY; SEDIMENTS; ROCKS; TEMPERATURE; PERMEABILITY; CHLORIDES; SULFATES; STEAMBOAT SPRINGS

00831 GEOLOGY OF THE GEYSERS' THERMAL AREA, CALIFORNIA.

From UN Conference on New Sources of Energy, Rome, Italy (1961).
Hot springs temperature 50°C to boiling point, natural steam temperature 182°C-208°C, enthalpy 669-681 cal/gm. Geysers geothermal field; geology; volcanic regions; hot springs; natural steam; temperature distribution; heat flow; geologic faults; enthalpy; meteoric water


00050 Yellowstone and Grand Teton national parks.

00852 GEOPHYSICAL STUDY OF GEYSER ACTION IN YELLOWSTONE NATIONAL PARK. Nichols, H.R.; Rinehart, J.S. J. Geophys. Res.; 72: No. 16, 4651-4663(1967). YELLOWSTONE NATIONAL PARK;GEYSERS;PERFORMANCE;OLD FAITHFUL GEYSER;NATURAL STEAM;FLUID FLOW;SEISMIC DETECTION;GEOPHYSICAL SURVEYS

00853 CLAY MINERAL FORMATION IN MUD POTS, YELLOWSTONE PARK, WYOMING. Droste, J.B. pp 409-22 of Proceedings of 15th Clay Minerals Conference, Pittsburgh, PA, 1966. London-New York; Pergamon Press (1967). YELLOWSTONE NATIONAL PARK;KAOLIN;ILLITE;MONTMORILLONITE;CLAYS;ROCKS;HYDROTHERMAL ALTERATION;THERMAL WATERS;HOT SPRINGS;SILICON OXIDES;SEDIMENTS;ORIGIN;MINERALIZATION;MINERALS


00855 FIELD TRIP TO THE GEYSERS, SONOMA COUNTY, CALIFORNIA. Koenig, J.B. Annual field trip. Northern Calif. Geol. Soc. (1968). GEYSERS GEOTHERMAL FIELD;HOT SPRINGS;FUMAROLES;THERMAL WATERS;HYDROTHERMAL WELLS;DRILLING;WELL DRILLING;SANDSTONES;GRAYWACCE;BASALT;SHALE;ELECTRIC POWER;GEOLGY


00858 GEOLOGIC AND THERMODYNAMIC CHARACTERISTICS OF THE SALTON SEA GEOTHERMAL SYSTEM. Helgeson, H.C. Reer. J. Sci.; 266: 129-66(1968). Subsurface temperature >300°C at 3000 ft, brine enthalpy at 220-275 cal/gm. SALTON SEA;BRINES;GEOTHERMAL FIELDS;SHALE;GEOLGY;ENTHALPY;HYDROLOGY;HEAT FLOW;CONVECTION;SODIUM CHLORIDES;CALCIUM CHLORIDES;POTASSIUM CHLORIDES;THERMODYNAMIC PROPERTIES;GEOTHERMAL SYSTEMS;SALINITY;SAND;TEMPERATURE MEASUREMENT

00859 GEOCHEMICAL STUDY OF ROCK ALTERATION BY HOT SPRINGS IN THE PAINT POT HILL AREA, YELLOWSTONE PARK. Rajmaheshaya, B.C. Geochim. Cosmochim. Acta; 32: No. 5, 499-522(1968). Rhyolitic country rocks. YELLOWSTONE NATIONAL PARK;HOT SPRINGS;ROCKS;CHEMICAL REACTIONS;CHEMICAL COMPOSITION;GEOCHEMISTRY;HYDROTHERMAL ALTERATION;SULFATES;SULFURIC ACID;SILICON OXIDES;KAOLIN;THERMAL WATERS

00860 MERCURY AND ANTIMONY DEPOSITS ASSOCIATED WITH ACTIVE HOT SPRINGS IN THE WESTERN UNITED STATES. Dickson, F.W.; Tunell, G. pp 1673-1701 of Ore deposits of the United States, 1933-1967, Volume 2. New York; AIME (1968). USA;HOT SPRINGS;GEOTHERMAL MINES;GEOTHERMAL DEPOSITS;MERCURY;ANTIMONY;MERCURY SULFIDES;ANTIMONY SULFIDES;DEPOSITION;CHEMICAL REACTIONS;SILICON OXIDES;CHEMICAL COMPOSITION;THERMAL WATERS;ABUNDANCE


00862 GEYSER ACTIVITY NEAR BEOWAWE, EUREKA COUNTY, NEVADA. Rinehart, J.S. J. Geophys. Res.; 73: No. 24, 7703-6(1968). NEVADA;GEYSERS;FLOW RATE;THERMAL WATERS;TEMPERATURE MONITORING;TIME DEPENDENCE;SEISMIC SURVEYS;PERFORMANCE

00863 ORIGIN OF CO2 IN THE SALTON SEA GEOTHERMAL SYSTEM, SOUTHEASTERN CALIFORNIA, USA;P. Moffles, W.J. pp 165-94 of Proceedings of 23rd International Geological Congress, Prague, Czechoslovakia, Symposium 2. Prague: International Geological Congress (1968). From 23. International Geological Congress, Symposium 2; Prague, Czech. (1968). CALIFORNIA;SALTON SEA;GEOLGY;ROCKS;METAMORPHISM;CHEMICAL REACTIONS;CARBON DIOXIDE;CARBONATES;SEDIMENTS;MINERALS;HYDROTHERMAL ALTERATION;GEOTHERMAL SYSTEMS;DOLOMITE;KAOLIN;CHLORITE MINERALS;CALCITE;CHEMICAL ANALYSIS


00868 HYDROLOGY OF NEogene DEPOSITS IN THE NORTHERN GULF OF MEXICO BASIN. Jones, P.H. Louisiana Water Resources Research Institute bulletin GT-2. Baton Rouge, LA; Louisiana State University (1969). 105p. Research bulletin. GULF OF MEXICO;SHORES;HYDROLOGY;GEOTHERMAL RESOURCES;GEOTHERMAL DEPOSITS;DEPTH;GROUNWATER;SALINITY;CLAYS;SAND;SEDIMENTATION
Geothermal Energy

Geology and sensor USA; Utah Geol. and Mineralog. Surv. symposium. geothermal field, Lake and Sonoma
D.C. geograph. 4 Jun 1970.
and soils Geophys. Rate; Water Resources; Surface (Bibliograph), p. 12.
00899 MAJOR THERMAL SPRINGS OF UTAH. Greer, RESOURCES; SURFACE

00898 GRAVITY ANOMALIES IN CACHE VALLEY, SULFUR ISOTOPE DETERMINATIONS AS A
SULFUR ISOTOPE DISTRIBUTION IN THERMAL ANOMALIES AND GEOLOGIC
SEISMIC REFRACTION PROFILES OF THE ASH

00893 SEISMIC ISOTOPE DISTRIBUTION IN SULFURIC ACID; HOT SPRINGS; GEOCHEMISTRY;
SEISMIC STRATA; FUMAROLES; GEOLOGIC FAULTS; SULFATES; SULFUR; SULFATES;
FUMAROLES; GEOLOGICAL INTERPRETATION. Gawerecki, S.J. pp 11.1-11.76 of Earth resources aircraft

00892 SEISMIC REFRACTION PROFILES OF THE ASH FLow IN THE VALLEY OF TEN THOUSAND SMOKES,
SULFURIC ACID; HOT SPRINGS; GEOCHEMISTRY;
OxIDATION; THERMAL WATERS; CHEMICAL COMPOSITION; ABDUNANCE

00891 INFRARED SURVEY OF THE PISGAR CRATER AREA, SAN BERNARDINO COUNTY, CALIFORNIA —
THERMAL ANOMALIES AND GEOLoGIC FEATURES OF THE MONO LAKE AREA, CALIFORNIA, AS
REVEALED BY INFRARED IMAGERY. Friedman, J.D. pp 10.1-10.30 of Earth resources aircraft program
status review, NASA, Houston, 1968 — Volume 1, Geology, geography, and sensor studies. Houston, TX; Manned Spacecraft Center (1970).

00890 SULFUR ISO TOPE DISTRIBUTION IN SULFURIC ACID; HOT SPRINGS; GEOCHEMISTRY;
OXIDATION; THERMAL WATERS; CHEMICAL COMPOSITION; ABUNDANCE

00889 SULFUR ISOTOPE DISTRIBUTION IN SOLFATARAS, YELLOWSTONE NATIONAL PARK.


00886 THERMAL ANOMALIES AND GEOLoGIC FEATURES OF THE MONO LAKE AREA, CALIFORNIA, AS
REVEALED BY INFRARED IMAGERY. Friedman, J.D. pp 10.1-10.30 of Earth resources aircraft program
status review, NASA, Houston, 1968 — Volume 1, Geology, geography, and sensor studies. Houston, TX; Manned Spacecraft Center (1970).

00885 THERMAL ANOMALIES AND GEOLoGIC FEATURES OF THE MONO LAKE AREA, CALIFORNIA, AS
REVEALED BY INFRARED IMAGERY. Friedman, J.D. pp 10.1-10.30 of Earth resources aircraft program
status review, NASA, Houston, 1968 — Volume 1, Geology, geography, and sensor studies. Houston, TX; Manned Spacecraft Center (1970).

00884 SULFUR ISOTOPE DISTRIBUTION IN SOLFATARAS, YELLOWSTONE NATIONAL PARK.

00883 SULFUR ISOTOPE DISTRIBUTION IN SOLFATARAS, YELLOWSTONE NATIONAL PARK.

00882 CHALLENGE OF THE GEYSERS. Fascia, G.
Field trip to The Geysers, 4 Jun 1970. Anderson, D.N. (comp.). Lafayette, CA; Amer.

00881 FIELD TRIP TO THE GEYSERS GEOTHERMAL FIELD, LAKE AND SONOMA COUNTIES, 4 JUN 1970.


00913  ABNORMAL PRESSURES AND POTENTIAL GEOTHERMAL RESOURCES IN THE RIO GRANDE EMBAYMENT OF TEXAS. Wallace, R.H., Jr. (Geological Survey, Bay St. Louis, Miss. Gulf Coast Hydrosciences Center). pp 87-116 of Proceedings of 2nd Symposium on Abnormal Subsurface Pressure. Baton Rouge; LSU, School of Geosciences and Dept. Pet. Engineering (Jan 1970). GEOTHERMAL RESOURCES;TEXAS;GEOTHERMAL GRADIENTS;GROUND WATER;GEOLIGIC FAULTS;AQUIFERS;HYDROLOGY;GEOLIGY;SEDIMENTS;PRESSURE MEASUREMENT


00916  HYDROTHERMAL EXPLOSION CRATERS IN YELLOWSTONE NATIONAL PARK. Muffler, L.J.P.; White, D.E.; Truesdell, A.H. (Geological Survey, Menlo Park, CA). Geol. Soc. Amer., Bull.: 82: No. 3, 723-40(Mar 1971). WYOMING;GEOLIGIC DEPOSITS;HYDROTHERMAL ALTERATION;GEYSERS;EXPLOSIONS;CRATERS;THERMAL WATERS;HOT SPRINGS;GROUND WATER;GEOTHERMAL FIELDS;YELLOWSTONE NATIONAL PARK;FLASHING;HYDROTHERMAL SYSTEMS


00918  GEOTHERMAL PROSPECTS IN NEW MEXICO. Summers, W.K. Geothermal overviews of the western United States. Davis, California: Geothermal Resour. Counc. (1972). NEW MEXICO;HOT SPRINGS;GEOTHERMAL EXPLORATION;GEOLOGY;HEAT FLOW;GEOCHEMISTRY;RADIOACTIVITY;HYDROLOGY;THERMAL WATERS

00919  GEOTHERMAL EXPLORATION IN REGION 3. pp 9 of Geothermal overviews of the western United States. Davis, California: Geothermal Resource Council (1972). CALIFORNIA;IMPERIAL VALLEY;GEOTHERMAL EXPLORATION;GEOLOGY;GEOPHYSICAL SURVEYS;THERMAL WATERS;GEOTHERMAL RESOURCES

00920  GEOTHERMAL RESOURCES OF COLORADO. Pearl, R.H. (Geol. Surv. Colorado, Denver, CO). Colo. Geol. Surv., Spec. Publ.; No. 2, 1-54(1972). COLORADO;GEOTHERMAL RESOURCES;HOT SPRINGS;REVIEWS;CHEMICAL ANALYSIS;FLOW RATE;TEMPERATURE MEASUREMENT;SPECTROSCOPY


00923  ACTIVE LOW-TEMPERATURE ALTERATION OF ARENACEOUS SANDS IN A NEAR-SURFACE GEOTHERMAL ENVIRONMENT IN THE IMPERIAL VALLEY OF CALIFORNIA. Elders, W.A.; Bird, D. Geol. Soc. Amer., Bull.; 74: No. 7, 616(1973). SAND;SEDIMENTS;IMPERIAL VALLEY;HYDROTHERMAL ALTERATION;PETROLOGY;BRINES;GEOTHERMAL ENERGY;ENVIRONMENTAL EFFECTS;PURISITI;SEDIMENTATION

00924  TECTONIC MAP OF IDAHO FROM ERTS IMAGERY. Day, N.F.; Hall, W.B. Geol. Soc. Amer., Bull.; 5: No. 7, 594(1973). IDAHO;TECTONICS;MAPS;MINERAL RESOURCES;REMOTE SENSING;GEOTHERMAL ENERGY;GEOLIGY

00925  CAVERN DEVELOPMENT BY THERMAL SPRINGS. Egan, H.J. J. Geol. Soc. London: 130: 488(1973). WYOMING;HOT SPRINGS;CAVES;LIMESTONE;EROSION;THERMAL WATERS;SOLVENT PROPERTIES;CHEMICAL COMPOSITION;GYPSUM


00928  CONTEMPORARY TECTONICS AND SEISMICITY OF THE INTERMOUNTAIN WEST. Smith, R.B.; Sbar, M.L. Earthquake Notes; 44: No. 1-2, 39-
YELLOWSTONE NATIONAL PARK; GEYSERS; HOT SPRINGS; GEOLOGY; GEOLOGIC DEPOSITS; CHEMICAL COMPOSITION


00951 ALASKA, ITS POPULATION, INDUSTRIES, AND RESOURCES. Petrov, I. US Dept. Interior, Census Office, 10th US Census; 8: 19-95(1884). ALASKA; HYDROTHERMAL SYSTEMS

00952 YELLOWSTONE NATIONAL PARK. Hague, A. Science; 3: No. 52, 135-6(1884). YELLOWSTONE NATIONAL PARK; GEYSERS; HOT SPRINGS


00954 SOAPING GEYSERS. Hague, A. A.I.M.E., Trans.; 17: 546-555(1889). SOAPING GEYSERS; GEYSERS; YELLOWSTONE NATIONAL PARK

00955 SOAPING GEYSERS. Raymond, R.W. A.I.M.E., Trans.; 17: 449-454(1889). SOAPING GEYSERS; GEYSERS; YELLOWSTONE NATIONAL PARK


00959 SOME CONDITIONS AFFECTING GEYSER ERUPTION. Jaggar, T.A., Jr. Amer. J. Sci.; 5, Ser. 4: 323-33(1898). YELLOWSTONE NATIONAL PARK; GEYSERS; GEOLOGY

00960 OBSERVATIONS ON SOME WEST AMERICAN THERMAL ALGAE. Tilden, J.E. Bot. Gaz. (Chicago); 25: 89-105(1898). YELLOWSTONE NATIONAL PARK; UTAH; OREGON; CANADA; HOT SPRINGS; ALGAE

00961 MINERAL WATERS OF THE UNITED STATES AND THEIR THERAPEUTIC USES. (WITH AN ACCOUNT OF THE VARIOUS MINERAL SPRING LOCALITIES, THEIR ADVANTAGES AND HEALTH RESORTS, MEANS OF ACCESS, ETC. TO WHICH IS ADDED A INDEX OF POTABLE WATERS). Crook, J.K. New York and Philadelphia; USA; Lea Bros. Co. (1899). $4.00; $1.45 (mf). USA; MINERAL SPRINGS; USES; YELLOWSTONE NATIONAL PARK; GEYSERS; HOT SPRINGS; THERMAL WATERS; CHEMICAL COMPOSITION; BALNEOLOGY


00964 (E-74-10467) SATELLITE GEOLOGICAL AND GEOPHYSICAL REMOTE SENSING OF ICELAND. PROGRESS REPORT, 1 SEP 1973-28 FEB 1974. Williams, R.S., Jr. (Geological Survey, Reston, Va. (USA)). 1 Mar 1974. 49p. (NASA-CR-136668). NTIS $5.50; $1.45 (mf). ICeland; GEOLOGY; GEOMORPHOLOGY; GEOPHYSICS; GLACIERS; SNOW; AERIAL MONITORING; SATELLITES; REMOTE SENSING; NAMAFJALL GEOTHERMAL FIELD; GEOLOGICAL SURVEYS; GEOPHYSICAL SURVEYS

00965 INVESTIGATION OF RESOURCES OF NATURAL STEAM AT TATIO. Vergara, R. Rev. Chilo Ing.; No. 308, 14-19 (Nov-Dec 1964). CHILE; FUMAROLES; GEYSERS; HOT SPRINGS; USES; NATURAL STEAM; THERMAL WATERS

00966 INVESTIGATION OF HOT SPRINGS FOR

NEW ZEALAND; HOT SPRINGS; GEOLOGY


00992 THERMAL ACTIVITY IN REYKJANS, ICELAND. Thorkelsson, T.; Visindafelag Islendinga, Rit 3; 52(1928). (In English).

ICELAND; HOT SPRINGS; GEOTHERMAL FLUIDS; RADIUS; ABUNDANCE; CHEMICAL COMPOSITION; GEOLOGIC FAULTS; NITROGEN; OXYGEN; HYDROGEN SULFIDES; CARBON DIOXIDE


HUNGARY; HOT SPRINGS; MINERAL SPRINGS


THERMAL WATERS; FUMAROLES; CALIFORNIA; MERCURY; ABUNDANCE; IMPURITIES


USSR; HOT SPRINGS; MINERAL SPRINGS; GEOLOGY; TECTONICS; ORIGIN; EXPLOITATION; MAPS; CHEMICAL COMPOSITION

00996 SOME ADDITIONAL NOTES ON THERMAL ACTIVITY IN ICELAND. Thorkelsson, T.; Visindafelag Islendinga, Rit 5: 1-31(1930). Analyses of gases, temperature measurements, and activity of hot springs. ICELAND; HOT SPRINGS; THERMAL WATERS; CHEMICAL COMPOSITION; FLOW RATE; TEMPERATURE MEASUREMENT; HEAT TRANSFER


ITALY; HOT SPRINGS; GEOTHERMAL FIELDS; GEOLOGY


ITALY; FUMAROLES; SOLFATARAS; VOLCANOES; IGNEOUS ROCKS; CHEMICAL REACTIONS; HYDROTHERMAL ALTERATION; FUMARIC FLUIDS


LARDERELLO GEOTHERMAL FIELD; FUMAROLES; ITALY; VOLCANIC REGIONS


FIJI; HOT SPRINGS; GEOLOGY


ALEUTIAN ISLANDS; VOLCANOES; HOT SPRINGS; FUMAROLES

01002 GEOLOGIC RESULTS OF NEW DEEP DRILLING IN AUSSIG (BOHEMIA). Muller, B. Firgenwald; 9: No. 4, 129-59(1936).

CZECHOSLOVAKIA; THERMAL WATERS; GEOTHERMAL EXPLORATION; BOREHOLES; GEOLOGY; STRATIGRAPHY; DRILLING

01003 ORIGIN OF SALTON VOLCANIC DOMES, SALTON SEA, CALIFORNIA. Kelly, V.C.; Ososke, J.L. J. Geol.; 44: No. 6, 496-526(1936).

Dry ice manufacture. SALTON SEA; CALIFORNIA; VOLCANOES; GEOLOGIC FAULTS; FUMAROLES; CARBON DIOXIDE;USES; FUMAROLIC FLUIDS


HOT SPRINGS; AUSTRIA; UNITED KINGDOM; CZECHOSLOVAKIA; FRANCE; GERMAN FEDERAL REPUBLIC; HUNGARY; ITALY; PORTUGAL; SPAIN; SWITZERLAND; YUGOSLAVIA; GREECE; ICELAND; TURKEY


HUNGARY; MINERAL SPRINGS; TECTONICS; GEOLOGY; HYDROLOGY; CARBON DIOXIDE; pH VALUE


NEW ZEALAND; HOT SPRINGS; MINERAL SPRINGS; GEOLOGY


ITALY; VOLCANOES; GEOLOGY; LAVA; GEOTHERMAL FIELDS


ICELAND; GEYSERS


ITALY; HOT SPRINGS; TECTONICS; GEOCHEMISTRY; ORIGIN; THERMAL WATERS; VOLCANOES


BRAZIL; HOT SPRINGS; ORIGIN


JAPAN; HOT SPRINGS; FLOW RATE; TIDE; EARTH ATMOSPHERE; PRESSURE DEPENDENCE; VARIATIONS; CORRELATIONS


BULGARIA; HOT SPRINGS; THERMAL WATERS; CHEMICAL COMPOSITION

VENUEZUELA; HOT SPRINGS; ORIGIN; THERMAL WATERS; CHEMICAL COMPOSITION; MINERAL SPRINGS


01015 ADDITIONAL EVIDENCE ON THE RELATION OF TEMPERATURE TO STRUCTURE IN THE SALT CREEK OIL FIELD, NATRONA COUNTY, WYOMING. Van Orstrand, C.E. Geophysics; 5: No. 1, 47-56 (1940).


01021 GEYSERS AND GEYSER THEORIES. Barth, T.W. Naturen Arq.; 65: No. 7-8, 193-209 (1941).


01024 MINERAL SPRINGS OF IXTAPAN. Mancera, G. Ciencia (Mexico); 4: No. 2-3, 70-71 (1943).


01028 LHASA SHEET. Map No. H-46.


01034 TSANGSU SHEET. Map No. H-45.


01036 PHYSIC-GEOGRAPHIC SKETCH OF ICELAND WITH SPECIAL CONSIDERATION OF VOLCANIC PHENOMENA. Von Waltershausen, W.S. Ruprecht (reprint). Göttingen, Germany; F.R. Germany; Vandenhoeck (1847).


01038 OUTLINE OF THE GEOLOGY OF NEW ZEALAND, BY OFFICERS OF THE GEOLOGICAL SURVEY. Ongley, M. Wellington, N.Z.; New Zealand; Harry H.
GEOTHERMAL ENERGY


01080 BORON-CONTAINING Fumaroles of tUScany. Echo Mines Met.; No. 3479, 223-5(1955). Fumarolic Fluids; Hot Springs; Geothermal Power Plants; Boric Acid; Vapors; Fumaroles; Natural Steam; Italy; Chemical Composition.


01083 SUBterraneAN Heat in Kirishima District, KAGOSHIMA Prefecture. Chishitsu


01108 WHITE ISLAND. Sanders, C.A.I. New Zealand Alpine J.; 17: No. 44. 99-106 (1957).


ASSOCIATED TYPES OF THERMAL WATERS. (Evanov, V.V.; Geokhimia; 3, 473-85(1958).
USSR; FUMAROLIC FLUIDS; SOLEFATARAS; THERMAL WATERS; VOLCANIC REGIONS; SODIUM CHLORIDES; GROUND WATER; SULFATES; CHEMICAL COMPOSITION; THERMODYNAMICS; HYDROLOGY; MAGMA; HYDROTHERMAL SYSTEMS


JAPAN; HOT SPRINGS; WATER RESOURCES; THERMAL WATERS; USES; SALTS; RECOVERY; FLOW RATE; TEMPERATURE GRADIENTS; THERMODYNAMICS; THERMAL ENERGY; MAGMA; CHEMICAL COMPOSITION; CHLORINE; ABUNDANCE; HYDROTHERMAL SYSTEMS; ENTHALPY


USSR; GEOTHERMAL FIELDS; ROCKS; GEOLOGIC STRATA; TEMPERATURE DISTRIBUTION; DEPTH


JAPAN; GEOTHERMAL RESOURCES; TUFF; GRANITES; ELECTRIC POWER; POWER GENERATION; GROUND WATER; HOT SPRINGS


JAPAN; GEOLOGICAL SURVEYS; MAPS; VOLCANIC ROCKS; HOT SPRINGS; NATURAL STEAM; GEOLOGY


WAIRAKEI GEOTHERMAL FIELD; GROUND WATER; NATURAL STEAM; CARBON 14; CARBON DIOXIDE; TRACER TECHNIQUES; HYDROLOGY


JAPAN; GEOLOGICAL SURVEYS; NATURAL STEAM; THERMAL WATERS; CHEMICAL COMPOSITION; FUMAROLIC FLUIDS; ELECTRIC POWER GENERATION; GROUND WATER; THERMAL WATERS; CHEMICAL COMPOSITION; ELECTRIC POWER GENERATION


FUMAROLIC FLUIDS; GEYSERS; HOT SPRINGS; CHILE; HYDROTHERMAL SYSTEMS; GEOLoGIC DEPOSITS; THERMAL WATERS; CHEMICAL COMPOSITION


THE BROADLANDS GEOTHERMAL FIELD; HOT SPRINGS; ORIGIN; GEOLOGY; HEAT FLOW; TECTONICS; WAIPATAPU GEOTHERMAL FIELD


NICARAGUA; GEOTHERMAL RESOURCES; HOT SPRINGS; VOLCANIC RESOURCES; GEOTHERMAL POWER PLANTS; THERMAL WATERS; CHEMICAL COMPOSITION; GEOLOGY; TECTONICS


NEW ZEALAND; GEOLOGY; GEOLOGIC DEPOSITS; METAMORPHISM; HYDROTHERMAL ALTERATION; ZEOLITES; CHEMICAL COMPOSITION; SILICATES; ABUNDANCE; HYDROTHERMAL SYSTEMS; DISTRIBUTION; LITHOLOGY; GEOLOGIC DEPOSITS; QUARTZ


NEW ZEALAND; VOLCANIC REGIONS; GEOLOGY; ROCKS; HYDROTHERMAL ALTERATION; CHEMICAL COMPOSITION; HOT SPRINGS; THERMAL WATERS; FUMAROLIC FLUIDS


JAPAN; GEYSERS; GEOTHERMAL FIELDS; CHEMICAL COMPOSITION; SULFURIC ACID; VOLCANOES; GEOCHEMISTRY


ICELAND; VOLCANOES; GEOTHERMAL ENERGY; USES


USSR; GEOTHERMAL FIELDS; HYDROTHERMAL SYSTEMS; FUMAROLIC FLUIDS; CHEMICAL COMPOSITION


PHILIPPINES; HOT SPRINGS; MINERAL SPRINGS


JAPAN; HOT SPRINGS; GEOLOGICAL SURVEYS; GEOPHYSICAL SURVEYS; THERMAL WATERS; FLOW RATE; HYDROLOGY; GEOLOGY; TEMPERATURE MEASUREMENT; VOLCANIC REGIONS


BULGARIA; GEOTHERMAL RESOURCES; HOT SPRINGS; GEOTHERMAL ENERGY; POWER POTENTIAL; NITROGEN; CARBON; METHANE


WAIRAKEI GEOTHERMAL FIELD; GROUND WATER; THERMAL WATERS; MAGMA; CHEMICAL COMPOSITION; ELECTRIC POWER GENERATION


WAIRAKEI GEOTHERMAL FIELD; GEOLOGY; POWER GENERATION; GEOTHERMAL ENERGY; ELECTRIC POWER; ELECTRICITY; HOT-WATER SYSTEMS


ICELAND; GEOTHERMAL EXPLORATION; GEOTHERMAL RESOURCES; USES; SPACE HEATING; GREENHOUSES; GEOCHEMISTRY; GEOPHYSICAL SURVEYS; REVIEWS;
GEOTHERMAL ENERGY

01146 TAKINOUE GEOTHERMAL REGION, IWA.


01155 GEOLGY IN ICELAND. Thorarinsson, S.; Tryggvason, S. Geol. Times; 4: No. 6, 8-10(1960).


01157 GEOLOGICAL INVESTIGATIONS, SAMPLING AND
01168 RATES OF DISCHARGE OF HEAT ENERGY FROM THE PRINCIPAL HOT SPRINGS IN LOCALITIES IN HOKKAIDO, JAPAN. Fukutomi, T., Hokkaido Univ. Fac. Sci. J., Geophys., 1: No. 5, Ser. 7, 315-301 (1961). JAPAN;HOT SPRINGS;HEAT;ENERGY YIELD


01170 POSSIBLE SOURCES OF GEOTHERMAL ENERGY IN THE REPUBLIC OF MEXICO. Blasquez L.L. Mex. Univ. Nac. Inst. Geol., Bol.; No. 61, 39-46(1961). MEXICO;GEOTHERMAL RESOURCES;THERMAL WATERS;NATURAL STEAM;PATH OF GEOTHERMAL FIELD;GEOTHERMAL GRADIENTS;GEOTHERMAL WELLS;HOT SPRINGS

01171 PHYSICAL CHARACTERISTICS OF NATURAL HEAT RESOURCES IN ICELAND. Bodvarsson, G. Joekull (Reykjavik): 11: 29-30(1961). ICELAND;GEOTHERMAL RESOURCES;VOLCANIC REGIONS;SEISMIC SURVEYS;HOT SPRINGS;GEOTHERMAL GRADIENTS;NATURAL VOLCANIC ROCKS;ENTHALPY;HEAT TRANSFER;GEOTHERMAL EXPLORATION;POWER POTENTIAL;GEOLOGICAL SURVEYS;GEOPHYSICAL SURVEYS

01172 GEYSERS, SOLFATARAS AND SPRINGS OF THE RANGE OF SAN ANDRES, MICHOLACAN. Blasquez L.L., L. Mex. Univ. Nac. Inst. Geol., Bol.; No. 61, 1-37(1961). MEXICO;VOLCANIC REGIONS;GEYSERS;SOLFATARAS;HOT SPRINGS;THERMAL WATERS;TEMPERATURE MEASUREMENT;FLOW RATE;CHEMICAL COMPOSITION;GEOTHERMAL RESOURCES;GEOLOGICAL SURVEYS


01175 UNDERGROUND HEAT SOURCES IN THE CENTRAL CAUCASUS FORELAND REGION. Kremtov, A.I. Sov. Geol.; No. 1, 139-8(1961). USSR;THERMAL WATERS;GROUND WATER;USES;EXPLORATION;TEMPERATURE MEASUREMENT;PHYSICAL PROPERTIES;CHEMICAL PROPERTIES

01176 RELATION OF THERMAL FIELD OF WEST SIBERIAN LOWLAND TO TOPOGRAPHY OF PRE-JURASSIC BASEMENT. Koshyakov, V.A. Geol. Nefti Gaza; 5: No. 3, 39-44(Jan 1961). USSR;TOPOGRAPHY;GEOTHERMAL FIELDS;HYDROLOGY;GEOLOGIC STRATA


- JAPAN;THERMAL WATERS;HOT SPRINGS;GEOLGY;VOLCANIC ROCKS;CHEMICAL COMPOSITION;CHLORINE;HYDROCARBONS;SALT;BROMINE;TUFF

01179 SUPPLY OF HEAT FROM THE EARTH'S INTERNAL HEAT VIA THERMAL WATERS. Szebenyi, L. Magy. Geofiz.; 3: No. 1-2, 92-7(1962). HUNGARY;HEAT FLOW;THERMAL WATERS;HEAT TRANSFER;GEOTHERMAL GRADIENTS


01184 UNDERGROUND WATER IN EAST GIPPSLAND. Jenkin, J.J. Underground Water Investigation Report No. 6. Unknown; Victoria Geol. Surv. (1962). 16p. AUSTRALIA;ARTESIAN BASINS;THERMAL WATERS;TEMPERATURE MEASUREMENT;BIOREDOLES;COAL;SULFIDES;OXIDATION;CARBONACEOUS MATERIALS

01185 ECONOMIC GEOLOGY OF D'ANTSIRABE PREFECTURE, MALAGASY REPUBLIC. Besarel, H. Unknown; Malagasy Repub. Serv. Geol. Rap. Ann. (1962). 136p. MADAGASCAR;ROCKS;SEDIMENTS;GRAPHITE;MINERALS;RADIOACTIVE MINERALS;QUARTZ;TALC; SMASL;LIMESTONE;CLAYS;HOT SPRINGS;CARBON DIOXIDE;THERMAL WATERS;MINERAL RESOURCES

01186 GEOLOGY AND THERMAL WATERS OF GOJOJIKI HOTSPRING AREA, FUKUSHIMA PREFECTURE. Nakamura, H.; Suzuki, T.; Maeda, K. Chishitsu Chosasso Geppo; 13: No. 4, 329-32(1962). JAPAN;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;VOLCANIC REGIONS;GEOLGY;FISSURES;CHLORIDES;HYDROCARBONS;TEMPERATURE MEASUREMENT;GEOLGY

01187 KUL'IDAR THERMAL SPRINGS. Bogatkov, E.M. Sov. Geol.; No. 4, 167-61(1962). USSR;THERMAL WATERS;GEOTLOGIC FAULTS;FLOW RATE;TEMPERATURE MEASUREMENT;ORIGIN;GROUND WATER;ARGON;NITROGEN;ABUNDANCE;QUANTITY RATIO;THERMAL WATERS;CHEMICAL COMPOSITION

01188 SECONDARY QUARTZITES. Onikinovskiy, V.V. Sov. Geol.; No. 4, 53-62(1962). FUMAROLLES;SOLFATARAS;VOLCANIC REGIONS;MINERALIZATION;USSR;QUARTZ;THERMAL ALTERATION;SILICATES;ALUMINIUM SILICATES;METAMORPHIC ROCKS
USES; POWER POTENTIAL; SODIUM CARBONATES; CARBONATES; SODIUM; SULFUR; BOREHOLE HOLE; TUFF; CHEMICAL COMPOSITION; SANDSTONES


CALIFORNIA; GEOTHERMAL WELLS; THERMAL WATERS; BRINE; CHEMICAL COMPOSITION; MINERALS; ABUNDANCE; METALS; COPPER; SILVER; PRECIPITATION; DEPTH; TEMPERATURE MEASUREMENT; ROCKS; METAMORPHISM; HYDROTHERMAL ALTERATION; MAGMATIC WATER; BOREHOLES


NEW ZEALAND; HYDROTHERMAL ALTERATION; ROCKS; LAKES; THERMAL WATERS; FLASHING; SOILS; CHEMICAL ANALYSIS; WAIOTAPU; GEOTHERMAL FIELD; GEOLOGY


Geologic model, ICELAND; GEOTHERMAL RESOURCES; HEAT STORAGE; THERMAL WATERS; BOREHOLES; PERMEABILITY; BASALT; SEDIMENTARY ROCKS; REVIEWS; POWER POTENTIAL; FLOW MODELS


JAPAN; HOT SPRINGS; FLUID FLOW; ATMOSPHERIC PRECIPITATION; GROUND WATER; FLOW RATE; MAGMATIC WATER; MIXING; SEAWATER


Average temperature 97.5°C. JAPAN; VOLCANIC REGIONS; VOLCANIC WATERS; THERMAL WATER; RADIOACTIVITY; SOILS; ANALYSIS; WAIOTAPU; GEOTHERMAL FIELD; GEOLOGY


KENYA; GEYSERS; NATURAL STEAM; GEOLOGY; VULCANIC REGIONS; VOLCANIC ROCKS; MAPS; PETROLOGY; GEOTHERMAL RESOURCES; STRATIGRAPHY; MINERAL RESOURCES; LITHOLOGY


ITALY; HYDROLOGY; GEOLOGY; SHORES; TEMPERATURE MEASUREMENT; GROUND WATER; GEOPHYSICAL SURVEYS


ITALY; ISLANDS; HYDROLOGY; GEOLOGY; GEOTHERMAL EXPLORATION; GROUND WATER; CHEMICAL PROPERTIES; PHYSICAL PROPERTIES


USSR; GEYSERS; VARIATIONS


NEW ZEALAND; GEOTHERMAL EXPLOREATION; GEOLOGICAL SURVEYS; THERMAL WATERS; HYDROTHERMAL ALTERATION; GEOLOGIC STRATA; AQUIFERS; WAIOTAPU GEOTHERMAL FIELD; GEOLOGY


KENYA; GEYSERS; NATURAL STEAM; GEOLOGY; VULCANIC REGIONS; VOLCANIC ROCKS; MAPS; PETROLOGY; GEOTHERMAL RESOURCES; STRATIGRAPHY; MINERAL RESOURCES; LITHOLOGY


ITALY; GEOTHERMAL SYSTEMS; VOLCANIC REGIONS; GEOTHERMAL ENERGY


ITALY; HYDROLOGY; GEOLOGY; SHORES; TEMPERATURE MEASUREMENT; GROUND WATER; GEOPHYSICAL SURVEYS

01222 BRIEF CONSIDERATIONS ON FLOW, HEAT AND CHEMICAL COMPOSITION OF ITALIAN HOT SPRINGS. Yuhara, K. Ann. Geofis. (Rome); 16: No. 1, 139-50 (1963).

ITALY; HYDROTHERMAL SYSTEMS; VOLCANIC REGIONS; VOLCANIC WATER; CHEMICAL COMPOSITION; FLOW; TEMPERATURE; GEOCHEMISTRY

01223 CONSIDERATIONS ON FLOW, HEAT AND CHEMICAL COMPOSITION OF ITALIAN HOT SPRINGS. Yuhara, K. Ann. Geofis. (Rome); 16: No. 1, 139-50 (1963).

ITALY; HYDROTHERMAL SYSTEMS; VOLCANIC REGIONS; VOLCANIC WATER; CHEMICAL COMPOSITION; FLOW; TEMPERATURE; GEOCHEMISTRY


NEW ZEALAND; GEOTHERMAL FIELD; HEAT; ENERGY YIELD


USSR; GEYSERS; VARIATIONS


NEW ZEALAND; GEOTHERMAL FIELD; HEAT; ENERGY YIELD


PACIFIC OCEAN; VOLCANIC REGIONS; THERMAL WATERS; VOLCANOES; BIBLIOGRAPHIES; THERMAL WATERS; USES; MINERAL RESOURCES; WATERS AND VOLCANIC REGIONS; GEOLOGY; GEOCHEMISTRY; ROCKS; HYDROTHERMAL ALTERATION; CHEMICAL REACTIONS; GEOTHERMAL FLUIDS; CHEMICAL COMPOSITION; GEYSERS

01228 CONSIDERATION OF THE ORIGIN OF THE HOT WATERS OF TAMAGAWA HOT SPRING, AKITA


01266  THERMAL WATERS; NATURE; ARTEZIAN BASINS; THERMAL ENERGY; HYDROTHERMAL SYSTEMS.


01280  CONNECT ORIGIN PROPOSED FOR HOT SALTY BOTTOM WATER FROM A RED SEA BASIN. Neumann, A.C.; Chave, K.E. Nature (London); 206: No. 4991. 1346-7 (1965).


USSR; THERMAL WATERS; CHEMICAL COMPOSITION;
GROUND WATER; HOT SPRINGS; HYDROLOGY; GEOLOGY

01287 HEAT FLOW AT DEPTH IN THE KOLKHA

USSR; GEOPHYSICAL SURVEYS; HEAT FLOW; ROCKS;
THERMAL CONDUCTIVITY; CORRELATIONS; DENSITY

01288 THERMAL POWER OF THE INTERPAROXYSMAL

USSR; VOLCANOES; FUMAROLIC FLUIDS; ENERGY YIELD;
HEAT FLOW

01285 SOME NEW DATA ON GEOTHERMAL
CHARACTERISTICS AND THERMAL PHYSICAL PROPERTIES OF PRECAMBRIAN TO PALEOZOIC AND MESOZOIC-
CENOZOIC SEDIMENTS OF GREATER CAUCASUS AND CIS-

USSR; GEOTHERMAL GRADIENTS; HEAT FLOW; ROCKS;
HEAT; ENERGY YIELD; THERMAL CONDUCTIVITY

01290 SEISMIC WAVE VELOCITY MEASUREMENTS IN
SPECIMENS OBTAINED FROM MATSUKAWA GEOTHERMAL

MATSUKAWA GEOTHERMAL FIELD; IGNEOUS ROCKS;
SEDIMENTARY ROCKS; ELASTICITY; DATA; DENSITY;
PURITY; SEISMOLOGICAL SURVEYS; PROPAGATION;
SEISMIC SURVEYS; RELIABILITY; GEOTHERMAL EXPLORATION;
MAGNETIC SURVEYS; GRAVITY SURVEYS; ELECTRICAL SURVEYS

01291 GEOLOGICAL STRUCTURE OF HYDROTHERMAL

USSR; GEOTHERMAL FIELDS; GEOLOGY; EXPLORATION;
HYDROTHERMAL SYSTEMS


NEW ZEALAND; VOLCANOES; HYDROTHERMAL ALTERATION; VOLCANIC ROCKS; GEOTHERMAL WELLS;
GEOTHERMAL WATERS

01293 GEOTHERMAL CHARACTERISTICS OF EMBR

USSR; GEOTHERMAL FIELDS; BOREHOLES; GEOTHERMAL GRADIENTS

01294 GEOTHERMAL CONDITIONS IN LEAD ZINC

USSR; TEMPERATURE DISTRIBUTION; THERMAL
CONDUCTIVITY; LEAD; ZINC ORES; POLYMETALLIC ORES;
OXIDATION

01295 EFFECTS OF PRE-PALEOZOIC BASEMENT ON
THERMAL STATE OF SEDIMENTARY ROCKS IN WEST

USSR; GEOLOGY; GEOLOGIC STRATA; GEOTHERMAL
FIELDS; HEAT FLOW; SEDIMENTARY ROCKS; GEOTHERMAL
GRADIENTS

01296 THERMAL FIELDS OF THE BOL'SHOYE
SEMILYACHIK VOLCANIC MASSIF. Aver'yev, V.V.;

USSR; HYDROTHERMAL SYSTEMS; CHEMICAL COMPOSITION; GEOLOGY; NATURAL STEAM; GEOTHERMAL RESOURCES; POWER POTENTIAL; THERMAL WATERS; HEAT; ENERGY YIELD; GEOTHERMAL FIELDS

01297 GEOCHEMICAL STUDY ON HOT SPRINGS IN

JAPAN; HOT SPRINGS; GEOCHEMISTRY; CHEMICAL
COMPOSITION; pH VALUE; SALTS; METEORIC WATER;
THERMAL WATERS

01296 GEOCHEMICAL STUDY ON HOT SPRINGS IN

JAPAN; HOT SPRINGS; VOLCANIC REGIONS; THERMAL
WATERS; FLOW RATE; pH VALUE; TEMPERATURE GRADIENTS;
GEOLOGICAL SURVEYS

01299 GEOThERMAl INDEXES OF THE BUKHARA--

USSR; ARTESIAN BASINS; GEOLOGY; HYDROLOGY;
TEMPERATURE DISTRIBUTION; THERMAL WATERS; ROCKS

01300 EXPLORATION OF OTAKE STEAM FIELD.

OTAKE GEOTHERMAL FIELD; GEOPHYSICAL-surveys;
Fumaroles; Electrical surveys; Magnetic Surveys; Gravity Surveys; Radioactivity; Hydrothermal alteration; Geologic fissures; Rocks; Zones


USSR; VOLCANIC REGIONS; SOULFATARAS; THERMAL WATERS

01302 HYDROTHERMAL ACTIVITY OF GOLOVUNIA

USSR; FUMAROLLES; HOT SPRINGS; THERMAL WATERS;
CHEMICAL COMPOSITION; HYDROTHERMAL SYSTEMS

01303 GEOPHYSICAL STUDIES CARRIED OUT AT

Andesites; Utake GEOTHERMAL FIELD; JAPAN;
GEOPHYSICAL SURVEYS; BOREHOLES; HYDROTHERMAL ALTERATION; VOLCANIC ROCKS; GEOTHERMAL WELLS; GEOLOGIC FISSURES

01304 PRELIMINARY THEORY OF THE WAIAREKI

WAIAREKI GEOTHERMAL FIELD; HYDROLOGY; PRESSURE DROP; HYDROTHERMAL ALTERATION; HEAT FLOW; FLUID FLOW

01305 GEOCHEMISTRY OF THE NGAWHA HYDROTHERMAL

NEW ZEALAND; HOT SPRINGS; CHEMICAL COMPOSITION;
THERMAL WATERS; GEOCHEMISTRY; GEOTHERMAL FIELDS;
GEOCHEMICAL SURVEYS

01306 RELATION OF SOME ENDOCENE AND EXOCENE
FACTORS FORMING THE TOPOGRAPHY OF THE
MENDELEYEVA VOLCANO. Kalishevich, O.K.;
Nikol'skaya, V.V. Moskov. Obshch. Isp. Prirody Byull., Otdel. Geol.; 41: No. 1, 157-
01307 ENERGY AND GEOLOGY OF ENERGY SOURCES. Ippolito, F. Univ. Naples 1st Geol. Appl., Mem. Note; 9: No. 6, 230(1966). GEOFISICA;GENERAL PHYSICS;GEOTHERMAL ENERGY;PETROLEUM;COAL; HYDROELECTRIC POWER;GEOMORPHOLOGY;FISSILE MATERIALS;ENERGY SOURCES


01312 WAIRAKITE IN JAPAN (1). Seki, Y. Jap. Assoc. Miner., Petrol., Econ. Geol. J.; 55: No. 6, 254-61(1966). JAPAN;VOLCANIC ROCKS;HYDROTHERMAL ALTERATION;D ILL CORES;TUFF;FELSIC STONES;INCLUSIONS;ZEOLITES; WAIRAKITE;EPIDOTES

01313 WAIRAKITE IN JAPAN (2). Seki, Y. Jap. Assoc. Miner., Petrol., Econ. Geol. J.; 56: No. 1, 30-9(1966). JAPAN;HYDROTHERMAL ALTERATION;GEOTHERMAL GRADIENTS;MINERALOGY;METAMORPHISM;VOLCANIC ROCKS;PRESSURE DEPENDENCE;STABILITY;MAGMA; WAIRAKITE;METAMORPHIC ROCKS;THERMAL WATERS


01316 SPRINGS IN HUNGARY. Papp, F. Geol.; 15: No. 4-5, 555-685(1966). (Hungarian, English, and Russian summaries). HUNGARY;GROUND WATER;GEOLGY;TEMPERATURE MEASUREMENT;CHEMICAL COMPOSITION;WATER RESOURCES;HYDROLOGY


01321 GEOTHERMAL FEATURES OF A REGION OF RECENT VOLCANISM (ILLUSTRATED BY KAMCHATKA). Poljak, B.G. Moscow: USSR; Izdatel'stvo "Nauka" (1966). 180p. USSR;VOLCANIC REGIONS;GEOTHERMAL RESOURCES;HOT SPRINGS;BRINES;ICECAPS;EARTH CRUST;HEAT FLOW;GEOPHYSICS;HYDROLOGY


01323 GEOLOGICAL REPORT ON IBUSUKI DISTRICT, KAGOSHIMA PREFECTURE. Ota, R. Chishitsu Res. Servo Org., Minist. Econ. Affairs (1967). JAPAN;GEOTHERMAL RESOURCES;GEOPHYSICAL SURVEYS;GEOTHERMAL FIELDS


01325 HYDROGRAPHIC OBSERVATIONS OF THE RED SEA BRINES. Muns, R.G.; Stanley, R.J.; Denmore, C.D. Nature (London); 214: No. 5094, 1215-17(1966). RED SEA;BRINES;REDDENING;OXYGEN;TEMPERATURE GRADIENTS


01327 VARIETIES OF DEEP THERMAL WATERS MANIFESTED IN THE COURSE OF EXPLORATORY DRILLING FOR OIL AND GAS. Akserov, A.G.; Durmish'yen, A.G. pp 175-7 of Regional geothermy and distribution of thermal water in USSR. Moscow: Izdatel'stvo Nauka (1967). USSR;VOLCANIC REGIONS;GEOTHERMAL RESOURCES;HOT SPRINGS;BRINES;ICECAPS;EARTH CRUST;HEAT FLOW;SPACE HEATING;AQUIFERS;GEOTHERMAL ENERGY

01328 HOLE SPRINGS;PETROLEUM;COAL;META-MORPHIC ROCKS;HYDROTHERMAL ALTERATION;NEW ZEALAND;ZEOLITES;FELSIC STONES;MINERALES;DRILL CORES;DRILLING;PETROLEOLOGY
MINERALS; SOLUBILITY; ION EXCHANGE; CHEMICAL COMPOSITION; HYDROTHERMAL ALTERATION; PH VALUE; DISSOLUBILITY; POTASSIUM COMPOUNDS; RUBIDIUM COMPOUNDS; MAGNESIUM COMPOUNDS; FLUORINE COMPOUNDS; SILICON OXIDES; AMMONIA; ANIONS: CATIONS

TANZANIA: HOT SPRINGS; ORIGIN; MONTMORILLONITE; METEORIC WATER; GEOCHEMICAL SURVEYS; HYDROLOGY

NEW ZEALAND: THERMAL WATERS; CHEMICAL COMPOSITION; GERMANIUM; MOLYBDENUM; COPPER; ZINC; VOLCANIC REGIONS; HYDROTHERMAL ALTERATION; WAIAREKI GEOThERMAL FIELD; DRILL CORES; JAPAN: ABUNDANCE

UKRAINIAN SSR: BOREHOLES; GEOThERMAl GRADIENTS; HEAT FLOW; LITHOLOGY

USSR: THERMAL WATERS; TEMPERATURE MEASUREMENT; GEOLOGY

VOLCANIC ROCKS; MINERALIZATION; SULFIDES; MAGMA; HYDROTHERMAL SYSTEMS; USSR: BASALT; LAVA; PYRITES; CHEMICAL COMPOSITION; IGNEOUS ROCKS; CHEMICAL ANALYSIS

USSR: BOREHOLES; TECTONICS; THERMAL WATERS; GROUND WATER; GEOThERMAl GRADIENTS

KENYA: KENYA GEOTHERMAL AREA; VOLCANIC REGIONS; CARBON DIOXIDE; LAVA

POLAND; CZECHOSLOVAKIA; HEAT FLOW; GEOThERMAl GRADIENTS

USSR: THERMAL WATERS; VOLCANOES; THERMAL WATERS; GEOThERMAl ENERGY

USSR: THERMAL WATERS; EXPLOITATION; GROUND WATER; GEOThERMAl ENERGY; CHEMICAL COMPOSITION; AQUIFERS; HYDROLOGY

01360 GEOTHERMAL INVESTIGATIONS IN KAZAKHSTAN AND UTILIZATION OF THERMAL WATERS. Zheveznov, V.V. Regional'naya geotermiya i rasprostraneniye Termal'nykh vod v SSSR. Moscow: Soveshchh. Geoterm. Issled. SSSR, 2nd, Tr. (1967).
USSR: THERMAL WATERS; EXPLOITATION; GEOThERMAl SYSTEMS; HEAT FLOW; HYDROLOGY

RED SEA: THERMAL WATERS; BRINES; GEOThERMAl ENERGY; ORIGIN

USSR: THERMAL WATERS; GEOThERMAl CONDITIONS; GEOThERMAl GRADIENTS; LITHOLOGY; THERMAL WATERS

USSR: MINERAL SPRINGS; GEOThERMAl SURVEYS; TECTONICS; GEOThERMAl GRADIENTS; GEOLOGY; THERMAL WATERS

USSR: GEOThERMAl SURVEYS; TECTONICS; GEOThERMAl GRADIENTS; LITHOLOGY; GEOLOGY

USSR: ARTESIAN BASINS; THERMAL WATERS; TECTONICS; GROUND WATER; GEOThERMAl GRADIENTS

JAPAN; FUMAROLES; HOT SPRINGS; VOLCANIC REGIONS; GEOThERMAl SURVEYS; GEOLOGY; THERMAL WATERS; NATURAL STEAM; GEOThERMAl SURVEYS; MATAUSKA GEOThERMAl FIELD

USSR: THERMAL WATERS; HEAT FLOW; HYDROTHERMAL SYSTEMS; THERMAL WATERS; THERMAL PUMPS; LITHOLOGY; TECTONICS; ROCKS; PHYSICAL PROPERTIES; FLUID FLOW; GEOPHYSICS; HYDROLOGY

USSR: THERMAL WATERS; MINERALsprings; USSR: CHEMICAL COMPOSITION; ELECTRIC POWER; BALNEOLOGY; NITROGEN;
GEOThERMAL ENERGY


CZECHOSLOVAKIA: HOT SPRINGS; THERMAL WATERS; RADIOACTIVITY; CHEMICAL COMPOSITION; CARBON DIOXIDE


JAPAN: MAGNETIC SURVEYS; PACIFIC OCEAN; HEAT FLOW; GEOPHYSICAL SURVEYS


USSR: THERMAL WATERS; FLOW RATE; GEOTHERMAL RESOURCES; POWER POTENTIAL; GEOTHERMAL ENERGY; HEAT; ENERGY YIELD; RESERVES


USSR: GEOTHERMAL GRADIENTS; HEAT FLOW; GEOPHYSICAL FAULTS; HOT SPRINGS; THERMAL WATERS; NITROGEN; CHEMICAL COMPOSITION; TEMPERATURE MEASUREMENT; PHYSICAL PROPERTIES


USSR: THERMAL WATERS; BOREHOLES; GEOPHYSICAL SURVEYS; DATA


USSR: GEOTHERMAL FIELDS; VARIATIONS; MAPS; PETROLEUM DEPOSITS; TEMPERATURE DISTRIBUTION; CORRELATIONS


USSR: GEOTHERMAL SYSTEMS


Recharge from meteoric and magmatic waters, heat supply, and magmatic emanations. INDIA: HOT SPRINGS; GEOTHERMAL GRADIENTS; METEORIC WATER; MAGMATIC WATER; HEAT FLOW


USSR: GEOPHYSICAL SURVEYS; BOREHOLES; WELL LOGGING; DATA

01399 GEOLOGICAL VOYAGE IN THE REPUBLICS OF GUATEMALA AND EL SALVADOR. SCIENTIFIC MISSION TO MEXICO AND IN CENTRAL AMERICA. Dollius, A.; De Montserrat, E. Paris; France; Imprimerie Imperiale (1868). 539p.

EL SALVADOR; GUATEMALA; FUMAROLES; VOLCANOES; HOT SPRINGS; GEOLOGY


See NASA-SP--7042.

USSR; HOT SPRINGS; THERMAL WATERS; GEOTHERMAL EXPLORATION


Water temperatures from 20 to 135°C. USSR; ARTESIAN BASINS; GEOTHERMAL EXPLORATION; TEMPERATURE DISTRIBUTION; PRESSURE GRADIENTS; ENTHALPY; SALINITY; BRINES; SAND; SODIUM CHLORIDES; CALCIUM CHLORIDES; POTASSIUM CHLORIDES; CHEMICAL COMPOSITION; THERMOodynamic PROPERTIES


SALTON SEA; GEOLOGY; GEOTHERMAL SYSTEMS; TEMPERATURE DISTRIBUTION; PRESSURE GRADIENTS; ENTHALPY; SALINITY; BRINES; SAND; SODIUM CHLORIDES; CALCIUM CHLORIDES; POTASSIUM CHLORIDES; CHEMICAL COMPOSITION; THERMO Dynamic PROPERTIES


GROUND WATER; WATER RESOURCES; USCS; ECONOMICS; THERMAL WATERS; BROMINE; IODINE; RECOVERY; GEOTHERMAL RESOURCES


ICELAND; GEOTHERMAL FIELDS; GEOTHERMAL EXPLORATION; GEOLOGY; HYDROLOGY; HOT SPRINGS; BASALT; GEOLOGIC FAULTS; GROUND WATER; HEATING; METEORIC WATER; GEOTHERMAL SURVEYS


TURKEY; THERMAL WATERS; HOT SPRINGS; NATURAL STEAM; ELECTRIC POWER; BALNEOLOGY; GEOTHERMAL RESOURCES; USES

JAPAN; THERMAL WATERS; MINERALS; USES.

GEOTHERMAL RESOURCES; HOT SPRINGS; GEOTHERMAL EXPLORATION; GEOTHERMAL GRADIENTS; MATSUKAWA GEOTHERMAL FIELD; TAKA GEOTHERMAL FIELD.

01407 GENERAL ASPECTS OF THERMAL ACTIVITY IN ICELAND.


LARDERELLO GEOTHERMAL FIELD; HYDROTHERMAL SYSTEMS; GEOCHEMICAL SURVEYS; HYDROLOGY; GEOLGY.

GEOTHERMAL EXPLORATION; GEOTHERMAL WELLS.


LARDERELLO GEOTHERMAL FIELD; HYDROTHERMAL SYSTEMS; GEOCHEMICAL SURVEYS; HYDROLOGY; GEOLGY; GEOTHERMAL EXPLORATION; GEOTHERMAL WELLS.

01409 HIGH TEMPERATURE THERMAL AREA IN ICELAND.


GEOTHERMAL FIELDS; ICELAND; GEOLOGICAL SURVEYS; GEOCHEMICAL SURVEYS; HYDROLOGY; GEOLGY.


LARDERELLO GEOTHERMAL FIELD; TECTONICS; GROUND WATER; CRATERS; EXPLOSIONS; POROSITY; THICKNESS.


From 22. International Geological Congress; New Delhi, India (1964).
India; HOT SPRINGS; THERMAL WATERS; CHEMICAL COMPOSITION; TEMPERATURE GRADIENTS; GECHEMISTRY.

01412 SULFIDE MINERALIZATION IN A BROADLANDS GEOTHERMAL DRILL HOLE, TAUPO VOLCANIC ZONE, NEW ZEALAND. Brewer, P.R.L. Econ. Geol. 64: No. 2, 156-9(1965).

BASE-METAL SULFIDES. BROADLANDS GEOTHERMAL FIELD; BOREHOLES; MINERALIZATION; SULFIDES; ROCKS; NEW ZEALAND; DEPOSITS; MINERALS.


RED SEA; BRINES; TEMPERATURE GRADIENTS; SALINITY; THERMAL WATERS; GEOTHERMAL RESOURCES; SAMPLING; OCEANOGRAPHY; GEOLGY; SEEDIMENTS; STRATIFICATION.


RED SEA; BRINES; TEMPERATURE GRADIENTS; LAYERS; STRATIFICATION; SEAWATER; THERMAL WATERS; SALINITY; GEOLGY; OCEANOGRAPHY; EXPLORATION; DIFFUSION.


NORTH AMERICA; HEAT FLOW; RADIOACTIVITY; VOLCANIC REGIONS; ZONES.


JAMAICA; HOT SPRINGS; CHEMICAL COMPOSITION; THERMAL WATERS; GEOLGY.


Book. RED SEA; GEOTHERMAL FLUIDS; BRINES; ROCKS; STRATIGRAPHY; TOPOGRAPHY; GRAVITATIONAL FIELDS; GEOMAGNETIC FIELD; GEOLOGICAL SURVEYS; WATER; SEDIMENTS; CHEMICAL COMPOSITION; TEMPERATURE MEASUREMENT; RADIOACTIVITY; GEOLGY.


RED SEA; BRINES; TEMPERATURE DISTRIBUTION; TEMPERATURE GRADIENTS.


RED SEA; BRINES; SEDIMENTS; MINERALS; THERMAL WATERS; MAGNETIC PROPERTIES; TEMPERATURE DEPENDENCE.


RED SEA; BRINES; EXPLORATION; REVIEWS; THERMAL WATERS.


RED SEA; BRINES; THERMAL WATERS; EXPLORATION.


RED SEA; TEMPERATURE GRADIENTS; BRINES; SEDIMENTS; HEAT TRANSFER.


RED SEA; BRINES; TEMPERATURE DISTRIBUTION; SALINITY; FLUID FLOW; EVAPORATION.


RED SEA; SUSPENSIONS; BRINES; LAYERS; THERMAL WATERS.


ROMANIA; HOTT SPRINGS; MINERAL SPRINGS; GROUND WATER; CHEMICAL COMPOSITION; MEDICINE; RADIOACTIVITY; FLOW RATE; THERMAL WATERS; PROSPECTING

01443
MINERAL AND THERMAL WATERS OF SPAIN.


SPAIN; HOTT SPRINGS; MINERAL SPRINGS; TECTONICS; THERMAL WATERS; FLOW RATE

01444
MINERAL SPRINGS OF SWITZERLAND.


UNITED KINGDOM; MINERAL SPRINGS; HOT SPRINGS; THERMAL WATERS; METEORIC WATER

01446


USSR; THERMAL WATERS; MINERAL SPRINGS; NATURAL STEAM; GEOTHERMAL EXPLORATION; GEOTHERMAL ENERGY; POWER POTENTIAL; VOLCANIC REGIONS; GEOTHERMAL RESOURCES; PROSPECTING

01447
MINERAL AND THERMAL WATERS OF CYCLOW.


AFRICA; THERMAL WATERS; MINERAL SPRINGS; GELOGY; HYDROLOGY; GROUND WATER

01448
MINERAL AND THERMAL WATERS OF INDIA.


INDIA; THERMAL WATERS; MINERAL SPRINGS; METEORIC WATER; MAGMATIC WATER

01449
THERMAL AND MINERAL SPRINGS OF SOUTH VIET NAM.


SOUTH VIETNAM; THERMAL WATERS; MINERAL SPRINGS; GEOTHERMAL EXPLORATION; DISTRIBUTION; CHEMICAL COMPOSITION; TEMPERATURE MEASUREMENT; TECTONICS; GEOL O GIC FAULTS; BASALT

01450
THERMAL SPRINGS OF TURKEY.


TURKEY; GEOTHERMAL RESOURCES; HOT SPRINGS; MINERAL SPRINGS; GEOTHERMAL ENERGY; POWER POTENTIAL

01451
THERMAL AND THERMO-MINERAL SPRINGS OF THE CONGO DEMOCRATIC REPUBLIC.


ZAIRE REPUBLIC; THERMAL WATERS; HOT SPRINGS; MINERAL SPRINGS; GEOL O GY; CHEMICAL COMPOSITION; EXPLOITATION; USES

01452
THERMAL SPRINGS OF MALAWI.


MALAWI; THERMAL WATERS; CHEMICAL COMPOSITION; TABLES; GEOL O GIC FAULTS; HOT SPRINGS

01453
MINERAL AND THERMAL WATERS OF RWANDA.


CENTRAL AFRICAN REPUBLIC; HOT SPRINGS; MINERAL SPRINGS

01454
THERMAL WATERS OF SWAZILAND.


AFRICA; HOT SPRINGS; GRANITES; FLOW RATE; TEMPERATURE DISTRIBUTION

01455
SPRINGS OF DEEP SEATED ORIGIN IN TANZANIA.


TANZANIA; HOT SPRINGS; BRINES; GEOTHERMAL ENERGY; GEOLOGY

01456
MINERAL AND THERMAL WATERS OF TUNISIA.


TUNISIA; THERMAL WATERS; MINERAL SPRINGS; GEOTHERMAL ENERGY; METEORIC WATERS; MAGMATIC WATERS; VOLCANIC REGIONS; RESEARCH; PROSPECTING
01490 SUBSURFACE STRUCTURES AND RELATION TO

BROADLANDS GEOTHERMAL FIELD; NEW ZEALAND; STRATIGRAPHY; AGE ESTIMATION; GRAYWACKE; GEOLoGICAL FAULTS; STEAM LAYERS; HYDROTHERMAL SYSTEM; EXPLORATION; GEOLOGY; AQUIFERS

01491 RESULT OF THE PRELIMINARY GEOLOGICAL INVESTIGATION OF NATURAL STEAM FIELDS IN INDONESIA. Zen, M.T. (Bandung Institute of Technology, Indonesia); Rodja, V.T. Geothermics; No. 2, 130-5(1970).

GEOThermal ENERGY; HYDROTHERMAL SYSTEMS; NATURAL STEAM; GEOTHERMAL EXPLORATION; GEOLOGICAL SURVEYS; GEOLOGY; INDONESIA; HOT SPRINGS; STRATIGRAPHY; GEOLoGICAL FAULTS; GEOTHERMAL RESOURCES


300-700°C; permeable volcanic rock; AIR; SUPERHEATING; VOLCANIC ROCKS; PETROLOGY; CONVECTION; ISLANDS; PACIFIC OCEAN; LAVA; FRACTURES; VOLCANOES; HEAT TRANSFER

01493 RELATIONSHIPS OF GEOThermal CONDITIONS TO STRUCTURAL AND HYDROGEOLOGICAL FEATURES IN THE BOCCAMONFIA REGION (NORTHERN CAMPANIA, ITALY). Barbier, E.; Burgaschi, P.D. (CNR, Istituto Internazionale per le Ricerche Geotermiche, Pisa, Italy); Calamai, A.; Cataldi, R.; Cerom, P. Geothermics; No. 2, 603-10(1970).

GEOThermal FIELDS; GEOLOGY; GEOCHEMICAL SURVEYS; GEOPHYSICAL SURVEYS; GRAVITATIONAL FIELDS; ELECTRICAL SURVEYS; TEMPERATURE GRADIENTS; DRILLING; HEAT TRANSFER; IGNEOUS ROCKS; HYDROLOGY; ITALY


MINERALS; DRILL CORES; PERMEABILITY; FELDSPARS; STEAM; NEW ZEALAND; BOREHOLEs; EXPLORATION; DRILL COREs; BROADLANDS GEOTHERMAL FIELD; HYDROTHERMAL ALTERATION; GEOLOGICAL SURVEYS


Monitoring of water loss using gravimeter; WAIRAIKE GEOTHERMAL FIELD; NEW ZEALAND; AQUIFERS; LOSSES; GRAVITATIONAL FIELDS; MONITORING; GRAVIMETRY; ENVIRONMENTAL EFFECTS; GEOTHERMAL FLUIDS; GROUND WATER; LEVELS; MASS TRANSFER; FLUID FLOW


PERMEABILITY; AQUIFERS; FRACTURES; HEAT TRANSFER; HYDROTHERMAL SYSTEMS; NATURAL STEAM; GEOLoGy; IGNEOUS ROCKs; HYDRODYNAMICS; TEMPERATURE MEASUREMENT; PRESSURE MEASUREMENT; GEOTHERMAL FIELDS; PRODUCTION; GEOTHERMAL WELLS; SCALE: LIFETIME; MEXICO


HOT SPRINGS IN WASHINGTON; THERMAL WATERS; CHEMICAL COMPOSITION; GROUND WATER; CARBON DIOXIDE; CALCIUM; GEOTHERMAL RESOURCES; GEOCHEMICAL SURVEYS


From Geology, geography, and sensor studies; Houston, TX (1970).

YELLOWSTONE NATIONAL PARK; REMOTE SENSING; GEOPHYSICAL SURVEYS; GEOLOGY; ROCKs; TECTONICS; MAPS; GEOLOGICAL SURVEYS


HYDROLOGY; GEOLOGY; STRATIGRAPHY; WATER; LEVELS; HYDROTHERMAL SYSTEMS; ICELAND; GEOTHERMAL WELLS


GEOTHERMAL FIELDS; GEOLOGY; DISTRIBUTION; MAGMA; HOT SPRINGS; LAVA; IGNEOUS ROCKs; JAPAN; VOLCANOES; PETROLOGY


GEOTHERMAL FIELDS; VOLCANOES; JAPAN; THERMAL WATERS; FUMAROLES; CHEMICAL COMPOSITION; GROUND WATER; HOT SPRINGS; Eruption; Steam; Calcium Chlorides; Sulfates; Carbonates; GEOTHERMAL RESOURCES; HYDROTHERMAL SYSTEMS


Power potential of geothermal areas under the Red Sea; RED SEA; VOLCANIC REGIONS; GEOTHERMAL RESOURCES; THERMAL WATERS; STEAM; POWER POTENTIAL; ELECTRIC POWER


GEOTHERMAL FIELDS; TEMPERATURE DISTRIBUTION; RIVERS


YELLOWSTONE NATIONAL PARK; HOT SPRINGS; LIMESTONE; THERMAL WATERS; ISOTOPE RATIO; DEPOSITION; TRAVETINE; CA12; SULFUR; CARBON DIOXIDE; CARBONATE; GEOTHERMAL RESOURCES; GEOCHEMICAL SURVEYS

01505 RADIOGENIC HEAT PRODUCTION IN


MELTING; HEAT; GEOLoGIC DEPOSITS; ROCKS


USSSR; THERMAL REGIONS; GEOTHERMAL FIELDS; GEOTHERMAL APPLICATION; NATURAL GAS; GEOLoGIC DEPOSITS; ABUNDANCE; 2xFLUORIDE; HYDROCARBONS; TEMPERATURE DEPENDENCE


CARIBBEAN SEA; ATLANTIC OCEAN; HEAT FLOW; TECTONICS


USSSR; EARTH CRUST; THICKNESS; VOLCANOES; TECTONICS; GEOLoGY


USSSR; THERMAL REGIONS; GEOTHERMAL FIELDS; GEOTHERMAL RESOURCES; ROCKS; GRoUND WATER; EARTH CRUST


AFRICA; SHORES; GEOTHERMAL FIELDS; GEOLoGY; BASALT; TECTONICS; GEOTHERMAL RESOURCES


USSSR; NOT SPRINGS; GEOLoGIC DEPOSITS; VOLCANIC REGIONS; CHEMICAL COMPOSITION; TECTONICS; MINERALIZATION; MINERALS; CHLORIDES; CARBONATES; SULFATES; IRON HYDROXIDES; IRON SULFATES; THERMAL WATERS


USSSR; VOLCANIC ROCKS; HYDROTHERMAL ALTERATION; MINERALS; MONTMOBRILLIONITE; CHLORITE MINERALS; SYNTHESIS; THERMAL WATERS; CHEMICAL COMPOSITION; MINERALIZATION; MAGNESIUM SULFATES; CALCIUM SULFATES; CARBONATES; TUFF; ZEOLITES; EPIDOTES; ANHYDRITE; SILICON OXIDES; DIFFERENTIAL THERMAL ANALYSIS; QUARTZ


USSSR; VOLCANIC ROCKS; HYDROTHERMAL ALTERATION; MINERALS; MICA; CHLORITE MINERALS; MONTMOBRILLIONITE; QUARTZ; CALCITE; ZEOLITES; APATITES; SYNTHESIS; CHEMICAL COMPOSITION; THERMAL WATERS; MINERALIZATION; CALCIUM SILICATES; ALUMINIUM SILICATES; TITANIUM SILICATES


BRITISH COLUMBIA; THERMAL WATERS; GALENA; PYRITES; MINERALS; GEOLoGIC FAULTS; CHEMICAL COMPOSITION; CHLORINE; ZINC; EXPLOITATION; SPHALERITES; LIMESTONE


USSSR; GEOTHERMAL SYSTEMS; HEAT FLOW


USSSR; GEOTHERMAL EXPLORATION; GEOTHERMAL RESOURCES

01517 HEAT FIELDS AND DEEP STRUCTURE IN THE EASTERN CARPATHIANS. Kutus, R.I.; Gordiyenko, V.V. Geofiz. Sb.; No. 35, 70-7(1970).

USSSR; GEOTHERMAL RESOURCES; HEAT FLOW; GEOLoGY


JAPAN; VOLCANIC REGIONS; FUMAROLes; FUMAROLIC FLUIDS; TEMPERATURE MEASUREMENT; VOLCANOES; Gdils; ROCKS; GEOTHERMAL ENERGY


JAPAN; VOLCANIC REGIONS; GEOTHERMAL EXPLORATION; GEOTHERMAL FIELDS


JAPAN; VOLCANIC REGIONS; GEOTHERMAL SYSTEMS


USSSR; THERMAL WATERS; GEOLoGIC DEPOSITS; TEMPERATURE DISTRIBUTION; CHEMICAL COMPOSITION; MINERALIZATION; GEOTHERMAL ENERGY; USES; ECONOMICS; GEOTHERMAL RESOURCES


KENYA; GEOLoGIC FAULTS; VOLCANIC REGIONS; GEOLoGY


USSSR; VOLCANIC REGIONS; GEOTHERMAL EXPLORATION; GEOTHERMAL FIELDS; GEOTHERMAL RESOURCES; HYDROLOGY


ICELAND; IGNEOUS ROCKS; GRANITES; BASALT; THERMAL WATERS; GEOLoGY; PETROLOGY; MAGMA


USSSR; THERMAL WATERS; BRINES; LEAD; BOREHOLES; ADSORPTION; LEAD CHLORIDES; PH VALUE; HYDROCHLORIC ACID; DISSOLUTION


01529 HYDROGRAPHIC OBSERVATIONS ON THE RED SEA BRINES INDICATE A MARKED INCREASE IN TEMPERATURE. Brewer, P.G.; Wilson, J.R.S.; Murray, J.W.; Munns, R.G.; Densoore, C.D. Nature (London); No. 259, 37-41(1971). (RED SEA; BRINES; TEMPERATURE MEASUREMENT; THERMAL WATERS)


01533 STRUCTURAL LOCALIZATION OF QUATERNARY VOLCANOES IN SOUTH KAMCHATKA. Steinberg, G.S. (Soc. Gen. France; U.S.A.; Izdatel'stvo 'Nedra' (1972). 364p. (In Russian)(URSS; GEOFILMS; MAGMA; GEOLOGIC FAULTS; EARTH CRUST; VOLCANOES; BASALT; LAYERS)

01534 LIMNOLOGY OF SWEETGANGA, A THERMAL SPRING OF BAKRESWAR, WEST BENGAL, INDIA. Jana, B.D.; Sarkar, H.L. (Dep. Zool., Visva-Bharati Univ., Santiniketan, India). Hydrobiologia; No. 1, 31-40(1971). (INDIA; HOT SPRINGS; THERMAL WATERS; CHEMICAL COMPOSITION; FLANKTON; ALGAE; CALCIUM CARBONATES; CHLORIDES; NITRATES; PHOSPHATES; SILICATES; PH VALUE; LIMNOLOGY)

01535 RESULTS OF GEOPHYSICAL STUDIES ON THE PARATUNKA GEOTHERMAL DEPOSITS. Denisik, V.A.; Zaytsev, I.M. Geol. Geofiz.; No. 7, 92-100(1971). (In Russian with English summary). (RUSSIA; HYDROTHERMAL SYSTEMS; GEOPHYSICAL SURVEYS; ELECTRICAL SURVEYS; SEISMIC SURVEYS; BOREHOLES; WELL LOGGING; TECTONICS; TEMPERATURE DISTRIBUTION; WELL LOGGING)


01539 HYDROGEOLOGICAL SURFACE AND SUBSURFACE REGIME IN THE EASTERN CAUCASUS FORELAND REGION. Sergiyenko, S.I. Moscow; USSR; Akad. Nauk SSSR, Nauch. Sovet Geoterm. Issled.-Inst. Geol. (1971). 152p. (RUSSIA; HYDROTHERMAL SYSTEMS; HYDROLOGY; GEOTHERMAL RESOURCES; GROUND WATER; GEOTHERMAL GRADIENTS; TEMPERATURE DISTRIBUTION; GEOTHERMAL RESOURCES; HEAT FLOW)

01540 MICROEARTHQUAKES IN THE AHAUCHAPAN GEOTHERMAL FIELD, EL SALVADOR, CENTRAL AMERICA. Ward, P.L.; Jacob, H.N. Science; No. 399, 328-330(1971). (EL SALVADOR; GEOTHERMAL FIELDS; MICROEARTHQUAKES; GEOLOGIC FAULTS)

01541 RELATION BETWEEN HEAT FLOW AND TECTONICS IN THE APACHE RIDGE. Ovastatov, S.T.; Tamrazyan, G.P. Sov. Geol.; No. 2, 106-113(1971). (RUSSIA; HYDROTHERMAL SYSTEMS; THERMAL WATERS; GROUND WATER; GEOTHERMAL GRADIENTS; VOLCANIC ROCKS; THERMAL WATERS; GEOLOGY; GEOCHEMISTRY)

01542 DIRECT OBSERVATIONS OF COLUMNAR SCATTERING ASSOCIATED WITH GEOTHERMAL GAS BUBBLING IN THE BAY OF PLENTY, NEW ZEALAND. Glasby, G.P. (Dept. of Sci. and Ind. Res., Wellington, New Zealand. Oceanographic Inst.). New Zealand Journal of Marine and Freshwater Research; 5: No. 3-4, 463-466(Dec 1971). (NEW ZEALAND; THERMAL WATERS; SULFATES; GROUND WATER; GEOLOGY; GEOCHEMISTRY; MICROCHEMISTRY; AQUIFERS; GEOTHERMAL RESOURCES; GROUND WATER; GEOTHERMAL GRADIENTS; THERMAL WATERS; GEOLOGY; LITHOLOGY)

01543 HYDROGEOLOGY OF THE USSR. VOLUME 29, KAMCHATKA, AND THE KURIL AND KOMANDORSKIE ISLANDS. Sidorenko, A.V. (ed.). Moscow; USSR; Izdatel'stvo 'Nedra' (1972). 364p. (RUSSIA; HYDROTHERMAL SYSTEMS; THERMAL WATERS; GEOLOGY; GEOCHEMISTRY; MICROCHEMISTRY; AQUIFERS; THERMAL WATERS; GEOTHERMAL RESOURCES; GROUND WATER; THERMAL WATERS; GEOCHEMISTRY; HYDROTHERMAL SYSTEMS; THERMAL WATERS; GEOLOGY; LITHOLOGY)

01544 HYDROTHERMAL ROCK ALTERATION IN TAKENYYU GEOTHERMAL AREA, KUMAMOTO PREFECTURE, JAPAN. Takashima, M. (Geol. Surv. Japan, Tokyo, Japan). Chishita Chausoo Geppo; No. 5, 37-41(1971). (JAPAN; HYDROTHERMAL ROCKS; CHEMICAL COMPOSITION; KAOLIN; MONTMORILLONITE; MINERALS; METAMORPHIC ROCKS; ALNITE)
01545 \textbf{GEOTHERMIC FIELD OF THE CAUCASUS}
USSR;GEOTHERMAL FIELDS;PETROLEUM;HEAT FLOW;TEMPERATURE DISTRIBUTION;PHYSICAL PROPERTIES;TEMPERATURE DEPENDENCE;GEOPHYSICAL SURVEYS

01546 \textbf{FORMATION OF MERCURY DEPOSITS FROM MAGMATIC GASES.} Schroeckh, H. Aufschluss; 23: No. 5, 139-43(1972).
ITALY;MERCURY;GEODETIC DEPOSITS;GEOTHERMAL SYSTEMS;MAGMA;GASES;MONTEN AMIATA GEOTHERMAL FIELD

NEW ZEALAND;GEOTHERMAL EXPLORATION;GEOPHYSICAL SURVEYS;BORDEHOLES;ELECTRICAL SURVEYS;LITHOLOGY;STRATIGRAPHY;VOLCANOES;GEOCOLGICAL SURVEYS

01548 \textbf{GEOTHERMAL RESOURCE INVESTIGATIONS, IMPERIAL VALLEY, CALIFORNIA.} Washington, DC; USA; US Dept. Interior, Bureau of Reclamation (Jan 1972).
57p.
BRINES;IMPERIAL VALLEY;FLASHING;STEAM;POWER GENERATION;RESERVOIR;CGT;GROUND SUSTENCE;GEOTHERMAL RESOURCES;BY-PRODUCTS;COLORADO RIVER

GEOTHERMAL RESOURCES;USES;GEOLOGY;GROUND WATER;TEMPERATURE;DEEP DRILLING;FILL;HEAT TRANSFER;FLUID FLOW;MASS TRANSFER;VOLCANIC REGIONS;GEOMORPHOLOGY;TEMPERATURE DEPENDENCE;GEOTHERMAL GRADIENTS;DEPT;GEOTHERMAL ENERGY;USES;GEOLOGY;GROUND WATER;HEAT FLOW;MINERALS;MINERALIZATION;DATA;TECTONICS;HYDROLOGY;GEODYO

INDIA;HOT SPRINGS;FUMAROLES;THERMAL WATERS;TECTONICS;GEOSYNDILES;TEMPERATURE MEASUREMENT

01551 \textbf{GEOLICAL ASPECTS OF THERMAL WATER OCCURRENCES IN HUNGARY.} Kurin, K. (Research Inst. for Water Resources Development, Budapest, HU). Geothermics (Italy); 1: No. 3, 96-103(Sep 1972).
HUNGARY;GEOTHERMAL RESOURCES;THERMAL WATERS;BOREHOLES;SAND;SANDSTONES;GEOLY;TECTONICS;SEDIMETATION

HEAT TRANSFER;FLUID FLOW;MASS TRANSFER;THERMAL WATERS;WATER;WAIKAREKI GEOTHERMAL FIELD;EQUATIONS;HEATING

GEOTHERMAL RESOURCES;USSR;GROUND WATER;THERMAL WATERS;AQUIFERS;GEOLY;BOREHOLES;GREENHOUSES;BUILDINGS;HEATING;HYDROTHERMAL SYSTEMS

TAIWAN;HOT SPRINGS;THERMAL WATERS;FLOW RATE;MEDIUM TEMPERATURE;PH VALUE;CHEMICAL COMPOSITION;SODIUM COMPOUNDS;MAGNESIUM COMPOUNDS;CALCIUM COMPOUNDS;CHLORIDES;SULFATES;SILICON OXIDES;CARBONATES;ENERGY YIELD;GEOTHERMAL RESOURCES

JAPAN;GEOTHERMAL FIELDS;MINERALS;THERMODYNAMIC PROPERTIES;CHEMICAL PROPERTIES;ZEDLITES;OPTICAL PROPERTIES

GEOTHERMAL RESOURCES;USES;GEOLOGY;GROUND WATER;HEAT FLOW;MINERALS;MINERALIZATION;DATA;TECTONICS;HYDROLOGY;GEODYO

CALIFORNIA;MICROEARTHQUAKES;SEISMOLGY;GEOTHERMAL ENERGY;THERMAL WATERS;EXPLOSION;GEOTHERMAL FIELDS

USSR;GROUND WATER;THERMAL WATERS;GEOTHERMAL GRADIENTS;DEPTH;GEOTHERMAL ENERGY;USES;GEODYO;HYDROLOGY;CHEMICAL COMPOSITION

ICELAND;REMOTE SENSING;GEODYO;HYDROLOGY;OCEANOGRAPHY;AGRICULTURE;GEOPHYSICAL SURVEYS;IMAGES;VOLCANIC REGIONS;GEOMORPHOLOGY;EXPLORATION;SATELLITES;GLACIERS;ATLANTIC OCEAN;GEOLICAL SURVEYS

HNGARY;GEOTHERMAL RESOURCES;THERMAL WATERS;BOREHOLES;SAND;SANDSTONES;GEOLY;TECTONICS;SEDIMETATION

USSR;GROUND WATER;THERMAL WATERS;CHEMICAL COMPOSITION;GEOTHERMAL RESOURCES;USES

USSR;GEODYOLOGIC DEPOSITS;PETROLEUM;THERMAL

01564 SUSPENDED MATERIAL IN THE HYDROTHERMAL BRINES OF THE ATLANTIS II DEEP. Hartmann, M. (Univ. Kiel, Kiel, Ger.). Geol. Rundsch.; 62: No. 3, 742-54(1973). IRON;MANGANESE; COPPER;ZINC;BRINES; SUSPENSIONS;SULFIDES;CHEMICAL COMPOSITION


01566 DISTURBING EFFECT OF GAS BANKS ON A GEOTHERMAL FIELD WITH A STEADY FLOW OF SUBSURFACE WATERS. Kortenshteyn, V.N. Int. Geol. Rev.; 15: No. 3, 365(1973). USSR;GEOTHERMAL FIELDS;DISTURBANCES;NATURAL GAS;GROUND WATER;FLUID FLOW

01567 DETAILED TEMPERATURE STRUCTURE OF HOT BRINES IN ATLANTIS II DEEP AREA (RED SEA). Schoell, M.; Hartmann, M. (Bundesanstalt fur Bodenkorschung, Hanover, W. Ger.). Marine Geology; 14: No. 1, 1-14(Jan 1973). RED SEA;BRINES;TEMPERATURE DISTRIBUTION; THERMAL WATERS

01568 THERMAL ANOMALIES IN LANZAROTE (CANARY ISLANDS). Arane, V. (Dept. Petrology and Geochemistry, Univ. Madrid, Spain); Ortiz, R. (Dept. Physics of the Cosmos); Yugeiro, J. (Dept. Theriology). Geothermics; 2: No. 2, 73-5(Jan 1973). THERMOMETERS;TEMPERATURE MEASUREMENT;THERMAL WATERS;TECTONICS;FRACTURES;HEAT TRANSFER; GEOTHERMAL RESOURCES;VOLCANIC ROCKS;GEOTHERMAL FISSIONS;FUMAROL;GEOTHERMAL GRADIENTS;SPAIN

01569 POSITIVE HEAT FLOW ANOMALY IN THE CARPATHIAN BASIN, BOLDIZSAR, T. (Univ. H-3515 Miskolc-Egyetemvaros, Hungary). Geothermics; 2: No. 2, 61-7(Jun 1973). HEAT FLOW;HUNGARY;TEMPERATURE MEASUREMENT;TEMPERATURE GRADIENTS;GEOTHERMAL EXPLORATION;GEOTHERMAL RESOURCES;MAPS;GEOTHERMAL FISSIONS;FUMAROL;GEOTHERMAL GRADIENTS;SPAIN

01570 TEMPERATURE REGIME OF THE UPPER LAYERS OF THE EARTH CRUST AND USSR GEOTEMPERATURE MAPS. Frolov, N.M. (Nation). Geothermics; 2: No. 2, 60-72(Jun 1973). USSR;GEOGRAPHY;MAPS;AQUIFERS;VARIATIONS;GEOTHERMAL GRADIENTS;TEMPERATURE DISTRIBUTION;HEAT TRANSFER;EARTH CRUST

01571 TEMPERATURE INVERSIONS IN GEOTHERMAL SYSTEMS. Bodvarsson, G. (Oregon State Univ., Corvallis). Geoevolution; 11: No. 3, 141-9(Sep 1973). GEOTHERMAL FIELDS;BOREHOLES;GEOTHERMAL EXPLORATION;GEOTHERMAL FISSIONS;TEMPERATURE DISTRIBUTION;TEMPERATURE MEASUREMENT;THERMAL WATERS;HYDROTHERMAL ALTERATION;ICELAND

GEOTHERMAL EXPLORATION AND EXPLORATION TECHNOLOGY


In Circum-Pacific Energy and Mineral Resources Conference.

Chile;Pacific Ocean;Tectonics;Geologic Deposits;ores;origin;Mineral Resources;metals;Mineralization;Geothermal Resources


Geothermal Fields;Iceland;Earthquakes;Geologic Fissures;Tectonics;Surfaces;Deformation;Waikarei Geothermal Field;Permeability;Aquifers;Correlations

01585 GEOTHERMAL FIELDS IN INDIA EXPLORED FOR POWER GENERATION. Geothetis: 3; No. 5, 124-5(Sep 1974).

India;Geothermal Exploration;Geothermal Fields;Natural Steam;Hot-Water Systems;Aquifers;Well Drilling;Geothermal Resources


Philippines;Hot Springs


Philippines;Hot Springs;Thermal Waters;Chemical Composition


New Zealand;Hot Springs;Thermal Waters;Chemical Composition


Australia;Hot Springs


Colorado;Volcanoes;Fumaroles;Fumarolic Fluids;Rocky Sea;Chemical Analysis;Temperature Measurement


New Zealand;Hot Springs;Fumaroles;Geyser;Solfatara;Geology


Africa;Hot Springs;Thermal Waters;Temperature Measurement;Flow Rate;Europe;Asia;North America;South America;Data


New Zealand;Hot Springs;Rocks


New Zealand;Hot Springs


Costa Rica;Nicaragua;El Salvador;Guatemala;

Hot Springs


Philippines;Hot Springs;Thermal Waters;Chemical Composition


Mexico;Hot Springs;Geothermal Fields;Hot Springs;Geology

GEOTHERMAL EXPLORATION AND EXPLORATION TECHNOLOGY

REFER ALSO TO CITATION(S) 30, 45, 52, 133; 167, 193, 208, 213, 218, 241, 255, 413, 461, 473, 482, 484, 543, 544, 550, 553, 563, 740, 919, 1063, 1408, 1483, 2796, 2867, 2908, 2978


Well Logging;Computers;Digital Systems


Geothermal Power Plants;Bores;Geothermal Wells;Heat Exchangers;Design;Idaho;Research Programs;Well Drilling


From Conference on research for development of geothermal energy resources; Pasadena, California, USA (23 Sept 1974).

Geothermal Energy;Research Programs;Nevada;Geothermal Exploration;Geological Surveys;Geophysical Surveys;Geoechemical Surveys;Geothermal Power Plants;Binary Cycles;Methylpropene;Design;Planning;Cost

Page 83
01602 (PB--218830) EXPLORATION AND
EXPLOITATION OF GEOTHERMAL RESOURCES IN ARID
AND SEMIARID LANDS, A LITERATURE REVIEW AND
SELECTED BIBLIOGRAPHY. (Arizona Univ., Tucson
(USA)). 1973. 119p. NTIS: $5.45; $9.95
(ef).
DESERTS;GEOTHERMAL RESOURCES;BIBLIOGRAPHIES;
REVIEWS;GEODRILLING;GEOTHERMAL SURVEYS;GEOPHYSICAL SURVEYS;
ELECTRICAL SURVEYS;GEOTHERMAL RESOURCES;GEOLOGY;GEOTHERMAL
ENERGY;ECONOMICS;GEOTHERMAL FIELDS;PLANTS;ELECTRIC POWER;
GEOTHERMAL FIELDS;GEOCHEMISTRY;GEOTHERMAL RESOURCES;
GEOLOGY;DEVICES;COMPUTER PROGRAMS;ELECTRICAL SURVEYS;
SPACE HEATING;DESALINATION;PLANNING;GEOTHERMAL
EXPLORATION;USA

01603 GEOTHERMAL ENERGY: GEOLOGY,
EXPLORATION AND DEVELOPMENTS. PARTS 1 AND 2.
Italy, N.P. pp 214-16 of
Nglish
F. pp 204-7 of UN
(Bibliography), p. 19.
Guyod,
METHODS;
Italy
vp(1947).
SurveY
Lyubimova,
102p.(1955).
FLOW
Tuy!,
(1961).
Y.A.
Energy;
No.3,
Sources
Energy;
(1961).
No. 17, 140(1964).
pp 490-499 of Proceedings of
F.M.; Levings, W.S. Sch. Mines
Cherry,
GEOTHERMAL
STEAM FOR POWER IN NEW
ZENALD. Grange, L.I. Bull. N. Z. Dept.
NEW ZENALD;WARAKEYI GEOTHERMAL FIELD;
BOREHOLES;HYDROTHERMAL ALTERATION;EQUIPMENT;
NATURAL STEAM;WELL DRILLING

01610 GEOTHERMAL STEAM FOR POWER IN NEW
ZENALD. Grange, L.I. (comp.). Bulletin
117, Wellington, New Zealand; New Zealand;
102p.
NEW ZENALD;WARAKEYI GEOTHERMAL FIELD;
VOLCANIC ROCKS;GEOPHYSICAL SURVEYS;HYDROTHERMAL
ALTERATION;GEOTHERMAL FLUIDS;GEODEMY;HEAT
FLOW;VOLCANIC REGIONS

01611 HISTORIC SALTON SEA AND IMPERIAL
IRRIGATION DISTRICT. Imperial Irrigation
District; Public Information Office (1960).
32p.
CALIFORNIA;SALTON SEA;GEOTHERMAL EXPLORATION;
REVIEWS

01612 PRINCIPLES IN EXPLORING A GEOTHERMAL
FIELD. Sato, K. Butsuri Tanko; 16: No. 1,
1-8(1963). (In Japanese with English
abstract).
GEOTHERMAL FIELDS;GEOTHERMAL EXPLORATION;
TEMPERATURE DISTRIBUTION;GEODEMY;HYDROTHERMAL
ALTERATION;PHYSICAL PROPERTIES;BOREHOLES;
GEODEMY;GEOPHYSICS;MEASURING METHODS;
EXPLORATION METHODS

01613 PROCEDURAL INSTRUCTIONS FOR THE STUDY
OF THERMAL WATERS IN WELLS. Frolov, N.M.;
Aver'yev, N.V.; Dukhin, I.V.; Lyubimova, T.A.
Inzhenernoy Geologii Trudy; No. 17, 140(1964).
(In Russian).
THERMAL WATERS;GEOTHERMAL WELLS;NATURAL
STEAM;THERMOMETERS;PHYSICAL PROPERTIES;ROCKS;
THERMODYNAMIC PROPERTIES

01614 PRELIMINARY EVALUATION OF GEOTHERMAL
AREAS BY GEODEMY, GEOLOGY, AND SHALLOW
DRILLING. White, D.E. pp 402-9 of United
Nations Conference on New Sources of Energy;
New York; United Nations (1964). (In English
with French summary).
From UN Conference on New Sources of Energy;
Rome, Italy (1961).
GEOTHERMAL FIELDS;GEOTHERMAL EXPLORATION;
GEODEMY SURVEYS;GEODEMY SURVEYS;
BOREHOLES;WELL DRILLING;HEAT FLOW

01615 OPERATIONS RESEARCH AND POSSIBLE
APPLICATIONS TO GEOTHERMAL EXPLORATION
PROGRAMMING. Durr, F. pp 204-7 of UN
Conference on New Sources of Energy, Rome,
From UN Conference on New Sources of Energy;
Rome, Italy (1961).
GEOTHERMAL EXPLORATION;MEASURING METHODS;
PLANNING;RESEARCH PROGRAMS

01616 SOME PROBLEMS IN GEOTHERMAL
EXPLORATION. Lovering, T.S. AIME Trans.;
GEOTHERMAL EXPLORATION;REVIEWS;GEODEMY
SYSTEMS;GEOTHERMAL FIELDS;U.TAH;GEOTHERMAL
FIELDS;HOT SPRINGS;GEODEMY;MEASURING
METHODS;NATURAL STEAM;GEODEMY SURVEYS;
GEODEMY SURVEYS

01617 PORTABLE SAMPLER FOR COLLECTING WATER
SAMPLES FROM SPECIFIC ZONES IN UNCASED OR
SCREENED WELLS. Cherry, R.N. pp 214-16 of
US Geological Survey Professional Paper 525-C.
WATER;SAMPLERS;TRANSPORT;BOREHOLES;PUMPS;
DESIGN

01618 SOME PROBLEMS IN GEOTHERMAL
EXPLORATION. Lovering, T.S. Mining Eng.; 17:
No. 9, 23-9(1965).
GEOTHERMAL FIELDS;EXPLORATION;GEODEMY;
GEOTHERMAL EXPLORATION

01619 SELECTION CRITERIA FOR GEOTHERMAL
PROSPECTS. Austin, C.F. pp 93-125 of AIME
Pacific Southwest Mineral Indus. Conference,
GEOTHERMAL EXPLORATION AND EXPLORATION TECHNOLOGY


GEOTHERMAL EXPLORATION; GEOTHERMAL FIELDS; SITE SELECTION; VOLCANIC REGIONS; USA; THERMAL WATERS; HEAT FLOW; GEOLOGY; GEOCHEMISTRY; BY-PRODUCTS; WASTE DISPOSAL


BOREHOLES; THERMOMETERS; HYDRODYNAMICS; PRESSURE MEASUREMENT; TEMPERATURE MEASUREMENT; THERMAL EQUILIBRIUM


MEXICO; GEOTHERMAL EXPLORATION; VOLCANOES; HOT SPRINGS; FUMAROLIC FLUIDS; GEOTHERMAL ENERGY; BOREHOLES; GEOTHERMAL FLUIDS; CHEMICAL COMPOSITION; GEOTHERMAL FIELDS; GEOLOGY


GEOPHYSICS; EDUCATION; PLANNING; CANADA; RESEARCH PROGRAMS; GEOLOGY; RECOMMENDATIONS


BIBLIOGRAPHIES; GEOPHYSICS; GEOLOGY; SEISMOLOGY; GRAVIMETRY; WELL LOGGING; GEOPHYSICAL SURVEYS; TECTONICS; ROCKS


GEOTHERMAL EXPLORATION; GEOTHERMAL RESOURCES; GEOPHYSICAL SURVEYS; GEOCHEMICAL SURVEYS; GEOTHERMAL FIELDS; THERMAL SYSTEMS; ROCKS


GEOTHERMAL EXPLORATION; GEOTHERMAL ENERGY; GEOTHERMAL RESOURCES


USSR; VOLCANOES; GEOPHYSICS; GEOLGY; FUMAROLIC FLUIDS; THERMAL SYSTEMS; ROCKS; THERMAL PARTICLES; TECTONICS; TEMPERATURE MEASUREMENT; CALIFORNIA; GEOTHERMAL EXPLORATION; GEOTHERMAL FIELDS; REVIEWS; GEOTHERMAL RESOURCES


During 1967, CALIFORNIA; GEOTHERMAL EXPLORATION; GEOTHERMAL FIELDS; REVIEWS; GEOTHERMAL RESOURCES


SPACE VEHICLES; REMOTE VIEWING EQUIPMENT; EARTH FLATEN; IMAGES; GEOTHERMAL FIELDS; AERIAL PROSPECTING; VOLCANOES; EARTHQUAKES; THERMAL RADIATION


GEOTHERMAL EXPLORATION; GEOTHERMAL SYSTEMS; GEOTHERMAL FIELDS; GEOLOGY; HYDROLOGY; THERMAL WATERS; MEASURING METHODS


ROCKS; BOREHOLES; TEMPERATURE MEASUREMENT; EQUATIONS; ROCK DRILLING; TEMPERATURE DISTRIBUTION


GEOTHERMAL ENERGY; EXPLOITATION; GEOTHERMAL EXPLORATION; PERSONNEL; EDUCATION


GEOTHERMAL ENERGY; EXPLOITATION; GEOTHERMAL EXPLORATION; PERSONNEL; EDUCATION


GEOTHERMAL EXPLORATION; ICELAND; ROCK DRILLING; GEOLOGY; GEOPHYSICAL SURVEYS; HYDROTHERMAL SYSTEMS; RESEARCH PROGRAMS


THERMAL WATERS; EXPLOITATION; GEOLOGY; ECONOMICS; GEOLGIC STRATA; GEOLOGIC FISSURES; AQUIFERS; HYDROLOGY; GEOTHERMAL EXPLORATION; EXPLOITATION METHODS


IMPERIAL VALLEY; GEOTHERMAL EXPLORATION


GEOTHERMAL EXPLORATION; GEOTHERMAL RESOURCES; EXPLOITATION


GEOTHERMAL RESOURCES; GEOPHYSICAL SURVEYS; SEISMIC SURVEYS; ELECTRICAL SURVEYS; MAGNETIC SURVEYS; THERMAL FLOW; THERMAL SPRINGS; BOREHOLES; MEASURING METHODS; GEOTHERMAL EXPLORATION; INFRARED SURVEYS; WASHINGTON; GEOLGICAL SURVEYS; GEOCHEMICAL SURVEYS

01638 EXPLORATION FOR GEOTHERMAL POWER.

Geothermal Resources; Geothermal Exploration; Geophysics; Seismology; Well Drilling; Boreholes; Fumaroles; Geysers; Hot Springs; Aquifers; Depth; Meetings; Seismic Surveys; Proceedings; Energy Sources; Natural Steam

01635 Exploration for Geothermal Resources. Combs, J. (Univ. of California, Riverside): Muffler, L.J.P. Science; 182: 657-680 (1973). Geothermal Exploration; Geophysical Surveys; Reviews; Geophysical Surveys; Broadlands Geothermal Field; Earth Crust; Economics; Heat Transfer; Maps; Geology; Hydrology; California; New Zealand


01642 Vessel for Collecting Subsurface Water Samples from Geothermal Drills. Klyen, L.E. (Chem. Div., DSI, Wairakei, New Zealand). Geosciences; 2: No. 2, 57-60 (June 1973). Boreholes; Thermal Waters; Sampling; Gases; Containers; Design

01643 Dry Geothermal Wells: Promising Experimental Results. Hammond, A.L. (Dept. of Interior, Washington, DC). Science; 182: No. 4107, 43-4445 Oct 1973. Geothermal Resources; Exploration; Power Plants; Fissures; Electricity; Environment; Brines; Heating; Rocks; Granites; Ground Water; Geothermal Wells; Geothermal Exploration


01650 Developments in West Coast Area in 1973. Pfeiffer, D.H. Amer. Ass. Petrol. Geol. Bull.; 58: No. 8, 1536-46 (1974). Washington; Oregon; California; Exploration; Well Drilling; Geothermal Energy; Petroleum; Natural Gas; Economics; Geology; Geothermal Resources; Reserves; Data; Geothermal Exploration

01651 Developments in Four Corners-Intermountain Area in 1973. Thomaidis, N.D. Amer. Ass. Petrol. Geol. Bull.; 58: No. 8, 1581-5 (1974). Utah; Nevada; Arizona; Colorado; New Mexico; Exploration; Well Drilling; Geothermal Energy; Petroleum; Natural Gas; Geothermal Exploration; Energy Sources

Geophysical Techniques and Surveys

Refer also to Citation (s) 61, 82, 211, 248, 249, 250, 251, 252, 320, 380, 385, 471, 47, 480, 500, 529, 545, 546, 560, 575, 587, 627, 67, 674, 675, 676, 677, 679, 709, 725, 728, 860, 887, 889, 890, 952, 964, 1046, 1078, 1082, 1090, 1098, 1111, 1112, 1131, 1141, 1143, 1145, 1162, 1174, 1191, 1195, 1200, 1203, 1244, 1251, 1258, 1289, 1290, 1332, 1355, 1357, 1364, 1373, 1389, 1394, 1419, 1436, 1480, 1516, 1535, 1537, 1559, 2321, 2356, 2376, 2470, 2487, 2660, 2661, 2664, 2668, 2672, 2673, 2674, 2583, 2684, 2719, 2723, 2741, 2742, 2747, 2748, 3114, 3211, 3419, 3447, 3449, 3453, 3474, 3626, 3727, 3729, 3749


01654 (AD-764522) PROGRESS REPORT ON ELECTRICAL RESISTIVITY STUDIES, COSO GEOTHERMAL AREA, INYO COUNTY, CALIFORNIA. Ferguson, R.B. (Naval Weapons Center, China Lake, Calif. (USA)). Jun 1973. 76p. (NWC-TP-5497). NTIS $3.50; $1.45 (mf). CALIFORNIA;ELECTRICAL SURVEYS;GEOTHERMAL EXPLORATION;GEOPHYSICS;GEOTHERMAL FIELDS

01655 (AD-764522-9) PROGRESS REPORT ON ELECTRICAL RESISTIVITY STUDIES, COSO GEOTHERMAL AREA, INYO COUNTY, CALIFORNIA. Ferguson, R.B. Jun 1973. 76p. (NWC-TP-5497). NTIS $3.50. GEOTHERMAL ENERGY;VOLCANOES;CALIFORNIA;MAPS;ELECTRIC CONDUCTIVITY;GEOLGY;SITE SELECTION;GEOPHYSICAL SURVEYS;GEOTHERMAL RESOURCES;HOT SPRINGS;GEOTHERMAL EXPLORATION;ELECTRICAL SURVEYS;GEOTHERMAL FIELDS

01656 (AFRL-70-0277) REMOTE SENSING - US AERIAL MONITORING;INFRARED SURVEYS;ICELAND;SWEDEN;DATA PROCESSING;COMPUTERS;PHOTOGRAPHY

01657 (CONF-741145-2) MICROEARTHQUAKES IN GEOTHERMAL PROSPECTING. Lange, A.L. (AMAX Exploration, Inc., Denver, Colo. (USA)). [nd.]. 11p. NTIS $4.00; $1.45 (mf). SKYLAB;GEOPHYSICAL SURVEYS;CALIFORNIA;NEVADA;REMOTE SENSING;GEOTHERMAL RESOURCES


01659 (JPRS--54671) AIRBORNE AND SATELLITE INFRARED SURVEYS;AERIAL MONITORING;INFRARED SURVEYS;FUMAROLES


01661 (N-67-39313) INFRARED INVESTIGATIONS, STATUS REPORT. Moxham, R.M. (University of New Mexico, Technical Applications Center). 1966. 8p. (NASA-CR-79136). INFRARED SURVEYS;CALIFORNIA;WASHINGTON;GEYSERS;GEOPHYSICAL SURVEYS;GEOTHERMAL EXPLORATION;GEOTHERMAL FIELDS;PHOTOGRAPHY;

01662 (NSF/RA/W--74-0278) MARYSVILLE, MONTANA, GEOTHERMAL PROJECT. PART II. GEOTHERMAL AND GEOPHYSICAL EXPLORATION AT MARYSVILLE GEOTHERMAL AREA, 1973 RESULTS. Blackwell, D.B.; Brett, C.A.; Goforth T.T.; Holdaway, M.J.; Morgan, P.; Petefish, D.; Rape, T.; Steele, J.L.; Spafford, R.E.; Wabeil, A.F.; Friedline, R.; Smith, R.; Southern Methodist Univ., Dallas, Tex. (USA); Utah Univ., Salt Lake City (USA); Battelle Pacific Northwest Labs., Richland, Wash. (USA); Systems, Science and Software, La Jolla, Calif. (USA). Apr 1974. 104p. NTIS. MONTANA;GEOPHYSICAL SURVEYS;TABLES;SEISMIC SURVEYS;GEOTHERMAL RESOURCES;ACTIVATION ANALYSIS;PETROLOGY;GEOLGY;MAPS;GEOTHERMAL FIELDS


01664 (SLA--74-194) EXPERIMENTAL RESISTIVITY ELECTRODE REPLACEMENT FOR THE HAWAII GEOTHERMAL PROJECT. Brandvold, G.E. (Sandia Labs., Albuquerque, N.Mex. (USA)). Apr 1974. Contract AT(29-1)-789. 8p. Dep. NTIS $4.00. GEOTHERMAL EXPLORATION;MANUAL;VISCOSITY;TEMPERATURE MEASUREMENT;GEOLGCIC DEPOSITS;ENERGY SOURCES;MAGNETIC PROBES;ELECTRODES;DESIGN;ELECTRIC CONDUCTIVITY;GEOPHYSICAL SURVEYS;ELECTRICAL SURVEYS

01665 ELECTRONIC THERMOMETER WITH A SINGLE CABLE. Razved., Prom. Geofiz.; No. 23, 16-19. TEMPERATURE MEASUREMENT;THERMOMETERS;ELECTRONIC EQUIPMENT;BOREHOLES;DESIGN

01666 UPSHUR COUNTIES. Van Orstrand, C.E. (Sandia Labs., Albuquerque, N.Mex. (USA)). pp 66-103 of Apparatus for the measurement of temperature in deep wells and temperature determinations in some deep wells in Pennsylvania and West Virginia. Barbour, West Virginia Geol. Surv. (1918). BOREHOLES;TEMPERATURE MEASUREMENT;THERMOMETERS;EARTH CRUST;TEMPERATURE DISTRIBUTION

01667 DEEP-EARTH TEMPERATURES IN THE UNITED STATES. Van Orstrand, C.E. J. Wash. Acad. Sci.; 13: No. 4, 68(1923). USA;TEMPERATURE MONITORING;TEMPERATURE GRADIENTS;TEMPERATURE MEASUREMENT;THERMOMETERS;PERFORMANCE;ACCURACY;BOREHOLES

01668 APPARATUS FOR THE MEASUREMENT OF TEMPERATURES IN DEEP WELLS BY MEANS OF MAXIMUM THERMOMETERS. Van Orstrand, C.E. Econ. Geol.; 19: No. 3, 256-48(1924). BOREHOLES;TEMPERATURE MEASUREMENT;THERMOMETERS;ACCURACY;EARTH CRUST

01669 NOTE CONCERNING THE TAKING OF MEASUREMENTS OF TEMPERATURE IN BOREHOLES. Atanasiv, I. Ann. Mines Roumanie; No. 7-12, 219-25(1928). BOREHOLES;TEMPERATURE MEASUREMENT;GEOTHERMAL GRADIENTS;THERMOMETERS;DESIGN

01670 MEASUREMENT OF TEMPERATURE IN BOREHOLES. Friedel, G.; Malikowsky, V. Genie Civil; 45: No. 23, 568-9(1929). BOREHOLES;TEMPERATURE DISTRIBUTION;TEMPERATURE MEASUREMENT;THERMOMETERS;
GEOPHYSICAL SURVEYS; TEMPERATURE MEASUREMENT; ELECTRICAL SURVEYS; ELECTRIC CONDUCTIVITY; POROSITY; BOREHOLES

GEOPHYSICAL SURVEYS; PROSPECTING; MEASURING METHODS

01673 GEOPHYSICAL METHODS FOR PROSPECTING THE SUBSOIL. Vigneron, A. La Nature; No. 2867, 341-49 (1931).
GEOPHYSICAL SURVEYS; MEASURING METHODS; PROSPECTING

GEOPHYSICAL SURVEYS; MEASURING METHODS; PROSPECTING

Electrical thermometer for depths to 750 m; new apparatus for measuring crooked boreholes. USSR; GEOPHYSICAL EXPLORATION; POROSITY; BOREHOLES; TEMPERATURE MEASUREMENT; ALIGNMENT; MEASURING INSTRUMENTS; GEOLOGY; GEOPHYSICS

GEOPHYSICAL SURVEYS; PROSPECTING; MEASURING METHODS; GEOTHERMAL GRADIENTS; GEOLOGIC STRATA; ROCKS

GEOPHYSICAL SURVEYS; MAGNETIC SURVEYS; GRAVITY SURVEYS; ELECTRICAL SURVEYS; SEISMIC SURVEYS; RADIATION MONITORING; TEMPERATURE MONITORING; MEASURING METHODS

GEOLGY; EXPLORATION; BOREHOLES; MEASURING METHODS; ROCKS; ELECTRIC CONDUCTIVITY; POROSITY; TEMPERATURE MEASUREMENT; ALIGNMENT; MEASURING INSTRUMENTS

USSR; BOREHOLES; TEMPERATURE MEASUREMENT; GEOTHERMAL GRADIENTS; GEOPHYSICAL SURVEYS

USSR; USSR; BOREHOLES; TEMPERATURE MEASUREMENT; GEOTHERMAL GRADIENTS

GEOPHYSICAL SURVEYS; PROSPECTING; SEISMIC SURVEYS; ELECTRICAL SURVEYS; ELECTROMAGNETIC SURVEYS; MEASURING METHODS

GEOTHERMAL FAULTS; GEOPHYSICAL SURVEYS; TEMPERATURE MEASUREMENT; RADIOACTIVITY; THERMAL CONDUCTIVITY; HOT-DRY-ROCK SYSTEMS; HEAT TRANSFER; GEOLOGIC STRATA

GEOPHYSICAL SURVEYS; PROSPECTING; MEASURING METHODS

GEOPHYSICAL SURVEYS; PROSPECTING; MEASURING METHODS

01685 GEOTHERMAL METHOD FOR PROSPECTING THE SUBSOIL. Genie Civil; 106: No. 23, 507 (1935).
GEOPHYSICAL SURVEYS; PROSPECTING; SOILS; EARTH CRUST; MEASURING METHODS

YELLOWSTONE NATIONAL PARK; GEOTHERMAL EXPLORATION; BOREHOLES; DRILL CORES; HYDROTHERMAL SYSTEMS; TEMPERATURE MEASUREMENT; PRESSURE MEASUREMENT; ROCKS; POROSITY; HYDROTHERMAL ALTERATION; MINERALS; CHEMICAL COMPOSITION; THERMAL WATERS; GEYSERS; METEORIC WATER; MAGMATIC WATER

GULF OF MEXICO; GEOPHYSICAL SURVEYS; ELECTRICAL SURVEYS

WAIRAKEI GEOTHERMAL FIELD; TEMPERATURE MEASUREMENT

GEOPHYSICAL SURVEYS; PROSPECTING; GEOTHERMAL GRADIENTS; TEMPERATURE MEASUREMENT; GRAVITY SURVEYS; MAGNETIC SURVEYS; REVIEWS; ELECTRICAL SURVEYS; SEISMIC SURVEYS

BOREHOLES; TEMPERATURE MEASUREMENT; TEMPERATURE GRADIENTS; THERMOMETERS; SURFACE; COST; Witwatersrand; ELECTRIC CONDUCTIVITY; HEAT FLOW; MEASURING INSTRUMENTS; GEOTHERMAL GRADIENTS; SOUTH AFRICA

01691 DOWNWARD INCREASE OF TEMPERATURE IN THE ROCKS OF THE CRUST. Dahlion, Th. Z. Geophys.; 14: No. 5-6, 131-41 (1938).
EARTH CRUST; GEOLOGY; GEOPHYSICAL SURVEYS; GEOTHERMAL GRADIENTS; CALIFORNIA; ROCKS

GEOPHYSICAL SURVEYS; PROSPECTING; REVIEWS

01693 GEOTHERMAL GRADIENTS IN CALIFORNIA. Wells, French, R.K. World Petrol.; 10: No.


01704 REPORT ON THE NATURE OF SUBLUSTRANEAN HEAT EXAMINED AT BEPPU. Kondo, N. J. Geog.; 56: No. 4-5, 150-6(1949). (In Japanese with English summary).


01713 TERRESTRIAL HEAT BALANCE IN ICELAND. Bodvarsson, G. Verk. Islands Timarit; Arg.: No. 6, 69-76(1954).

01714 GEOPHYSICAL SURVEYS;HOT SPRINGS;GEOTHERMAL EXPLORATION;REVIEWS
01714 GEOTHERMAL MEASURING CIRCUIT. Swartz, J.H. Science; 120: No. 3119, 573-4 (1954). ALASKA;GEOTHERMAL EXPLORATION;GEOTHERMAL GRADIENTS;ELECTRIC MEASURING INSTRUMENTS; THERMISTORS;TEMPERATURE DISTRIBUTION;BOREHOLES; ERRORS;ACCURACY;TEMPERATURE MEASUREMENT; ELECTRICAL EQUIPMENT

01715 PRESENT STATE OF GEOTHERMAL INVESTIGATIONS. Birch, F. Geophysics; 19: No. 4, 645-59 (Oct 1954). GERMANY;GEOTHERMAL GRADIENTS;MEASUREMENT;EARTH CRUST;MEASURING METHODS;HEAT FLOW

01716 RESISTANCE THERMOMETER WITH THE SINGLE-CORE CABLE. Vasil’ev, Yu.F. Prikl. Geofiz.; 13: 116-30 (1955). THERMOMETERS;TEMPERATURE MEASUREMENT; ELECTRONIC EQUIPMENT;ELECTRIC CONDUCTIVITY;ACCURACY;ELECTRIC POTENTIAL;DESIGN;ELECTRIC CABLES

01717 GEOPHYSICAL AND GEOCHEMICAL SURVEYS IN OSAKA AND NOVA DISTRICTS OF THE KUJU VOLCANO, OITA PREFECTURE. Chishitsu Chosasho Geppo; 6: No. 10, 661-78 (1955). (In Japanese with English summary). JAPAN;GEOTHERMAL SURVEYS;GEOTHERMAL FIELDS;GEOTHERMAL MEASUREMENTS


01719 FIELD INSTRUMENT FOR MEASURING TEMPERATURES OF NATURAL BOILING POINTS. Garvitch, 2.S. J. Sci. Instrum.; 32: No. 7, 261-3 (1955). NEW ZEALAND;THERMAL WATERS;TEMPERATURE MEASUREMENT;THERMOMETERS;ELECTRIC CONDUCTIVITY;DESIGN

01720 SUBSURFACE GEOPHYSICAL METHODS IN GROUND-WATER HYDROLOGY. Jones, P.H.; Skititzke, H.E. Advan. Geophysics; 3: 241-300 (1956). GROUND WATER;HYDROLOGY;WELL LOGGING;BOREHOLES;REVIEWS;GEOPHYSICAL SURVEYS

01721 TERRESTRIAL HEAT FLOW IN HUNGARY. Boldizsar, T. Pure Appl. Geophys.; 34: 66-70 (1956). HUNGARY;HEAT FLOW;BOREHOLES;TEMPERATURE MEASUREMENT;GEOLGIC DEPOSITS;COAL;THERMAL CONDUCTIVITY

01722 GEOTHERMAL SURVEY AT YUBA IN OSHIMA ISLAND, IZU. Uyeda, S. Tokyo Daigaku Jishin Kenkyusho Iho; 34, Pt. 4: 365-71 (1956). (In Japanese with English abstract). JAPAN;GEOTHERMAL SURVEYS;GEOTHERMAL MEASUREMENTS;HEAT FLOW;THERMISTORS;GEOPHYSICAL SURVEYS

01723 GEOTHERMAL SURVEY OF HOT GROUND NEAR LORDBURG, NEW MEXICO. Kintzinger, P.R. Science; 124: No. 3223, 629-30 (1956). NEW MEXICO;BOREHOLES;NATURAL STEAM;GEOTHERMAL GRADIENTS;THERMAL WATERS;TEMPERATURE MEASUREMENT;THERMISTORS;JAPAN;GEOTHERMAL FIELDS;GEOLGY;GEOPHYSICAL SURVEYS


01725 IMPROVED ELECTRIC THERMOMETER FOR DEEP MEASUREMENTS. Malyyaga, V.P. Raz. Prom. Geofiz.; No. 17, 25-7 (1957). THERMOMETERS;DESIGN;OPERATION;RELIABILITY; ERRORS;BOREHOLES;ELECTRICAL EQUIPMENT;TEMPERATURE MEASUREMENT;PERFORMANCE


01729 GEOTHERMAL EFFECTS OF THE PLEISTOCENE GLACIATION IN ICELAND. Bodvarsson, G. Joekull (Reykjavik); 7: 1-30 (1957). N. ICELAND;HEAT FLOW;THERMAL WATERS;GLACIERS;GEOTHERMAL FIELDS;GEOTHERMAL MEASUREMENTS

01730 NATURAL HEAT FLOW FROM THE THERMAL AREAS OF TAUPO SHEET DISTRICT (N.4). Gregg, D.R. N. Z. J. Geol. Geophys; 1: No. 1, 65-75 (1956). NEW ZEALAND;GEOTHERMAL FIELDS;HEAT FLOW;MASS TRANSFER;FLUID FLOW;THERMAL WATERS

01731 NEW TERRESTRIAL HEAT FLOW VALUES FROM HUNGARY. Boldizsar, T. Geofis. Pure Appl.; 29: 120-5 (1958). HUNGARY;HEAT FLOW;THERMAL WATERS;GRADIENTS;TEMPERATURE DISTRIBUTION;WEATHER;GEOTHERMAL FIELDS;GEOTHERMAL MEASUREMENTS

01732 RESULTS OF TERRESTRIAL HEAT FLOW MEASUREMENTS IN HUNGARY. Boldizsar, T.; Freiberger Forchungsch.; Geophysics; 45: 95-9 (1958). HUNGARY;EARTH CRUST;TEMPERATURE DISTRIBUTION;GEOTHERMAL FIELDS;GEOTHERMAL RESEARCH

01733 GEOTHERMAL MEASUREMENTS IN PETROLEUM GEOLOGY. Dyakonov, D.I. USSR; USSR; USSR; USSR; USSR WELLS;PETROLEUM EXPLORATION;POLAR GEOLOGY;PETROLEUM PROSPECTING;MEASURING METHODS

01734 RESULTS OF ELECTRICAL PROSPECTING AND WELL-BORING AT THE OSHUKU HOT SPRINGS IN IWATE PREFECTURE. Kondo, C. J. Geog.; 67: No. 4, 19-26 (1958). JAPAN;GEOTHERMAL FIELDS;ELECTRICAL SURVEYS;WELL DRILLING;TEMPERATURE DISTRIBUTION;HOT SPRINGS

01735 GEOPHYSICAL RECONNAISSANCE AT KAWERAU, NEW ZEALAND. Studt, F.E. N. Z. J. Geol. Geophys; 1: No. 2, 219-46 (1958). KAWERAU GEOTHERMAL FIELD;GEOPHYSICAL SURVEYS;HYDROLOGY;THERMAL WATERS;CHEMICAL COMPOSITION;
HYDROTHERMAL ALTERATION


01763 USING NUCLEAR RESONANCE TO SENSE TEMPERATURE. Dean, C. Electronics; 30: No. 28, 52-4(1960).


GRAVIMETRY;LARDERELLO GEOTHERMAL FIELD; GEOMORPHOLOGY;GEOLoaIC FAULTS;NATURAL STEAM; GRAVITY SURVEYS;ITALY
GEOPHYSICAL TECHNIQUES AND SURVEYS


GEOPHYSICAL SURVEYS; U.S.S.R.; GEOTHERMAL GRADIENTS; BOREHOLES; ROCKS; SEDIMENTS; VARIATIONS


SEISMOGRAPHY; PERFORMANCE; GEOTHERMAL NOISE; SEISMIC SURVEYS


ELECTRICAL SURVEYS; RADIOKIP SURVEYS; ELECTROMAGNETIC SURVEYS; ELECTROMAGNETIC FIELD MEASUREMENTS; GEOTHERMAL GEOMAGNETIC FIELD OF KAMA-KINEL BASIN.


UTAH: GEOTHERMAL SURVEYS; SEDIMENTARY ROCKS; IONEOUS ROCKS; GEOLOGIC STRATA


GEOTHERMAL GRADIENTS; TEMPERATURE MEASUREMENT; MEASURING METHODS; MAPS; TABLES; THERMOMETERS; ACCURACY; DATA COMPILATION


JAPAN; HOT SPRINGS; GEOTHERMAL FIELDS; GEOTHERMAL EXPLORATION; MAGNETIC SURVEYS


MEASURING INSTRUMENTS; GRAVIMETRY; SENSITIVITY; TEMPERATURE MEASUREMENT; THERMOMETERS


USSR; PETROLEUM; NATURAL GAS; PROSPECTING; BOREHOLE TEMPERATURE MEASUREMENT; THERMOMETRY; GEOLOGY; DEPOSITS; THERMAL GRADIENTS; DEPTH; GEOCHEMISTRY; WELL LOGGING; GEOLOGIC DEPOSITS; MEASURING METHODS


GEOTHERMAL SYSTEMS; THERMAL WATERS; UNDERGROUND; GEOTHERMAL GRADIENTS; DEPTH; MATHEMATICAL MODELS


USSR; GEOTHERMAL FIELDS; GEOLOGY; SEDIMENTS; ROCKS; STRATIFICATION; THERMAL CONDUCTIVITY; GEOTHERMAL GRADIENTS; GEOPHYSICAL SURVEYS


BOREHOLES; THERMOMETERS; DESIGN; PERFORMANCE; ACCURACY; BRASS; PROBES


THERMISTORS; THERMOMETERS; DESIGN; CALIBRATION; TEMPERATURE MEASUREMENT


JAPAN; HOT SPRINGS; GEOTHERMAL FIELDS; GEOTHERMAL EXPLORATION; MAGNETIC SURVEYS


MATSUKAWA GEOTHERMAL FIELD; SEISMIC SURVEYS; VOLCANIC REGIONS; NATURAL STEAM; LITHOLOGY; LAVA; TUFF; SHALES


GEOTHERMAL EXPLORATION; MAGNETIC SURVEYS; GEOLOGY; EXPLORATION; GEOPHYSICAL SURVEYS; ROCKS; PHYSICAL PROPERTIES


GEOPHYSICAL SURVEYS; ACCURACY; STATISTICS; SERIES


01818 UNITED STATES GEOLOGICAL SURVEY DRILL-HOLE PROBE. Calif. Div. Mines, Geol., Mineral Info. Serv.; 17: No. 11, 204(1964). BOREHOLES; HEAT FLOW; EARTH CRUST; MEASURING METHODS; PROBES


01822 LEAD-COMPENSATED THERMISTOR PROBE. Jessop, A.M. J. Sci. Instrum.; 41: No. 8, 503-4(1964). THERMISTORS; TEMPERATURE MEASUREMENT; BOREHOLES; THERMOMETERS; DESIGN; RELAYS; SWITCHES


01826 NATURE AND ASSESSMENT OF HEAT FLOW FROM HYDROTHERMAL AREAS. Dawson, G.B. N. Z. Geol. Geophy.; 7: No. 1, 155-71(1964). WAIRAKEI GEOTHERMAL FIELD; HEAT FLOW; MEASURING METHODS; MEASURING INSTRUMENTS; FUMAROLES; GEYSERS; HOT SPRINGS; THERMAL WATERS; GROUND WATER; HEAT TRANSFER

01827 DIURNAL AND SEASONAL GROUND TEMPERATURE VARIATION AT WAIRAKEI. Dawson, G.B.; Fisher, R.C. N. Z. J. Geol. Geophy.; 7: No. 1, 144-54(1964). Heat flow - 40 x 10^-6 cal/cm^2/sec. WAIRAKEI GEOTHERMAL FIELD; HEAT FLOW; TEMPERATURE DISTRIBUTION; DAILY VARIATIONS; SEASONAL VARIATIONS; THERMAL DIFFUSIVITY; THERMAL CONDUCTIVITY

01828 GEOTHERMAL HEAT FLOW THROUGH THE SOIL AT WAIRAKEI. Robertson, E.I.; Dawson, G.B. N. Z. J. Geol. Geophy.; 7: No. 1, 134-43(1964). WAIRAKEI GEOTHERMAL FIELD; HEAT FLOW; THERMAL CONDUCTION; CONVECTION; SOILS; THERMAL CONDUCTIVITY; HEAT TRANSFER


01830 DEEP GEOTHERMAL CONDITIONS IN CISED-Caucasia. Kortenshtein, V.V. Dokl. Akad. Nauk SSSR; 154: No. 6, 1334-6(1964). USSR; TEMPERATURE DISTRIBUTION; BOREHOLES; WELL DRILLING; GEOTHERMAL GRADIENTS; GEOPHYSICAL SURVEYS


01832 BEHAVIOR OF SILICON, ALUMINUM, IRON, MAGNESIUM, CALCIUM, SODIUM, AND POTASSIUM IN FUMAROLIC GAS AT THE MIHARA VOLCANO, JAPAN. Kaniya, H. Bull. Chem. Soc. Jap.; 37: No. 10, 1477-82(1964). JAPAN; VOLCANOES; FUMAROLIC FLUIDS; SILICON; ALUMINUM; ION; MAGNESIUM; CALCIUM; POTASSIUM; WATER VAPOR; TRANSPORT; TEMPERATURE DEPENDENCE; CHEMICAL COMPOSITION; CHEMICAL REACTIONS; PRECIPITATION; VOLATILITY


01834 THERMOELECTRIC DEVICE FOR MEASURING THERMAL CONDUCTIVITY OF ROCK. Khan, A.M.; Falt, I. J. Geophys. Res.; 69: No. 20, 4414-16(1964). ROCKS; THERMAL CONDUCTIVITY; MEASURING INSTRUMENTS


01837 GEOPHYSICAL INVESTIGATION OF GEOTHERMAL ZONES OF EARTH. Scheffer, V. Acta Technica (Budapest); 47: No. 3-4, 499-50(1964). KENYA;GEOTHERMAL EXPLORATION; VULCANIC REGIONS; HYDROTHERMAL SYSTEMS; GEOL oGY; GEOTHERMAL GRADIENTS; VARIATIONS; SEISMOLOGY; HEAT FLOW; GEOL oGIC STRATA; GEOL oGIC FAULTS


01855 TECHNIQUES OF MEASURING HEAT FLOW THROUGH OCEAN FLOOR. Langseth, R.G.; Amer.
GEOPHYSICAL TECHNIQUES AND SURVEYS


01865 GEOTHERMAL SURVEYS IN SEDIMENTARY ROCKS NEAR GRANTS AND LAGUNA, NEW MEXICO. Eyerly, P.E. Geophys. 30: No. 3, 396-406(Jun 1965).

01866 STUDIES OF THERMAL STATE OF EARTH. Yasui, M.; Watanebe, T. Tokyo Daigaku Jishin Kenkyusho Iho; 43, Pt. 3: 549-63(Sep 1965).


01888 METHODS OF GEOTHERMAL MEASUREMENT ON CONTINENTS WITH PARTICULAR REGARD TO PROSPECTING. Mongelli, P. Barc, Univ., Ist Geod. Geofis.; No. 53, 60p(1967).


01893 DATA ON THE THERMAL WATERS OF THE TRANS-CARPATIAN INTERIOR DEPRESSION. Seletsiv, T.M. pp 84-6 of Regional geothermy and distribution of thermal waters in USSR. Moscow; Izdatel'stvo 'Nauka' (1967).


MEASURING METHODS


01938 THERMAL INFRARED IMAGERY FOR GEOLOGISTS. Sabins, F.D., Jr. Chevron Oil Field Research Co., Paper. USA; Chevron Oil Field Res. Council (1968). 21IP.


01940 VARIABLE CALIBER SONDE FOR HEAT CONDUCTIVITY MEASUREMENTS IN ROCKS. Geisner, C.; Leischner, H.; Pischel, S. Freiberger Forschungsheft; C; 232: 47-60(1968). GEOLOGIC DEPOSITS; THERMAL CONDUCTIVITY; BOREHOLES; MEASURING INSTRUMENTS; DESIGN; PERFORMANCE TESTING; LIMESTONE

01941 HEAT FLOW MEASUREMENTS IN TWO MINES IN WESTERN AND SOUTHERN BOHEMIA. Krcmar, B. Czech., Ustred. Ustav. Geol., Vestn.; 43: No. 6, 415-422(1968). CZECHOSLOVAKIA; HEAT FLOW; MINES; DATA

01942 APPLICATION OF GEOTHERMISTRY IN GEOLOGICAL PROSPECTING. Krcmar, B. Freiberger Forschungsheft; 238: 45-53(1968). GEOPHYSICAL SURVEYS; GEOTHERMAL GRADIENTS; MINERALS; PROSPECTING; GEOTHERMAL EXPLORATION

01943 GEOTHERMY OF THE BAIKAL AREA. Lyasik, S.V. Sibir. Otdel., Geol. Geofiz., Akad. Nauk SSSR; No. 9, 16-21(1968). USSR; BOREHOLES; HEAT FLOW; ROCKS; PHYSICAL PROPERTIES; TECTONICS; TEMPERATURE MEASUREMENT

01944 ANALYSIS OF 1966 INFRARED IMAGERY OF SURTSEY, ICELAND. Williams, R.S., Jr.; Friedman, J.D.; Thorsarinsson, S.; Sigurgeirsson, T.; Palsson, G. Surtsey Res. Soc., Prog. Rpt.; 4: 177-92(1968). ICELAND; INFRARED SURVEYS; SATELLITES; Volcanoes; TEMPERATURE MEASUREMENT; HEAT; ENERGY YIELD


01947 SIGNIFICANCE OF ENERGY SOURCES IN GEOPHYSICAL INVESTIGATIONS OF BOREHOLES. Lon, D.L. West. Miner; 41: No. 11, 32,34(1968). GEOPHYSICAL SURVEYS; MEASURING METHODS; MEASURING INSTRUMENTS; EXPLORATION; COMPARATIVE EVALUATIONS


01950 GEOTHERMAL DATA FROM VIENNA BASIN. Boldizar, T. J. Geophys. Res.; 73: No. 2, 513-18(15 Jan 1968). HUNGARY; GEOThERMAL GRADIENTS; HEAT FLOW; DATA; AUSTRIA; GEOPHYSICAL SURVEYS

01951 GEOTHERMAL CONDITIONS IN SOUTHEASTERN PART OF DNIEPER-DONETS DEPRESSION. Litvinov, V.V.; Shchechenko, I.N. Sov. Geol. No. 5, 141-5(1968). USSR; GEOTHERMAL GRADIENTS; GEOLOGIC FAULTS; GEOTHERMAL EXPLORATION


01954 IN SITU MEASUREMENT OF THERMAL CONDUCTIVITY IN PRESENCE OF TRANSVERSE ANISOTROPY. Wright, J.A.; Garland, G.D. J. Geophys. Res.; 73: No. 16, 5477-84(15 Aug 1968). THERMAL CONDUCTIVITY; MEASURING METHODS; ANISOTROPY; PROBES; HEAT FLOW

01955 'UNDERGROUND' HOT WATER. Water Well J.; 44(Dec 1968). GEOTHERMAL EXPLORATION; MEASURING METHODS; THERMAL WATERS; ICELAND; TEMPERATURE MEASUREMENT; MAPS


01957 CONTRIBUTION OF THE GEOTHERMAL AND GEOPHYSICAL PROSPECTING METHODS TO THE STUDY OF THE GEOTHERMAL FIELDS OF TUSCANY, ITALY. Moret, J.J. Bull. Volcanol.; 33: No. 1, 155-196(1969). (In Italian). Plancastagno field, Poggio Nibbio field; ITALY; GEOTHERMAL EXPLORATION; TEMPERATURE GRADIENTS; MAPS; LARDERELLO GEOTHERMAL FIELD; ELECTRICAL SURVEYS; GEOPHYSICAL SURVEYS; GEOTHERMAL FIELDS
GEOTHERMAL ENERGY


01979 GEOPHYSICAL STUDIES FOR VOLCANOLOGICAL GEOHYDROLOGY. Adams, W.M. Geofiz. Kozlem.; 18: No.4, 51-62(1969). HYDROLOGY; VOLCANOES; GEOPHYSICAL SURVEYS; GROUND WATER; MAGNETIC SURVEYS; SEISMIC SURVEYS; POROSITY; HOLOGRAPHY; FRESH WATER; ALGAE; DRILLING; AERIAL PROSPECTING; VOLCANIC REGIONS; MEASURING METHODS

01980 COMPUTER METHOD OF SOLVING THE INVERSE PROBLEM OF ELECTRICAL SURVEYING (VERTICAL ELECTRICAL Sounding). Zavelev, A.I. IVUGA; No. 8, 88-93(1969). ELECTRICAL SURVEYS; COMPUTER CALCULATIONS; ELECTRIC CONDUCTIVITY; ITERATIVE METHODS

01981 USE OF DIGITAL SEISMIC TECHNOLOGY IN AUSTRALIA. Cone, R.M.; Wardell, J. APEA J.; 9, Pt. 2: 111-26(1969). GEOPHYSICAL SURVEYS; SEISMIC SURVEYS; DATA PROCESSING; SEISMOLOGY; AUSTRALIA


01983 GEOTHERMAL HEAT FLOW IN THE NORTH ISLAND OF NEW ZEALAND. Studt, F.E.; Thompson, G.E.K. N. Z. J. Geol. Geophys.; 12: No. 4, 673-83(1969). NEW ZEALAND; GEOTHERMAL FIELDS; HEAT FLOW; BOREHOLES; GEOTHERMAL GRADIENTS; HYDROLOGY; METEORIC WATER; VOLCANIC REGIONS

01984 DESIGNING LOGGING INSTRUMENTS FOR SEMICONDUCTING TEMPERATURE LOGGING. Egerer, F. Many. Geofiz.: 10: No. 6, 226-32(1969). (Russian and German summaries). WELL LOGGING; TEMPERATURE MEASUREMENT; BOREHOLES; THERMISTORS; DESIGN; MEASURING INSTRUMENTS


GEOTHERMAL ENERGY

PLANNING; DISPLAY DEVICES

01999 DEEP PROBING METHODS - DATA PROCESSING.

GEOPHYSICAL SURVEYS; DATA PROCESSING; DIGITAL COMPUTERS; REMOTE SENSING

02000 CORRELATING REMOTE SENSOR SIGNALS WITH GROUND-TRUTH INFORMATION BY COMPUTER.

AERIAL PROSPECTING; DATA PROCESSING; COMPUTERS; CORRELATION; MULTI-PARAMETER ANALYSIS; REMOTE SENSING; MICROWAVE EQUIPMENT; INFRARED SURVEYS; SPECTROMETERS

02001 REMOTE SENSING OF THE ENVIRONMENT, SOME THEORETICAL CONSIDERATIONS AND CONCEPTS.

AERIAL PROSPECTING; DATA PROCESSING; MEASURING METHODS; REMOTE SENSING

02002 DEEP HEAT FLOW ON THE TERRITORY OF DAGESTAN.

128p.

DAGESTAN; ELECTRICITY; MEASURING METHODS; REMOTE SENSING

02003 GEOTHERMAL CHARACTERISTICS OF THE CRIMEAN PENINSULA AND SOME AREAS OF THE EASTERN CARPATHIANS.

USSR; GEOTHERMAL GRADIENTS; GEOTHERMAL FIELDS

02004 SUBSURFACE TEMPERATURE, HEAT CONDUCTIVITY AND HEAT FLOW IN THE THURINGIA BASIN AND SURROUNDING AREAS, GDR.

GERMAN DEMOCRATIC REPUBLIC; HEAT FLOW; VARIATIONS; GEOPHYSICAL STRATA; SEDIMENTARY ROCKS

02005 HEAT FLOW FROM DEPTH IN AZERBAIJAN.

USSR; HEAT FLOW; BOREHOLES; PETROLEUM DEPOSITS

02006 GEOTHERMAL CHARACTERISTICS OF THE CRIMEAN PENINSULA AND SOME AREAS OF THE EASTERN CARPATHIANS.

USSR; GEOTHERMAL GRADIENTS; GEOTHERMAL FIELDS

02007 HEAT FLOW FROM DEPTH IN Azerbajian.


26p.

HEAT SPRINGS; REMOTE SENSING; INFRARED SURVEYS; MINERALS; PETROLEUM; PROSPECTING; RADAR; MICROWAVE EQUIPMENT; PHOTOGRAPHY

02008 INVESTIGATION OF METHODS OF MEASURING SPECIFIC ELECTRICAL RESISTIVITY OF ROCK SAMPLES FOR PURPOSES OF CHOOSING OPTIMUM MEASURING SCHEMES.

ROCKS; ELECTRIC CONDUCTIVITY; MEASURING METHODS


ROCKS; ELECTRIC CONDUCTIVITY; MEASURING INSTRUMENTS; ERRORS


GEOPHYSICAL SURVEYS; ELECTRICAL SURVEYS; GEODETIC FAULTS

02011 INTERPRETATION OF VERTICAL ELECTRICAL SOUNDINGS - RESISTIVITY SAMPLING AND PARAMETRIC SOUNDINGS.

ELECTRICAL SURVEYS; ROCKS; ELECTRIC CONDUCTIVITY; GEOLOGIC STRATA; STRATIGRAPHY; LITHOLOGY; MEASURING METHODS

02012 NEW GE-MAKE INSTRUMENTS.

ELECTRICAL SURVEYS; MEASURING INSTRUMENTS; DESIGN; OPERATION

02013 THERMOGRAPHIC SURVEY IN THE WEST INDIES.
Peker, L.; Guy, M. Photo Interpretation; No. 5-6, 30-47 (1969).

(English and Spanish versions).

GEOPHYSICAL EXPLORATION; INFRARED SURVEYS; SURFACES; AERIAL PROSPECTING; GEOTHERMAL GRADIENTS

02014 METHOD OF RHYTHMOGRAPHIC CORRELATION OF MATERIALS FROM GEOPHYSICAL INVESTIGATIONS OF BOREHOLES AND FROM SEISMOLOGICAL EXPLORATION.

ELECTRICAL SURVEYS; ROCKS; ELECTRIC CONDUCTIVITY; GEOPHYSICAL SURVEYS; BOREHOLES; GRAVITY SURVEYS; DATA; CORRELATIONS; SEISMOLOGICAL SURVEYS; WELL LOGGING; DIAGRAMS; DATA PROCESSING; ELECTRICAL SURVEYS

02015 INTERPRETATION OF ELECTRICAL PROSPECTING BY ANALOG COMPUTER.

(In Japanese with English abstract).

ELECTRICAL SURVEYS; ELECTRIC CONDUCTIVITY; EARTH CRUST; TOPOGRAPHY; ANALOG COMPUTERS; PROSPECTING

02016 REFLECTIONS ON THE APPLICATIONS OF THE FOURIER TRANSFORM IN SEISMIC SURVEYS AND GRAVIMETRY.

SEISMIC SURVEYS; GRAVITY SURVEYS; FOURIER TRANSFORMATION; DATA PROCESSING; MEASURING METHODS

02017 RAPID HEAT-FLOW SURVEYING OF GEOTHERMAL AREAS UTILIZING INDIVIDUAL SNOWFALLS AS CALORIMETERS.

HEAT FLOW; GEOTHERMAL FIELDS; MEASURING METHODS; SNOW; CALORIMETERS; OLD FAITHFUL GEYSER

02018 AERIAL HEAT SURVEY OF THE VOLCANOES OF KAMCHATKA.

USSR; VOLCANOES; INFRARED SURVEYS; HEAT FLOW

02019 THEORY AND CONSTRUCTION OF A PROPOSED SUPERCONDUCTING AEROGRAVIMETER.

SUPERCONDUCTING; ELECTROMAGNETS; ELECTROMAGNETOMETERS; AERIAL PROSPECTING; MAGNETIC SURVEYS; MAPS; DESIGN

02020 MUSTER OF MODERN HUNGARIAN GEOPHYSICAL INSTRUMENTS.
Geokhimiya; No. 1-2, 71-
<table>
<thead>
<tr>
<th>Title</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>INFRARED SURVEYS;REMOTE SENSING;EARTH PLANET;MEASURING INSTRUMENTS;MEASURING METHODS</td>
<td></td>
</tr>
<tr>
<td>REMOTE SENSORS AND PHOTOELOGY. Carter, W.D. pp 65-74 of Aplicacion de sensores remotos para determinacion, conservacion y desarrollo de recursos naturales - 1st Symposium, La Plata, Argentina, 1969. La Plata, Argentina; Univ. Nac. La Plata (1969). INFRARED SURVEYS;AERIAL PROSPECTING;PHOTOGRAPHY;SATELLITES;REMOTE SENSING;GEOLGIC FAULTS;GEOLGIC DEPOSITS;SOILS;VOLCANOES</td>
<td></td>
</tr>
<tr>
<td>INTERPRETATION OF DATA OF VERTICAL ELECTRICAL SOUNDINGS ON ELECTRONIC COMPUTERS. Strakhov, V.N.; Karolina, G.N. Prikl. Geofiz.: No. 36, 118-29(1969). ELECTRICAL SURVEYS;DATA PROCESSING;COMPUTERS;ELECTRIC CONDUCTIVITY</td>
<td></td>
</tr>
</tbody>
</table>
GRADIENTS


02059 Near-surface resistivity surveys of...


WINNER method. BROADLANDS GEOTHERMAL FIELD; NEW ZEALAND; ELECTRICAL SURVEYS; THERMAL WATERS; ROCKS; ELECTRIC CONDUCTIVITY


D.T. Otake geothermal field; geothermal gradients; thermal conductivity; rocks; fumaroles; heat transfer; hot springs; boreholes; drill cores.


Japan; geothermal fields; boreholes; temperature measurement; geologic faults; geothermal exploration.


Electrical surveys; magnetic surveys; geothermal survey; Japan; boreholes; thermal waters; natural steam; geophysical surveys; geothermal fields.


Heat flow; boreholes; temperature measurement; thermometers; thermal conductivity; rocks; probes; analytical method; Laplace transformation; measuring methods.


Heat flow; boreholes; temperature measurement; thermometers; thermal conductivity; electric conductivity; rocks; copper; USSR; geophysical surveys.


India; heat flow; boreholes; temperature measurement; geophysical surveys.


Temperature measurement; electric probes; performance; boreholes; thermal conductivity; platinum; transducers; stratigraphy; electrical surveys; geophysical surveys; temperature gradients.


Thermal conductivity; rocks; density; electric conductivity; porosity; geophysical surveys; USSR.


Remote sensing; infrared surveys; geophysical surveys; geothermal fields; heat transfer; environment; measuring instruments.


Imperial Valley; geothermal resources; desalination; power generation; heat flow; electrical surveys; gravity surveys; seismic surveys; dry-steam systems; geothermal gradients; geologic faults; geophysical surveys.


Layers; electrical surveys; data processing; measuring methods; kernels; functions; electric conductivity.


Geophysical surveys; electrical surveys; electrochemistry; measuring methods; polarization.


Hawaii; coastal waters; heat flow; sediments; geophysical surveys.


Ground water; prospecting; geologic deposits; temperature measurement; thermistor; performance; hydrology; geology; thermal waters; thermometers; geophysical surveys.


Hungary; geophysical surveys; seismic surveys; electrical surveys; thermal waters; measuring methods; prospecting.


Geophysical surveys; data processing; computers.


USSR; boreholes; temperature measurement; geothermal gradients; thermal waters; prospecting.


Red Sea; heat flow; boreholes; temperature measurement; sediments; sandstones; shales.
GEOPHYSICAL TECHNIQUES AND SURVEYS

02092 GEOPHYSICAL EXPLORATION, AN OUTLINE OF THE PRINCIPAL METHODS USED IN THE SEARCH FOR MINERALS, OIL, GAS, AND WATER SUPPLIES.

02093 ELECTRICAL PROSPECTING METHODS FOR STUDYING THERMAL WATER DEPOSITS.

02094 SOME PROBLEMS OF DEEP ELECTRICAL SOUNDING PROCEDURE.

02095 ALL-UNION SEMINAR, "TEST, RESULTS, AND PROSPECTS OF THE USE OF VERTICAL SEISMICprofilin (VSP) FOR THE PURPOSE OF ENHANCING THE EFFECTIVENESS OF SEISMIC EXPLORATION".

02096 APPARATUS FOR GEOPHYSICAL WELL INVESTIGATIONS.

02097 GEOMAGNETIC DEEP SOUNDING AND UPPER MANTEL IN THE WESTERN UNITED STATES.

02098 SEPARATION OF MAGNETIC VARIATION FIELDS AND CONDUCTIVE STRUCTURES IN THE WESTERN UNITED STATES.

02099 CHOLAME AREA, SAN ANDREAS FAULT ZONE, CALIFORNIA, A STUDY IN SLAR.

02100 YESTERDAY, TODAY, AND TOMORROW IN SEISMIC EXPLORATION (IN EXPLORATION CONCEPTS FOR THE SEVENTIES).

02101 CONTROLLED-SOURCE TELLURIC CURRENT TECHNIQUE AND ITS APPLICATION TO STRUCTURAL INVESTIGATIONS.

02102 SOME FORMULAS USEFUL IN THE INTERPRETATION OF GRAVITATIONAL AND MAGNETIC PROFILES.

02103 EFFICIENT METHOD OF MEASURING THE PHASE PARAMETER IN TWO-FREQUENCY ELECTRICAL SURVEYING.

02104 NEW THERMAL ANOMALY AREA IN THE FERGANA DEPRESSION.

02105 MINIATURIZED DIGITAL DATA ACQUISITION SYSTEM FOR HIGH RESOLUTION MAGNETOMETER SURVEYING.
Magnetotelluric methods. Electric conductivity; USSR; electromagnetic surveys


Magnetotelluric sounding. Layers; Surfaces; Depth; Maps; USSR; Electric conductivity; electromagnetic surveys


Magnetotelluric surveys. Mathematics; Induction; Depth; electromagnetic surveys


Boreholes; geophysical surveys; well logging; measuring methods


Heat flow; topography; Iceland


Heat flow; Pacific Ocean; variations; distribution; geophysical surveys; Canada


Soils; rocks; electric conductivity; measuring methods; measuring instruments; stratification; moisture; salinity; connate water; electrical surveys


Geothermal fields; seismology; Earth crust; strains; deformation; geothermal energy; seismic surveys; Yellowstone national park; Wyoming; USA


Geothermal exploration; infrared surveys; remote sensing; geysers geothermal field


Matsukawa geothermal field; seismic surveys; geothermal energy; thermal waters; Japan; geophysical surveys


USSR; Geologic deposits; Petroleum; heat flow; natural gas; geophysical surveys


USSR; heat flow; geophysical surveys


USR; DRS; geologic deposits; geothermal gradients; geophysical surveys; heat flow


USR; geophysical surveys; heat flow; geothermal gradients; geothermal energy


USR; geophysical surveys; heat flow; geothermal gradients


USR; geophysical surveys; heat flow; geothermal gradients


USR; geophysical surveys; heat flow; temperature gradients; boreholes; temperature measurement; geothermal gradients


USR; heat flow; earth crust; geothermal gradients; levels; temperature measurement; geophysical surveys


California; Salton Sea; geothermal exploration; geophysical surveys; electrical surveys; heat flow


Mexico; geothermal exploration; geothermal fields; geophysical surveys


Turkey; geothermal exploration; geophysical surveys; geothermal resources; geothermal energy


JAPAN; geothermal energy; geothermal resources; geothermal exploration; well logging; geophysical surveys; natural steam; chemical composition; geothermal fields


California; Salton Sea; geothermal exploration; geology; geophysical surveys; mineral resources; geothermal fields

02136 Application of geophysics to geothermal areas in Mexico. Del Castillo G., L.;


02140 NEW GEOPHYSICAL PROSPECTION METHOD. Aust. Mining; 62: No. 6, 82-3 (Jun 1970).


GEOTHERMAL ENERGY

MEASURING METHODS

02155 EXPLORE FOR GEOTHERMAL POWER.
Robertson, H. pp 60-1 of Exploration today;
energy tomorrow. Houston, TX: Soc. Explor.
Geophys., from 41. Annual International Meeting

02156 ELECTRICAL EXPLORE FOR GEOTHERMAL
RESOURCES.
Keller, G.V. Geophys. Prospect. (The Hague); 19:

02157 PROPOSAL FOR THE INSTALLATION OF A
GEOTHERMAL NETWORK IN THE GULF OF PUSZOUZI.

02158 INFLUENCE OF GEOTHERMAL TEMPERATURE
GRADIENTS UPON VEGETATION PATTERNS IN
YELLOWSTONE NATIONAL PARK. Sheppard, J.S.

02159 INFRARED REMOTE SENSING OF SOME
GEOTHERMAL FEATURES IN THE TAUPO REGION,
NEW ZEALAND (IN GEOPHYSICS OF THE EARTH AND
THE OCEANS, PART II). Dickinson, D.J.; Hochstein,

02160 AEROMAGNETIC SURVEY OF THE SALTON
SEA GEOTHERMAL FIELD, SOUTHEASTERN CALIFORNIA.
Griscom, A.; Muffler, L.J.P. Geol. Soc. Amer., Bull.;

02161 NOISE MEASUREMENTS IN A GEOTHERMAL
AREA. Goforth, T.; Douze, E.J.; Sorrel, G.G. Geol.

02162 GEOTHERMAL INVESTIGATIONS IN THE
IMPERIAL VALLEY OF CALIFORNIA. Coombs, J.;

02163 HIGH-TEMPERATURE ALTERATION MINERALS
AND THERMAL BRINES, REYKJAVIK, ICELAND.

02164 MICROEARTHQUAKE SURVEY OF GEOTHERMAL
AREAS IN ICELAND. Conant, D.A. Earthquake Notes;

02165 TEMPERATURE EXPLORATION FOR GROUND
WATER IN KAU, HAWAII. Birman, J.H.; Esquina,

02166 STUDY OF HEAT CONDUCTION UNDER EXTREML
CONDITIONS. Shtiller, G.; Zaipold, U.;
Fabel, I.; Foltschlag, G. (Central Inst. Phys.
Earth Acad. Sci. USSR). Geofiz. Ob.; No. 47,

02167 ELECTRICAL GEOPHYSICAL TECHNIQUES IN
GEOTHERMAL EXPLORATION. Harthill, W. Union
Geol. Mex., Reun. Anu., Program Reasunens;
28-9(1972).

02168 INFRARED EMISSION FROM KCERKJJOELL
SUBGLACIAL VOLCANIC AND GEOTHERMAL AREA,
ICELAND. Friedmann, J.D.; Williams, R.S., Jr.;
Thorarinsson, S.; Palmason, G. Joekull
(Reykiavik); 22: 27-43(1972).

02169 STUDY ON REMOTE SENSING OF GEOTHERMAL
RESOURCES; SURFACE TEMPERATURE-CHANGE
SIMULATION MODEL INSTRUMENT. Nishimura, K.;
Hase, H. Chisutsu Chosasho Geppo; 23: No.
3, 147-56(1972). (In Japanese with English
summary).

02170 RECENT GEOPHYSICAL EXPLORATION OF THE
KAWAREA GEOTHERMAL FIELD, NORTH ISLAND,
NEW ZEALAND. McDonald, W.J.P.; Muffler, L.J.P.;

02171 EXPLORATION SIGNIFICANCE OF RECENT
GEOPHYSICAL SURVEYS IN THE MEXICALI-CERRO
PRIETO GEOTHERMAL AREA. Evans, K.A.; Summer,
J.S.; Del Castillo, L. Soc. Explor. Geophys.,

02172 SEISMIC EXPLORE FOR GEOTHERMAL
RESOURCES; GEOPHYSICAL SURVEYS;
GEOTHERMAL RESOURCES; MEASURING
METHODS; MEASURING INSTRUMENTS;
SIMULATION.

02173 SPECTRAL VARIABILITY IN SEISMIC NOISE
MEASUREMENTS AND IMPLICATIONS FOR GEOTHERMAL
EXPLORATION. Crossen, R.S.; Mayers, I.R.
37-8(1972).

02174 MICROEARTHQUAKE STUDIES FOR EXPLORATION
AND DEVELOPMENT OF GEOTHERMAL RESOURCES.

02175 STUDY ON TEMPERATURE EXPLORATION
FOR GROUND WATER. Crystal, J.H.;
Esquina, A. Geol. Soc. Amer., Bull.; 4: No. 3, 128-

GEOTHERMAL EXPLORATION: ELECTRICAL SURVEYS; SEISMIC SURVEYS; POROSITY; ELECTRIC CONDUCTIVITY; GEOPHYSICAL SURVEYS


GEOTHERMAL EXPLORATION: ELECTRICAL SURVEYS; ELECTROMAGNETIC SURVEYS


GEOTHERMAL EXPLORATION: ELECTRICAL SURVEYS; GEOPHYSICAL SURVEYS; MEASURING METHODS


GEOTHERMAL EXPLORATION: ELECTRICAL SURVEYS; GEOPHYSICAL SURVEYS; ELECTRIC CONDUCTIVITY; MEASURING METHODS


IMPERIAL VALLEY: SEISMIC SURVEYS; SEISMIC NOISE; GEOTHERMAL EXPLORATION; CALIFORNIA


JAPAN: GEOTHERMAL EXPLORATION; GEOPHYSICAL SURVEYS; IMPROVED SURVEYS; GEOLOGIC FAULTS; VOLCANOES; HEAT FLOW; THERMAL CONDUCTIVITY; MINERAL RESOURCES; GEOLOGIC FISSURES


IMPERIAL VALLEY: GEOTHERMAL EXPLORATION; GEOPHYSICAL SURVEYS; HEAT FLOW; GEOTHERMAL GRADIENTS; BIBLIOGRAPHIES; CALIFORNIA; MEASURING METHODS; GEOPHYSICAL SURVEYS


IMPERIAL VALLEY: GEOTHERMAL RESOURCES; GEOTHERMAL EXPLORATION; GEOPHYSICAL SURVEYS; GEOCHEMICAL SURVEYS; GEODIGITAL SURVEYS


From 60th Annual Meeting of Cordilleran Section of Geological Society of America; Honolulu, HI (30 Mar-1 Apr 1972).

IMPERIAL VALLEY: CALIFORNIA; GRAVITY SURVEYS; GEOTHERMAL ANOMALIES; CORRELATIONS; SEGMENTS; SILICON OXIDES; SANDSTONES; VOLCANIC ROCKS; GEOPHYSICAL SURVEYS; GEOTHERMAL EXPLORATION


From 60th Annual Meeting of Cordilleran Section of Geological Society of America; Honolulu, HI (30 Mar-1 Apr 1972).

ELECTRIC CONDUCTIVITY; CALIFORNIA; GEOTHERMAL RESOURCES; ELECTRICAL SURVEYS; MAPS; BRAZES; ARIZONA; EXPLORATION; SALINITY; IMPERIAL VALLEY; GEOPHYSICAL SURVEYS


SEISMIC SURVEYS; IMPERIAL VALLEY; GEOTHERMAL FIELDS; GEOTHERMAL RESOURCES; NOISE


From Symposium on Earth Heat Flow; Moscow (10-11 Aug 1971).

USUR; HEAT FLOW; GEOTHERMAL GRADIENTS; GEOLOGIC DEPOSITS; ELECTRIC CONDUCTIVITY; GEOLOGIC FAULTS; GEOPHYSICAL SURVEYS


From Symposium on Earth Heat Flow; Moscow (10-11 Aug 1971).

UKRAINIAN SSR; HEAT FLOW; TECTONICS; DATA; MAPS; GEOLOGIC FAULTS; GEOPHYSICAL SURVEYS


CERRO PRIETO GEOTHERMAL FIELD: AERIAL PROSPECTING; GEOTHERMAL EXPLORATION; MAGNETOMETERS; MAGNETIC FIELDS; GEOPHYSICAL SURVEYS; MAGNETIC SURVEYS; MEXICO


GEOTHERMAL FIELDS; ICELAND; MICROEARTHQUAKES; SEISMIC SURVEYS; REFRACTION; SEISMIC WAVES


Colorado plateau; HEAT FLOW; NEW MEXICO; GEOTHERMAL EXPLORATION

RESISTIVITY STUDIES ON THE IMPERIAL VALLEY GEOTHERMAL AREA, CALIFORNIA. Meidav, T. (Univ. of California, Riverside; Furgerson, R. Geothermics; 1: No. 2, 47-62(Jun 1972).

From Symposium on Earth Heat Flow; Riverside, CA; Trans. American Geophysical Union; 53: No. 4, 442(Apr 1972).

ELECTRIC CONDUCTIVITY; CALIFORNIA; GEOTHERMAL RESOURCES; ELECTRICAL SURVEYS; MAPS; BRAZES; ARIZONA; EXPLORATION; SALINITY; IMPERIAL VALLEY; GEOPHYSICAL SURVEYS


USUR; LAKES; SEAS; GEOPHYSICAL SURVEYS; HEAT
GEOTHERMAL ENERGY


GEOTHERMAL RESOURCES;AERIAL PROSPECTING; MINERALS;GEOPHYSICAL SURVEYS;PHOTOGRAPHY; ULTRAVIOLET SPECTRA;INFRARED SPECTRA;ETHIOPIA; KENYA;GEOTHERMAL EXPLORATION;AFRICA


IMPERIAL VALLEY;CALIFORNIA;SEISMIC SURVEYS; GEOTHERMAL EXPLORATION;HEAT FLOW;SEISMIC NOISE

02195 HEAT FLOW NEAR ORLANDO, FLORIDA AND ULVALDE, TEXAS DETERMINED FROM WELL CUTTINGS. King, W.; Simmons, G. (Massachusetts Inst. of Tech., Cambridge). Geothermics; 1: No. 4, 133-140(Dec 1972).

EXPLORATION;FLORIDA;TEXAS;BORING;GEOLGY; ROCKS;THERMAL CONDUCTIVITY MEASUREMENT;HEAT FLOW;WATER;MEASURING INSTRUMENTS;EARTH CRUST;GEOTHERMAL RESOURCES; GEOTHERMAL SURVEYS


USER;GEOLGY DEPOSITS;EARTHQUAKES;SEISMIC WAVES;WAVE PROPAGATION;VELOCITY;ZONES


GEOTHERMAL RESOURCES;GEOPHYSICAL SURVEYS;PERMEABILITY;EARTH CRUST;GEOTHERMAL EXPLORATION;MEASURING METHODS


CERRO PRIETO GEOTHERMAL FIELD;MAGNETIC SURVEYS;GEOPHYSICAL SURVEYS


GEOTHERMAL EXPLORATION;GEOPHYSICAL SURVEYS; SEISMOLOGY;EARTHQUAKE ALARMS;GEOLGY FAULTS;GEOTHERMAL WAVES;DISTRIBUTION

02200 GEOPHYSICAL METHODS IN GEOTHERMAL EXPLORATION. Hartshill, N. Geophysics; 38: No. 1, 175(1973).

GEOPHYSICAL SURVEYS;GEOTHERMAL EXPLORATION; MEASURING METHODS;ELECTRICAL SURVEYS; ELECTROMAGNETIC SURVEYS


SEISMIC NOISE;GEOPHYSICAL SURVEYS;SEISMIC SURVEYS;CALIFORNIA;GEYSERS GEOTHERMAL FIELD; IMPERIAL VALLEY;GEOTHERMAL EXPLORATION

02202 ELECTRICAL RESISTIVITY IN GEOTHERMAL EXPLORATION. Meidav, T.; Banwell, J. Geophysics; 38: No. 1, 184(1973).

GEOTHERMAL EXPLORATION;ELECTRICAL SURVEYS; MEASURING METHODS;ELECTRIC CONDUCTIVITY;CAP ROCK;NATURAL STEAM


JEMEZ MOUNTAINS;HEAT FLOW;GEOLGY;

GEOPHYSICAL SURVEYS;IGNeous ROCKS;METAMORPHIC ROCKS;LASI;NEW MEXICO


SEAS;SEDIMENTS;HEAT FLOW;MEASURING METHODS; GEOTHERMAL GRADIENTS;GEOLGY;EARTH CRUST;EARTH MANTELE


CANADA;HEAT FLOW;GEOTHERMAL GRADIENTS; GEOPHYSICAL SURVEYS;GEOLGY;BORINGHOLES


GEOLGY DEPOSITS;QUARTZ;GEOTHERMOMETRY; ROMANIA;GEOTHERMAL GRADIENTS;MINERS; INCLUSIONS;SILICON OXIDES;METAMORPHISM


NEW MEXICO;GEOPHYSICAL SURVEYS;HEAT FLOW;USA;

GEOTHERMAL GRADIENTS


GROUND WATER;PROSPECTING;HYDROLOGY; TEMPERATURE MEASUREMENT;GEOTHERMAL GRADIENTS; GEOPHYSICAL SURVEYS;HEAT FLOW


ARIZONA;MINES;GEOTHERMAL GRADIENTS;HEAT FLOW; SULFIDES;METALS;OXIDATION;ORES;GEOPHYSICAL SURVEYS;GEOLGY DEPOSITS


GEOPHYSICAL SURVEYS;GEOLGY DEPOSITS;HEAT FLOW;VARIATIONS;DATA;CANADA


NEW MEXICO;GEOTHERMAL MEASUREMENTS;GEOTHERMAL FAULTS;GRAVITY SURVEYS;MAPS;SEISMIC SURVEYS;BORINGHOLES


CLAYS;POROSITY;CHEMICAL COMPOSITION;

ELECTRICAL SURVEYS;MEASURING METHODS;ELECTRIC CONDUCTIVITY;INCLUSIONS

02213 HEAT FLUX ESTIMATION IN GEOTHERMAL


02230 GEOThermal EXPLORATIoN;ELECTRICAL SURVEYS;GEoTHERMAL RESOURCES;CALIFORNIA;GEOTHERMAL FIELDS;HOT SPRINGS.

02231 THERMAL AND ELECTRICAL RESISTIVITY INVESTIGATIONS OF THE DUNES GEOTHERMAL ANOMALY, IMPERIAL VALLEY, CALIFORNIA. Blackwell, R.G.; Nelson, J.S.; Combs, J. (Harding-Lawson Associates, San Rafael, CA); Amer. Geophys. Union; 54: No. 11, 1214 (Nov 1973). From 1973 Fall Annual Meeting of American Geophysical Union; San Francisco, CA (10-13 Dec 1973). GEOLOGY;SAND;CLAYS;SILT;BOROHOLES;SANDSTONES;TEMPERATURE GRADIENTS;HEAT FLOW;ELECTRICAL SURVEYS;THERMAL WATERS;IMPERIAL VALLEY;CALIFORNIA;GEOTHERMAL EXPLORATION


02234 AIRBORNE THERMAL INFRARED SCANNING USED FOR GEOTHERMAL ENERGY EXPLORATION. De Donato, G. Geotherm. Energy Mag.; 2: No. 4, 55(1974). INFRARED SURVEYS;AERIAL PROSPECTING;AFRICA;GEOPHYSICAL SURVEYS;ETHIOPIA;KENYA;GEOTHERMAL EXPLORATION


02237 YELLOWSTONE HOT SPOT: NEW MAGNETIC AND SEISMIC EVIDENCE. Smith, R.B.; Shuey, R.T.; Friedling, R.D.; Oles, R.M.; Alley, L.B. Geology (Boulder); 2: No. 9, 451-455(1974). YELLOWSTONE NATIONAL PARK;SEISMIC SURVEYS;MAGNETIC SURVEYS;EARTHQUAKES;TECTONICS;HEAT FLOW;HOT SPRINGS


02240 DEPTH OF INVESTIGATION IN RESISTIVITY METHODS USING LINEAR ELECTRODES. Appareo, A.; Reo, T.G. (Nat. Geophys. Res. Inst., Hyderabad, India); Geophys. Prospect. (Netherlands); 22: No. 2, 211-23(1974). ELECTRICAL SURVEYS;MEASURING METHODS;ELECTRODES;CONFIGURATION;ELECTRIC CONDUCTIVITY;GEOPHYSICAL STRATIGRAPHY;MEASURING INSTRUMENTS;DEPTH;OPTIMIZATION

02241 DIRECT INTERPRETATION OF TWO-ELECTRODE RESISTIVITY SOUNDINGS. Kumar, R. (Nat. Geophys. Res. Inst., Hyderabad, India); Geophys. Prospect. (Netherlands); 22: No. 2, 224-37(1974). ELECTRICAL SURVEYS;DATA PROCESSING;MULTI-PARAMETER ANALYSIS;MATHEMATICS;DIAGRAMS;KERNELS

02242 POOR MAN'S SEISMIC SOURCE: A COMPUTER GAME. Alterman, Z.; Censor, D.; Ginzburg, A.; Schoenberg, M. (Tel-Aviv Univ., Ramat-Aviv, Israel); Geophys. Prospect. (Netherlands); 22: No. 2, 281-71(1974). Seismic reflection system using moderate-power controlled source. SEISMIC SURVEYS;SEISMIC DETECTION;EQUIPMENT;DESIGN;MATHEMATICAL MODELS;SEISMIC WAVES;SEISMIC EFFECTS;SIMULATION


02245 ANOMALIES OBSERVED ON WELL LOGS. Hammack, G.W. (Continental Oil Co., Houston, TX); Ferti, W.H. pp V.1-V.22 of Fifteenth Annual Logging Symposium Transactions, McAllen, TX; Houston, TX; Soc. Prof. Well Log Analysts, Inc. (1974). From 15. annual logging symposium; McAllen, Texas, USA (2 Jun 1974). WELL LOGGING;DATA PROCESSING;GEOPHYSICAL SURVEYS;COMPARATIVE EVALUATIONS;ELECTRIC CONDUCTIVITY;GEOLeO DEPOSITS

02246 REVIEW OF THE USE OF LOGS TO DETERMINE ABNORMAL Pressures. Wichmann, P.A. pp C.1-C.16 of Fifteenth Annual Logging Symposium Transactions, McAllen, TX; Houston, TX; Soc. Prof. Well Log Analysts, Inc. (1974). From 15. annual logging symposium; McAllen, Texas, USA (2 Jun 1974). WELL LOGGING;PRESSURE MEASUREMENT;GEOLeO DEPOSITS;SANDWELLS;WATER;GAMMA DETECTION;NEUTRON SOURCES;ELECTRIC CONDUCTIVITY;SOUND WAVES;RELIABILITY;ACCURACY

02247 GEOPHYSICAL Logs FROM THE KILAUEA GEOTHERMAL RESEARCH. Keller, G.V. Fifteenth Annual Symposium of Society of Professional
GEOPHYSICAL TECHNIQUES AND SURVEYS


Klameth Falls, OREGON; ELECTRICAL SURVEYS; HEAT FLOW; GEOTHERMAL EXPLORATION


HEAT FLOW; THERMAL CONDUCTIVITY; GEOTHERMAL GRADIENTS; CORRELATIONS; INDIA


GEOPHYSICAL SURVEYS; PANAMA; COLOMBIA; HEAT FLOW; DATA


ICELAND; GEOTHERMAL GRADIENTS; MAGNETIC SURVEYS; EARTH CRUST; GEOTHERMAL FIELDS


CLAYS; TEMPERATURE DEPENDENCE; ELECTRIC CONDUCTIVITY; PERMITTIVITY; ROCKS; ELECTRICAL PROPERTIES; ELECTRICAL SURVEYS; GEOTHERMAL RESOURCES


EARTH MANTLE; HEAT TRANSFER; TECTONICS; HEAT FLOW; GEOTHERMAL GRADIENTS


SEAS; GEOFYSICAL SURVEYS; MEASURING METHODS; SOUND WAVES; EARTH CRUST


GEOFYSICAL SURVEYS; DATA PROCESSING; BOREHOLES; MEASURING METHODS


GEOFYSICAL RESOURCES; ELECTRICAL SURVEYS; ELECTRIC CONDUCTIVITY; ROCKS; MAPS; GEOTHERMAL FIELDS; IMPERIAL VALLEY; CALIFORNIA

02257 BOREHOLE THERMAL CONDUCTIVITY


GEOFYSICAL EXPLORATION; EARTH CRUST; THERMAL CONDUCTIVITY; HEAT TRANSFER; MEASURING METHODS; GEOFYSICAL SURVEYS; MEASURING INSTRUMENTS


BOREHOLES; TEMPERATURE MEASUREMENT; MEASURING INSTRUMENTS; THERMAL CONDUCTIVITY; SPECIFIC HEAT; GEOLIGIC DEPOSITS


BOREHOLES; MEASURING INSTRUMENTS; MEASURING METHODS; DESIGN


Data from Hakone volcano area using infrared radiation thermometer. JAPAN; GEOTHERMAL FIELDS; VOLCANIC REGIONS; HEAT FLOW; MEASURING METHODS; INFRARED SURVEYS; SOILS; SURFACES; TEMPERATURE MEASUREMENT


GEOTHERMAL FIELDS; HEAT FLOW; MEASURING METHODS; JAPAN; INFRARED SURVEYS; THERMOMETERS


SEISMIC SURVEYS; SEISMIC NOISE; SEISMIC DETECTION; DATA PROCESSING


From 55. Annual meeting of American Geophysical Union; Washington, DC (12 Apr 1974).

IMPERIAL VALLEY; CALIFORNIA; GEOTHERMAL WELLS; DESALINATION; GEOFYSICAL SURVEYS; PERFORMANCE; TEMPERATURE MEASUREMENT; HEAT TRANSFER; FLUID FLOW; THERMAL WATERS; LOGICAL ANALYSIS; SCALING; PIPELINES

02265 TERRESTRIAL HEAT FLOW MEASUREMENTS NEAR ROSIGNANO SOLVAY (TUSCANY), ITALY. Fanelli, M.; Squarci, P. (Consiglio Nazionale delle Ricerche, Inst. Internazionale per le Ricerche Geotermiche, Lungarno Pacinotti 55, Pisa, ITALY); Loddo, M.; Mongelli, F. (Inst. di Geodesia e Geofisica, Univ. di Bari, Italy).

GEOFYSICAL RESOURCES; THERMAL CONDUCTIVITY; TEMPERATURE GRADIENTS; ITALY; GEOFYSICAL SURVEYS; HEAT FLOW
Geochemical Techniques and Surveys

Refer also to citation (S) 58, 205, 249, 250, 265, 454, 498, 505, 545, 552, 587, 631, 694, 702, 719, 764, 783, 787, 788, 797, 820, 859, 890, 897, 961, 980, 992, 995, 996, 1059, 1092, 1013, 1040, 1046, 1056, 1111, 1116, 1127, 1128, 1132, 1133, 1134, 1135, 1136, 1137, 1139, 1141, 1209, 1215, 1235, 1245, 1246, 1271, 1297, 1302, 1310, 1311, 1315, 1349, 1351, 1359, 1379, 1384, 1401, 1409, 1411, 1423, 1426, 1427, 1433, 1452, 1464, 1465, 1479, 1497, 1502, 1513, 1514, 1526, 1530, 1531, 1550, 1558, 1590, 1704, 1717, 1820, 1916, 1956, 2061, 2181, 2182, 2272, 2750, 3237, 3425, 3597, 3612, 3810

02266 GEOTHERMAL ENERGY


Seismic surveys; Italy; Seismic noise; Seismographs; Geothermal fields


From 1. Congress of the European Geophysical Society; Zurich (Sep 1973).

Geophysical surveys; Rocks; Electric properties; Temperature dependence; Diagrams; Electromagnetic surveys; Frequency dependence


Water resources; Exploration; Remote sensing


Soils; Rocks; Geologic deposits; Electrical properties; Measuring methods; Measuring instruments; Geophysical surveys; Electrical surveys; Thermal conductivity


Mexico; Heat flow; Tectonics; Geothermal fields


Yellowstone National Park; Seismic surveys; Geothermal fields; Seismic noise; Old faithful geyser; Frequency dependence


India; Geothermal exploration; Geophysical surveys; Geochemical surveys; Tritium; Thermal waters; Chemical composition; Hot springs; Geochimistry; Geothermal fields

02273 Natural electric field survey in three southern Italy geothermal areas. Rapolla, A. (Istituto di Geol. e Geofis., Univ. degli Studi, Largo S. Mercuriale 10, Napoli, Italy). Geothermics 3: No. 3, 118-21(Sept 1974).

Italy; Geothermal fields; Electrical surveys; Electric fields

02274 Tag hydrothermal field. Scott, R.B.; Scott, M.R. (Texas A and M Univ., College Station, USA); Rona, P.A.; McGregor, B.A. Nature (London); 261: No. 5473, 301-2(27 Sep 1974).

Atlantic Ocean; Geothermal fields; Manganese; Deposition; Geologic deposits; Sediments; Geophysical surveys; Geyser; Hydrothermal systems

02275 Enthalp, computer program for the calculation of aquifer chemistry in hot-water geothermal systems. Treuendell, A.H. (Geological Survey, Menlo Park, Calif. (USA)). Mar 1973. 72p. (USGS-GD-73-0065) NTIS $4.00. Surface water; Ground water; New Mexico; Chemical analysis; Hot springs; Boreholes; Hydrology; Chemical composition

02276 Preliminary study of the quality of water in the drainage area of the Jemez River and Rio Guadalupe. Purtyman, W.D.; West, F.G.; Adams, W.H. (Los Alamos Scientific Lab., N.Mex. (USA)). Apr 1974. 26p. NTIS $4.00. Ground water; Surface water; New Mexico; Jemez Mountains; Boreholes; Water pollution; Sampling; Geochemical surveys; Hot springs; Thermal waters; Chemical composition; Quality control; Water pollution


Surface waters; Ground water; New Mexico; Chemical analysis; Hot springs; Boreholes; Hydrology; Chemical composition


India; Geothermal exploration; Geophysical surveys; Geochemical surveys; Tritium; Thermal waters; Chemical composition; Hot springs; Geochimistry; Geothermal fields


02280 Enthalp, computer program for the calculation of aquifer chemistry in hot-water geothermal systems. Treuendell, A.H. (Geological Survey, Menlo Park, Calif. (USA)). Mar 1973. 72p. (USGS-GD-73-0065) NTIS $4.00. Aquifers; Geochemistry; Computer codes; Enthalp; Chemical composition; Thermal waters; Mathematical models; Hot water systems; Boreholes

02281 Enthalp, a computer program for the calculation of aquifer chemistry in hot-water geothermal systems.

HOT-WATER SYSTEMS; AQUIFERS; CALIFORNIA;
THERMAL-WATERS; CHEMICAL COMPOSITION; ENTHALPY;
GEOThERMAL EXPLORATION; COMPUTER CODES; E CODES

02282 (UCID--16619) PROPOSED GEOTHERMAL
SAMPLER DESIGN. Calder, C.A.; Lord, S.C.;
Davies, D.T.; (California Univ., Livermore
Contract W-7405-Eng-46. 7p. Dep. NTIS
$4.00.

GEOTHERMAL WELLS; BRINES; SAMPLING; SAMPLERS;
DESIGN; TESTING; GEOTHERMAL FLUIDS

02283 EFFECT OF SALINITY ON THE MAXIMUM
THERMAL GRADIENT OF A HYDROTHERMAL SYSTEM AT
HYDROSTATIC PRESSURE. Hass, J.L.; Jr.
(Geological Survey, Washington, DC). Economic
Geology; 66: No. 6, 940-946 (Sep-Oct 1971).

THERMAL WATERS; TEMPERATURE DISTRIBUTION;
SALINITY; DEPTH; BRINES; BOILING; MATHEMATICAL
MODELS; GEOPRESSURED SYSTEMS; HYDROTHERMAL
SYSTEMS; TEMPERATURE GRADIENTS; HOT SPRINGS;
SODIUM; CALCIUM; POTASSIUM; CHLORIDES

02284 CALCULATION OF AQUIFER CHEMISTRY IN HOT-
WATER GEOTHERMAL SYSTEMS. Truesdell, A.H.;
Singers, W. (Geological Survey, Menlo Park,
CA). Journal of Research of the U.S.
Geological Survey; 2: No. 3, 271-279 (May-Jun
1973).

AQUIFERS; GEOCHEMISTRY; ENTHALPY; CHEMICAL
COMPOSITION; SAMPLING; HOT SPRINGS; HOT-WATER
SYSTEMS; COMPUTER CODES; THERMAL WATERS

02285 CHEMISTRY OF THOLEIITES FROM THE
REJKJANES RIDGE AND CHARLIE GIBBS FRACTURE
ZONE. Campsie, J.; Bailey, J.C.; Rasuaussen,
M.; Ditter, F. (Univers, Copenhagen, Denmark).
ICELAND; ATLANTIC OCEAN; BASALT; GEOLOGIC
FAULTS; MAGMA; CHEMICAL COMPOSITION; CHEMICAL
ANALYSIS; MICROANALYSIS; GEOLOGY

02286 OCCURRENCE OF STIBNITE AT STEAMBOAT
SPRINGS, NEVADA. Lindgren, W. A.I.M.E.,

STEAMBOAT SPRINGS; THERMAL WATERS; CHEMICAL
COMPOSITION; GEOLOGY; ANTIMONY SULFIDES;
ABUNDANCE

02287 DATA OF GEOCHEMISTRY. Clarke, F.W.

NEW ZEALAND; HOT SPRINGS; THERMAL WATERS;
ROCKS; CHEMICAL COMPOSITION; MINERALS

02288 CONSTITUENTS AND GENESIS OF A FEW
MINERALS PRODUCED FROM HOT SPRINGS AND THEIR
VICINITIES IN JAPAN. Suganuma, I. Bull.

JAPAN; HOT SPRINGS; MINERALS; DEPOSITION;
BARIUM SULFATES; LEAD SULFATES; PH VALUE;
HYDROCHLORIC ACID; ALUMINIUM SULFATES;
HYDROGEN SULFIDES; CARBON DIOXIDE;
ARAGONITE; PRECIPITATION; CALCIUM CARBONATES;
CHEMICAL COMPOSITION

02289 ACID GASES AND INCURSATIONS IN THE
VALLEY OF TEN THOUSAND SMOKES (KATMAI, ALASKA).
Zies, E.G. pp 77-107 of Report of the director
of the geophysical laboratory, yearbook 27.
Washington; Carnegie Inst. (1928).

ALASKA; FUMAROLES; GEOCHEMISTRY; FUMAROLIC
FLUIDS; CHEMICAL COMPOSITION; HYDROGEN SULFIDES;
HYDROCHLORIC ACID; HYDROFLUORIC ACID;
ABUNDANCE

02290 GEOLOGIC THERMOMETRY. Bowen, W.L.
pp 172-99 of Laboratory investigation of ores,
York; McGraw-Hill Book Co. (1928).

MINERALS; ORES; GEOTHERMOMETRY; PHASE
TRANSFORMATIONS; FLUIDS; INCLUSIONS; ROCKS;
DEPOSITS; SILICON OXIDES; CHEMICAL COMPOSITION;
MEASURING METHODS

02291 COMPARISON OF WATERS OF MINES AND OF
HOT SPRINGS. Emmons, W.H.; Harrington, G.L.
Econ. Geol.; 8: 653-669 (1913).

HOT SPRINGS; MAGMATIC WATERS; MINERALS;
CHEMICAL ANALYSIS; THERMAL WATERS; GROUND WATER;
CHEMICAL COMPOSITION

02292 WATER ANALYSES FROM THE LABORATORY OF
THE UNITED STATES GEOLOGICAL SURVEY. Clarke,
40p.

USA; HOT SPRINGS; THERMAL WATERS; CHEMICAL
COMPOSITION

02293 OCCURRENCE OF STIBNITE AND METASTIBNITE
AT STEAMBOAT SPRINGS, NEVADA. Jones, J.C.

STEAMBOAT SPRINGS; THERMAL WATERS; CHEMICAL
COMPOSITION; ANTIMONY SULFIDES; GEOLOGIC DEPOSITS;
ARSENIC SULFIDES; SODIUM COMPOUNDS; SULFUR
COMPOUNDS; ABUNDANCE; MINERALS; GEOLOGY

02294 WATER SUPPLIES IN THE PHILIPPINE
ISLANDS, Z. Helme, G.W. Philipp. J. Sci.;
10: No. 2, Sec. A, 135-69 (1915).

PHILIPPINES; HOT SPRINGS; THERMAL WATERS;
CHEMICAL COMPOSITION

02295 RADIOACTIVITY IN THERMAL GASES AT THE
GEYSERS, SONOMA COUNTY, CALIFORNIA. Bradley,
W.W. CA Min. Bur. Rpt.; 18: No. 10, 545-
560 (1922).

NEW YORK; CALIFORNIA; THERMAL GASES;
GEOTHERMAL FLUIDS; RADIATION HAZARDS;
GEOTHERMAL WELLS; BRINES; SAMPLING; SAMPLERS;
CHEMICAL COMPOSITION; MINERALS

02296 THERMAL WATERS; CHEMICAL COMPOSITION

02297 ACID GASES AND INCURSATIONS IN THE
VALLEY OF TEN THOUSAND SMOKES (KATMAI, ALASKA).
Zies, E.G. pp 77-107 of Report of the director
of the geophysical laboratory, yearbook 27.
Washington; Carnegie Inst. (1928).

ALASKA; FUMAROLES; GEOCHEMISTRY; FUMAROLIC
FLUIDS; CHEMICAL COMPOSITION; HYDROGEN SULFIDES;
HYDROCHLORIC ACID; HYDROFLUORIC ACID; ABUNDANCE

02298 GEOCHEMICAL TECHNIQUES AND SURVEYS 119

02299 MINERALIZATION OF THE THERMAL WATERS OF
HOT SPRINGS AT THE GEYSERS, SONOMA COUNTY,
18: No. 10, 545-560 (1922).

NEW ZEALAND; HOT SPRINGS; THERMAL WATERS;
ROCKS; CHEMICAL COMPOSITION; MINERALS

02300 FUMAROLES AND BOILING SPRINGS OF
TUSCANY AND THE BORAX INDUSTRY. Nasini, R.
G.S. Geologi; 550 (1922).

TUSCANY; HOT SPRINGS; THERMAL WATERS; ORES;
CHEMICAL COMPOSITION; MINERALS

02301 MINERALIZATION OF THE THERMAL WATERS OF
AIX-LES-BAINS (SAVOY) AND ITS GEOLOGICAL
SIGNIFICANCE. Lepape, A.; Moret, L.; Schneider,
G. Acad. Sci. Compt. Rend.; 180: No. 10, 1706-
1710 (1924).

ITALY; THERMAL WATERS; CHEMICAL COMPOSITION;
HELIUM; ARAGONITE; PRECIPITATION; CALCIUM
CARBONATES; GEOLOGY; MINERALS

02302 CHEMICAL ANALYSIS; THERMAL WATERS;
GROUNDC WATERS; GEOCHEMISTRY; VOLCANOES;
DIATOMACEOUS EARTH; HELIUM; ARGON; ORIGIN;
HYDROLOGY; GEOLOGY; NITROGEN; ORGANIC
ACIDS; OXIDATION; REDUCTION; PH VALUE; ABUNDANCE;
GEOCHEMICAL TECHNIQUES AND SURVEYS


ITALY; NATURAL STEAM; THERMAL WATERS; CHEMICAL COMPOSITION; CARBONATES; ORIGIN

NEW ZEALAND; HOT SPRINGS; GEOCHEMISTRY; MAGMA; CHLORIDES; SULFATES; CHEMICAL COMPOSITION; GROUND WATER; HYDROGEN SULFIDES; PH VALUE; THERMAL WATERS

YELLOWSTONE NATIONAL PARK; GEYSERS; GEOTHERMAL FIELD; LARDERELLO GEOTHERMAL FIELD; STEAMBOAT SPRINGS; CALIFORNIA; HOT SPRINGS; THERMAL WATERS; ISOTOPE RATIO; GEOCHEMISTRY

IRON SULFIDES; ZINC SULFIDES; GEOTHERMOMETRY; SOLUBILITY; MINERALIZATION; GEOTHERMOMETERS; PERFORMANCE

JAPAN; HOT SPRINGS; THERMAL WATERS; GEOCHEMISTRY; CHEMICAL COMPOSITION; MINERALS; GRANITES; CARBON DIOXIDE; ORIGIN; GEOLOGY; COAL

JAPAN; HOT SPRINGS; THERMAL WATERS; CHEMICAL COMPOSITION; GEOCHEMICAL SURVEYS; SULFUR; ALKALI METALS

YELLOWSTONE NATIONAL PARK; NEW ZEALAND; THERMAL WATERS; METEORIC WATER; HOT SPRINGS; GROUND WATER; PH VALUE; GEOCHEMISTRY; ISOTOPE RATIO; DEUTERIUM; OXYGEN 18; HYDROGEN ISOTOPE; OXYGEN ISOTOPES; CHEMICAL ANALYSIS; SURFACE WATERS

JAPAN; HOT SPRINGS; RADON; QUANTITY RATIO; GRANITES; THERMAL WATERS; SODIUM CHLORIDES; SULFATES; SALTINESS; ABUNDANCE; CHEMICAL COMPOSITION

ITALY; HOT SPRINGS; GEOCHEMISTRY; THERMAL WATERS; CHEMICAL COMPOSITION; SEAWATER; METEORIC WATER; MINERAL SPRINGS

GEOTHERMAL SURVEYS; THERMAL WATERS; NATURAL STEAM; CHEMICAL COMPOSITION; GASES; WAIRAKEI GEOTHERMAL FIELD; HOT SPRINGS; CHLORIDES

02334 STUDIES ON NATURAL STEAM AT EBINO HOT SPRING IN MIYAZAKI PREFECTURE. Chishitsu Chosasho Geppo; 6: No. 10, 611-620 (1955).
(In Japanese with English summary).
JAPAN; NATURAL STEAM; THERMAL WATERS; CHEMICAL COMPOSITION; THERMAL WATERS; VOLCANIC REGIONS; GEOLOGICAL SURVEYS; GEOPHYSICAL SURVEYS; GEOCHEMICAL SURVEYS; GEOTHERMAL EXPLORATION; HYDROGEN SULFIDES; CARBON DIOXIDE; SULFUR DIOXIDE

METEORIC WATER; THERMAL WATERS; ISOTOPE RATIO; RAIN; EVAPORATION; CONDENSATES; GEOCHEMISTRY

02336 FLUORINE IN THERMAL SPRINGS OF LOW MINERAL CONTENT. Alekseev, A.A. Geokhimiya: No. 4, 58-63 (1956).
FLUORINE; GEOCHEMISTRY; HOT SPRINGS; THERMAL WATERS; CHEMICAL COMPOSITION; FUMAROLES; ABUNDANCE

GEOTHERMAL FIELDS; HOT SPRINGS; CHEMICAL COMPOSITION; THERMAL WATERS; DEUTERIUM; OXYGEN 18; ISOTOPE RATIO; METEORIC WATER; PH VALUE; SULFATES; CHLORIDES; SURFACE WATERS; ROCKS; ISOTOPE EXCHANGE; ABUNDANCE; HYDROGEN ISOTOPE

JAPAN; GEYSERS; HOT SPRINGS; THERMAL WATERS; CHEMICAL COMPOSITION; TEMPERATURE DISTRIBUTION

JAPAN; NATURAL STEAM; GEOCHEMISTRY; DRILLING; MATSUKAWA GEOTHERMAL FIELD; CHLORIDES; BOREHOLES; ORIGIN; GEOCHEMICAL SURVEYS

BOREHOLES; FRANCE; GEOCHEMISTRY; URANIUM; SULFIDES; IRON; HYDROXIDES; CHEMICAL COMPOSITION; DRILL CORES; THERMAL WATERS; ROCKS

VOLCANOES; THERMAL WATERS; CHEMICAL COMPOSITION; TEMPERATURE DEPENDENCE; PRESSURE DEPENDENCE; MAGMA; METEORIC WATER; MAGMATIC WATER; ROCKS; CHEMICAL REACTIONS

HOT SPRINGS; MERCURY SULFIDES; PRECIPITATION; CHEMICAL COMPOSITION; CALIFORNIA

JAPAN; GEOCHRONOLOGICAL FIELDS; HOT SPRINGS; GEOLOGY; QUARTZ; FELSIFLARTS; TUFF; GEOTHERMAL FLUIDS; CHEMICAL COMPOSITION; SULFUR; HYDROGEN SULFIDES; ROCKS; HYDROTHERMAL ALTERATION; CLAYS; IRON
SULFIDES; BOREHOLES; STRATIFICATION


JAPAN; HOT SPRINGS; CHEMICAL COMPOSITION; ORIGIN; QUARTZ; CHLORIDE; CARBONIC ACID DERIVATIVES


JAPAN; HOT SPRINGS; CHEMICAL COMPOSITION; GERMANIUM; ABUNDANCE; BORON; TEMPERATURE DEPENDENCE; MINERALS; ABSORPTION SPECTROSCOPY


Contains tabulated analytical data. HOT SPRINGS; CHEMICAL COMPOSITION; LIMESTONE; IGNEOUS ROCKS; GASES; GEOTHERMISTRY; THERMAL WATERS


AFRICA; HOT SPRINGS; CHEMICAL COMPOSITION; GEOLOGICAL FAULTS; VOLCANOES; FUMAROLIC FLUIDS; BRINES; MEDIUM TEMPERATURE; HELIUM; THERMAL WATERS; GEOLOGICAL FAULTS


JAPAN; HOT SPRINGS; GEOTHERMISTRY; THERMAL WATERS; CHEMICAL COMPOSITION; CHLORINE; HYDROGEN COMPOUNDS; CARBONATES; ABUNDANCE


NEW ZEALAND; GEOTHERMAL FIELDS; GAMMA RADIATION; RADIOACTIVITY; HOT SPRINGS; THERMAL WATERS; RADON


N. Z.; AFRICA; HOT SPRINGS; CHEMICAL COMPOSITION; GEOLOGICAL FIELD; BOREHOLES; THERMAL WATERS; SULFUR ISOTOPES; ISOPE RATIO; CHLORIDES; SULFIDES; GEOTHERMOMETRY; GROUND WATER; ORIGIN; CHEMICAL COMPOSITION; SULFATES


JAPAN; HOT SPRINGS; THERMAL WATERS; OXYSULFIDES; OXYCHLORIDES; ABUNDANCE; SEAWATER; CHEMICAL COMPOSITION


JAPAN; HOT SPRINGS; CHEMICAL COMPOSITION; GERMANIUM; SILVER; ZINC; CHROMIUM; TRACE AMOUNTS; THERMAL WATERS; ABUNDANCE


JAPAN; HOT SPRINGS; CHEMICAL COMPOSITION; SULFATES; CHLORIDES; SEAWATER; COMPARATIVE


SULFUR ISOTOPES; ISOPTIC RATIO; GEOLOGICAL DEPOSITS; SULFUR; DIFFUSION; GEOTHERMOMETRY; CHEMICAL REACTIONS; ORIGIN; EARTH CRUST


JAPAN; HOT SPRINGS; THERMAL WATERS; TEMPERATURE MEASUREMENT; FLOW RATE; CHEMICAL COMPOSITION; QUARTZ; SANDSTONES; SHALES; GEOCHEMICAL SURVEYS


JAPAN; HOT SPRINGS; THERMAL WATERS; TEMPERATURE DEPENDENCE; MINERALS; ABSORPTION SPECTROSCOPY


THERMAL WATERS; ISOPTIC RATIO; OXYGEN ISOTOPES; CALCULM CARBONATES; HOT SPRINGS; SEDIMENTS; ROCKS; GEOTHERMOMETRY; ERRORS; HIGH TEMPERATURE; VERY HIGH TEMPERATURE; CHEMICAL REACTIONS; HYDROTHERMAL ALTERATION


JAPAN; HOT SPRINGS; VOLCANIC REGIONS; ROCKS; CHEMICAL COMPOSITION; ORIGIN; CHLORINE IONS; CARBONATES; HYDROTHERMAL ALTERATION; MAGMATIC WATER; BROMINE IONS; IODIUM IONS; THERMAL WATERS; ALKALI METALS


AFRICA; HOT SPRINGS; THERMAL WATERS; CHEMICAL COMPOSITION; CARBON DIOXIDE; YELLOWSTONE NATIONAL PARK


NEW ZEALAND; GEOTHERMAL FIELDS; NATURAL RADIOACTIVITY; FUMAROLES; FUMAROLIC FLUIDS; CHEMICAL COMPOSITION; RADON; RADON 220; ABUNDANCE; ROCKS


USSR; HOT SPRINGS; GYERSES; VOLCANIC REGIONS; GEOTHERMAL FLUIDS; CHEMICAL COMPOSITION; METEORIC WATER; ORIGIN


JAPAN; HOT SPRINGS; GEOTHERMISTRY; THERMAL WATERS; CHEMICAL COMPOSITION; TEMPERATURE DEPENDENCE; HYDROLOGY


02373 GEOThERMOMETRIC INVESTIGATIONS ON THE METALLIFEROUS DEPOSIT IN THE NISTRU BASIN, BAIA MARE REGION. Pominleau, V.V. Insit Univ. An. Stiint.; 7: No. 1, Sec. 2, 149-54(1961).


02384 ISOTOPIC COMPOSITION OF HYDROGEN AND
VARIATION OF VOLCANIC HYDROTHERMAL ACTIVITY.


JAPAN;HOT SPRINGS;CHEMICAL COMPOSITION;HYDROGEN ISOTOPES;DEUTERIUM;ISOPOE RATIO;BOILING;THERMAL WATERS


JAPAN;VOLCANIC REGIONS;THERMAL WATERS;CHEMICAL COMPOSITION;YELLOWSTONE NATIONAL PARK;NEW ZEALAND;ICELAND;HAWAII;SULFUR;CHLORINE;PH VALUE;MAGMATIC WATER;HOT SPRINGS;VOLCANOES

02386 CHEMICAL NATURE OF FUMAROLIC GASES OF VOLCANO SHOWASHINZAKAN, HOKKAIDO, JAPAN.


JAPAN;VOLCANOES;FUMAROLIC FLUIDS;CHEMICAL COMPOSITION;CHEMICAL REACTIONS;TEMPERATURE DEPENDENCE;PRESSURE DEPENDENCE;GEYSERS

02387 RESEARCHES ON THE HOT SPRING GROUP IN ARIMA.


JAPAN;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;SALINITY;MAGMA;CARBON DIOXIDE

02388 MASS SPECTROMETER MEASUREMENTS IN THE THERMAL AREAS OF NEW ZEALAND, CARBON ISOTOPIC RATIOS.


NEW ZEALAND;HYDROTHERMAL SYSTEMS;GEOTHERMAL FIELD;CHEMICAL COMPOSITION;WAIKAREI GEOTHERMAL FIELD;CHEMICAL COMPOSITION;CARBON ISOTOPES;METHANE;CARBON DIOXIDE;BOREHOLES;FUMAROLES;ISOPOE RATIO;GEOTHERMAL SURVEYS;CHEMISTRY;THERMAL WATERS;FUMAROLIC FLUIDS;WAIRAKEI GEOTHERMAL FIELD;TEMPERATURE MEASUREMENT

02389 MASS SPECTROMETER MEASUREMENTS IN THE THERMAL AREAS OF NEW ZEALAND, CARBON DIOXIDE AND RESIDUAL GAS ANALYSES.


HYDROTHERMAL SYSTEMS;CHEMICAL COMPOSITION;GEOTHERMAL SYSTEMS;CHEMICAL COMPOSITION;CARBON DIOXIDE;METHANE;CHEMICAL COMPOSITION;ARGON ISOTOPES;NITROGEN;CARBON DIOXIDE;METHANE;THERMAL WATERS;NEW ZEALAND;TEMPERATURE MEASUREMENT;FUMAROLIC FLUIDS;GEOTHERMAL SYSTEMS;CHEMICAL ANALYSIS;ISOTOPE RATIO;ARGON;ABUNDANCE

02390 CHEMICAL SURVEY OF THE STEAM AND WATER DISCHARGED FROM DRILLHOLES AND HOT SPRINGS AT KAWERAU.


KAWERAU GEOTHERMAL FIELD;THERMAL WATERS;CHEMICAL SURVEYS;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION

02391 CHEMICAL COMPOSITION OF VOLCANIC GASES IN JAPAN.


JAPAN;VOLCANOES;FUMAROLIC FLUIDS;CHEMICAL COMPOSITION;HOT SPRINGS;HYDROGEN;CHLORINE;SULFUR DIOXIDE;HYDROGEN SULFIDES;HYDROCHLORIC ACID;SULFATES

02392 NATURE OF CHLORIDES OF DEEP BRINES.


USSS;BRINES;VOLCANIC REGIONS;THERMAL WATERS;CHEMICAL COMPOSITION;ARTESIAN BASINS;MINERALIZATION;MINERALS;HYDROCARBONS;MAGMA;SODIUM CHLORIDES

02393 CARBONATE MINERAL WATERS OF KAMCHATKA.


USSS;THERMAL WATERS;CHEMICAL COMPOSITION;ION EXCHANGE;CUNATE WATER;FELDSPARS;LEACHING;CHLORIDES;CARBONATES;MAGNESIUM;CALCIUM;SODIUM;GEOTHERMAL ENERGY;GEOLoGy;CALCIUM CARBONATES;HOT SPRINGS

02394 CARBON DIOXIDE AND HYDROGEN SULFIDE CONTENT OF STEAM FROM DRILLHOLES AT WAIRAKEI, NEW ZEALAND.


NEW ZEALAND;WAIRAKEI GEOTHERMAL FIELD;NATURAL STEAM;CHEMICAL COMPOSITION;CARBON DIOXIDE;HYDROGEN SULFIDES;BOREHOLES;THERMAL WATERS;ORIGIN

02395 GEOCHEMICAL INVESTIGATIONS OF GEYSERS IN JAPAN.


JAPAN;GEYSERS;GEOTHERMAL FLUIDS;CHEMICAL COMPOSITION;HOT SPRINGS;FLOW RATE

02396 VOLCANIC GASES IN JAPAN.


JAPAN;VOLCANIC REGIONS;HOT SPRINGS;VOLCANOES;FUMAROLES;CHEMICAL COMPOSITION;RADIOACTIVITY;FUMAROLIC FLUIDS;THERMAL WATERS;RADIUM;THORIUM;ABUNDANCE

02397 ANALYSIS OF MINERAL WATERS OF LAMALOU HOT SPRINGS.


NEW ZEALAND;HYDROTHERMAL AREAS;CHEMICAL COMPOSITION;GEOLOGY;GEOCHEMISTRY

02398 CARBON ISOPOE COMPOSITION OF CARBON DIOXIDE AND METHANE FROM STEAM JETS OF TUSCANY.


From Geothermal Areas Symposium; Spoleto, Italy (9-13 Sep 1973).

LARDERELLO GEOTHERMAL FIELD;NATURAL STEAM;CARBON DIOXIDE;CHEMICAL COMPOSITION;METHANE;EXPLORATION;ISOTOPE DATING;GEOTHERMAL SURVEYS;SAMPLING;CHEMICAL ANALYSIS;ISOTOPE EXCHANGE

02399 CHEMICAL INVESTIGATIONS AT WAIRAKEI.


NEW ZEALAND;WAIRAKEI GEOTHERMAL FIELD;THERMAL WATERS;BOREHOLES;CHEMICAL COMPOSITION;CHLORIDES;ABUNDANCE;GEOLOGIC FAULTS;GEOTHERMAL SURVEYS

02400 BORON IN WATERS AND ROCKS OF NEW ZEALAND HYDROTHERMAL AREAS.


NEW ZEALAND;ROCKS;THERMAL WATERS;CHEMICAL COMPOSITION;BORON;CHLORIDES;ABUNDANCE;CHEMICAL REACTIONS;GEOTHERMAL FIELDS

02401 CONDITIONS OF RECENT HYDROTHERMAL METAMORPHISM OF VOLCANIC ROCKS.


NEW ZEALAND;HYDROTHERMAL SYSTEMS;CHEMICAL COMPOSITION;VOLCANIC ROCKS;WAIKAREI GEOTHERMAL FIELD;CHEMICAL REACTIONS;HYDROTHERMAL ALTERATION;LEACHING;QUARTZITES;ZOELITES;PH VALUE;METAMORPHIC ROCKS;ZONE

02402 ISOTOPE COMPOSITION AND ORIGIN OF THE THERMAL WATERS AND GASES OF THE MASSIF CENTRAL.


FRANCE;THERMAL WATERS;ISOTOPE RATIO;OXYGEN ISOTOPE;DISSOLVED CARBON;CARBON
GEOCHEMICAL TECHNIQUES AND SURVEYS

DIOXIDE; TEMPERATURE DEPENDENCE; CARBON ISOtopes; MAGMATIC WATER; CHEMICAL COMPOSITION; ORIGIN

02403 HYDROGEOCHEMICAL MATERIALS. Bogomolov, G.V.; Balashov, L.S. (eds.). Moscow; USSR; Akad. Nauk SSSR, Lab. Girogeol. Problem (1963). 130p. SURFACE WATERS; GROUND WATER; THERMAL WATERS; GEOCHEMISTRY; SALINITY; CHEMICAL COMPOSITION; CLAYS


THERMAL WATERS; CHEMICAL COMPOSITION; CALCIUM; CHEMICAL ANALYSIS; PHOTOMETRY; SULFATES; SILICON OXIDES; POTASSIUM; SODIUM; ALUMINIUM; PHOSPHATES; MAGNESIUM


SOUTH AFRICA; GEOLOGIC FAULTS; TEMPERATURE DISTRIBUTION; SALINITY; CHEMICAL COMPOSITION; THERMAL WATERS


NEW ZEALAND; HOT SPRINGS; THERMAL WATERS; TRITIUM; ISOPOTE RATIO; GEOCHEMISTRY; ABUNDANCE; HYDROGEN ISOtopes; CHLORIDES; ENTHALPY


From UN Conference on New Sources of Energy; Rome, Italy (1961).

NEW ZEALAND; GEOTHERMAL FIELDS; WAIKARI GEOTHERMAL FIELD; FUMAROLES; CARBON 13; CARBON DIOXIDE; METHANE; SULFUR ISOtopes; ISOPOTE RATIO; FUMAROLIC FLUIDS; HYDROGEN ISOtopes; TEMPERATURE MEASUREMENT; DEUTERIUM; OXYGEN 16; OXYGEN 18; GEOTHERMOMETRY; GEOTHERMAL FLUIDS; GEOCHEMICAL SURVEYS


NEW ZEALAND; THERMAL WATERS; CHEMICAL COMPOSITION; SULFATES; CARBONATES; HOT SPRINGS; BOREHOLES


NEW ZEALAND; THERMAL WATERS; CHEMICAL COMPOSITION; SULFATES; SILOPOTE OXIDES; SALINITY


SOUTH VIETNAM; HOT SPRINGS; THERMAL WATERS; CHEMICAL COMPOSITION; SILICON OXIDES; SALINITY


From UN Conference on New Sources of Energy; Rome, Italy (1961).

THERMAL WATERS; GEOCHEMICAL SURVEYS; HOT SPRINGS; CHEMICAL COMPOSITION; CHEMICAL ANALYSIS; BY-PRODUCTS; HYDROGEN SULFIDES; SAMPLING; BORIC ACID; AMMONIA; NATURAL STEAM; GEOTHERMAL FIELDS


From UN Conference on New Sources of Energy; Rome, Italy (1961).

GEOTHERMAL WATERS; GAS ANALYSIS; CHEMICAL COMPOSITION; NATURAL STEAM; SAMPLING; QUANTITATIVE CHEMICAL ANALYSIS; GAS CHROMATOGRAPHY; ARGON; HELIUM; MOLECULAR SIEVES; GEOTHERMAL FLUIDS; LARDERELLO GEOTHERMAL FIELD; METHANE; NITROGEN; CARBON DIOXIDE; HYDROGEN

02414 MINERAL WATER CONSIDERED IN RELATION TO THEIR CHEMISTRY AND GEOCHEMISTRY. Lecoq, H. Paris; France; J. Rothschild (1864). 463p. HOT SPRINGS; THERMAL WATERS; CHEMICAL COMPOSITION; TEMPERATURE MEASUREMENT; GEOCHEMISTRY; MINERAL SPRINGS


MAGMA; GASES; MAGMATIC WATER; VOLCANOES; HOT SPRINGS; THERMAL WATERS; CHEMICAL COMPOSITION; DEPOSITS; FUMAROLIC FLUIDS; PRESSURE DEPENDENCE; TEMPERATURE DEPENDENCE


SOUTH AFRICA; TRANSVAAL; HOT SPRINGS; THERMAL WATERS; CHEMICAL COMPOSITION


WAIKARI GEOTHERMAL FIELD; THERMAL WATERS; HOT SPRINGS; GEYSERS; FUMAROLIC FLUIDS; CHEMICAL COMPOSITION; GEOTHERMAL EXPLORATION; GEOCHEMICAL SURVEYS; NATURAL STEAM; NEW ZEALAND


From UN Conference on New Sources of Energy; Rome, Italy (1961).

HOT SPRINGS; PH VALUE; CHEMICAL COMPOSITION; ISOTOPE SEPARATION; DEUTERIUM; CORRELATIONS; SPECTROSCOPY; THERMAL WATERS; INFRARED SPECTRA; EL SALVADOR; GEOCHEMISTRY

02419 POSSIBILITY OF USING THE SYSTEM ZNS + FES AS A GEOLOGIC THERMOMETER. Kudenko, A.A.; Stetsenko, V.P. Geokhimiya; No. 11, 1152-1156 (1964).

GEOTHERMETERS; COMPARATIVE EVALUATIONS; PERFORMANCE; ERRORS; ZINC SULFIDES; IRON SULFIDES; GEOTHERMOMETRY; MEASURING METHODS; INCLUSIONS

02420 MINERAL WATERS IN BULGARIA. Chiterev, K.; Martinov, S.L.; Levterov, B.K. Genie 1; 141: No. 8, 161-164 (1964).

BULGARIA; MINERAL SPRINGS; HOT SPRINGS; THERMAL WATERS; CHEMICAL COMPOSITION; TEMPERATURE MEASUREMENT; GASES

02421 QUESTION OF THE HYDROTHERMAL METAMORPHISM OF ROCKS IN POST-VOLCANIC
<table>
<thead>
<tr>
<th>Title</th>
<th>Author(s)</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geothermal Energy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Processes as exemplified in Ebeko volcano</td>
<td>Sidorov, S.S. Dokl., Earth Sci. Sect. (Engl. Transl.); 154: No. 1-6, 153-154(1964).</td>
<td>USSR; Volcanics; Hydrothermal alteration; Thermal waters; Chemical composition; Potassium; Volcanic rocks; Alunite; Sodium; Quantity ratio; Geologic deposits</td>
</tr>
<tr>
<td>Japan; Hot springs; Mineral springs; Geochemistry; Thermal waters; Chemical composition; Sulfur; Hydrogen sulfides; Sodium; Chlorides; Carbon dioxide; Abundance; Temperature measurement; Volcanic regions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Japan; Hot springs; Geochemistry; Thermal waters; Chemical composition; Sulfates; Chlorine; Hydrogen compounds; Abundance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>New Zealand; Geothermal exploration; Thermal waters; Wairakei geothermal field; Chemical composition; Aquifers; Geothermal fluids; Sodium chlorides; Silicon oxides; Calcium carbonates; Sulfur; Hydrogen sulfides; Volcanic rocks</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chemistry of thermal water and gases in Iceland</td>
<td>Sigvaldason, G.E. pp 160-1 of International Symposium Volcanol., New Zealand, Proceedings (1965).</td>
<td>Iceland; Thermal waters; Chemical composition; Hot springs; Basalt; Volcanic regions; Geologic deposits; Leaching; Salts</td>
</tr>
<tr>
<td>Chemical composition of the hot salty water at the bottom of the Red Sea</td>
<td>Brewer, P.G.; Rilke, J.P.; Culkin, J.P. Nature (London); 206: No. 4991, 1345-6(1965).</td>
<td>Red Sea; Brines; Thermal waters; Chemical composition; Geothermal resources; Connate water; Origin; Chlorine</td>
</tr>
<tr>
<td>Chemical gases of Stromboli</td>
<td>Chaigneau, M. Acad. Sci. Compt. Rend.; 261: No. 11, 2241-4(1965).</td>
<td>Italy; Volcanics; Gases; Chemical composition; Hydrogen; Fumarolic fluids</td>
</tr>
<tr>
<td>Applications of sulfur isotope ratios to volcanological and geothermal problems</td>
<td>Wilson, S.H. pp 191-2 of International Symposium Volcanol., New Zealand; International Symp. Volcanol. (1965).</td>
<td>Volcanic regions; Natural steam; Sulfur 34; Sulfur 32; Isotope ratio; Hydrogen sulfides; Sulfuric acid; Chemical composition; New Zealand; Volcanics; Sulfur isotopes; Fumarolic fluids</td>
</tr>
<tr>
<td>Isotope geochemistry of carbon and rare gases in the hydrothermal areas of New Zealand</td>
<td>Hulston, J.R. pp 83 of International Symposium on Volcanology, New Zealand; Int. Symp. Volcanol. (1965).</td>
<td>New Zealand; Volcanics; Geochemistry; Carbon isotopes; Rare gases; Isotopes; Temperature measurement; Wairakei geothermal field; Carbon</td>
</tr>
<tr>
<td>Sulfur isotopic fractionation between sulfur and sulfuric acid in the hydrothermal solution of sulfur dioxide</td>
<td>Genay, S.; Ito, T. Geochem. J. (Nagoya); 1: No. 1, 15-50(1966).</td>
<td>Hot springs; Chemical composition; Sulfuric Dioxide; Methane; Geothermometry; Hydrothermal systems; Geothermal surveys</td>
</tr>
<tr>
<td>Metal contents of some geothermal fluids</td>
<td>White, D.E. pp 434-43 of Symposium Prob. Postmagmatic Ore Deposition, Prague, Volume 2, Prague: Symp. Prob. Postmagmatic Ore Deposition (1965).</td>
<td>Chemical composition; Origin; Natural steam; Geologic deposits; Metals; Ores; Halogens; Alkali metal compounds; Mineral springs; Hot springs; Fumarolic fluids; Thermal waters</td>
</tr>
<tr>
<td>Recent sulphur isotope measurements on a variety of specimens examined in New Zealand</td>
<td>Rafter, T.A. Bull. Volcanol.; 28: 177-94(1965).</td>
<td>Sulfur isotopes; Isotope ratio; Wairakei geothermal field; Geochemical surveys; Fumarolic fluids; New Zealand; Rain; Snow; Antarctic regions; Minerals; Australian; Chemical composition; Thermal waters; Boreholes</td>
</tr>
<tr>
<td>Mineral and thermal waters of the Gulf of Naples region</td>
<td>Carle, W. Geol. Rundsch.; 54: No. 2, 1261-1313(1965). (English, Italian, Russian summaries).</td>
<td>Italy; Hot springs; Mineral springs; Chemical composition; Sodium; Chlorine; Seawater; Connate water; Mixing; Volcanic regions; Carbonates; Hydrogen sulfides; Thermal waters</td>
</tr>
<tr>
<td>Geochemistry of hot springs of volcanic regions</td>
<td>Ellis, A.J. pp 167-79 of Problems geokhimii (Vinogradov Jubilee V). Moscow; Izdatele't'sto 'Nauka' (1965).</td>
<td>Fumarolic springs; Geochemistry; Thermal waters; Chemical composition; Hydrothermal alteration; Exploitation; New Zealand</td>
</tr>
<tr>
<td>Japan; Hot springs; Geochemistry; Chemical composition; Sulfates; Chlorine; Origin; Seawater; Temperature measurement</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Geochemical investigation of the hot springs in the Zao volcanic region</td>
<td>Kato, S. Onsen Kagaku; 15: No. 3-4, 125-32(1965). (In Japanese with English abstract).</td>
<td>Japan; Hot springs; Geochemistry; Thermal waters; Sulfuric acid; Hydrochloric acid; Ground water; Gases; Mafic water; Minerals; Rocks; Chemical reactions; Chemical composition; Temperature dependence; Volcanic regions</td>
</tr>
<tr>
<td>Geochemical studies on mineral springs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Part 11. Change of chemical compounds with lapse of years in Ito spa.</td>
<td>Masuko, Y.; Kanroji, Y.; Onsen Kagaku; 15: No. 3-4, 113-24(1965). (In Japanese with English abstract).</td>
<td>Japan; Hot springs; Geochemistry; Thermal waters; Chemical composition; Temperature measurement; Time dependence; Chlorine; Sulfates; Abundance; Ground water; Mixing</td>
</tr>
<tr>
<td>Sulfur isotope fractionation between sulfur and sulfuric acid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Geology of fields; Geochemistry; Carbon isotopes; Rare gases; Isotopes; Temperature measurement; Wairakei geothermal field; Carbon</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
ACID; SULFATES; SULFUR OXIDES; CHEMICAL REACTIONS; SULFURIC ACID; THERMAL WATERS; CHEMICAL ANALYSIS; SULFUR ISOTOPES; ISOTOPIC SEPARATION


NEW MEXICO; THERMAL WATERS; CHEMICAL COMPOSITION; DATA COMPILATION; HOT SPRINGS; GEOThermal WELLS


JAPAN; VOLCANIC REGIONS; CHEMICAL COMPOSITION; HOT SPRINGS; IODINE; CHLORINE; ABUNDANCE; ISOTOPE RATIO; FUMAROLIC FLUIDS; THERMAL WATERS


NEW ZEALAND; THERMAL WATERS; CHEMICAL COMPOSITION; ORIGIN; THERMAL WATERS; FUMAROLIC FLUIDS; SILICON OXIDES; TEMPERATURE MEASUREMENT; QUARTZ; HYDROGEN SULFIDES


ICELAND; HOT SPRINGS; CHEMICAL COMPOSITION; ORIGIN; THERMAL WATERS; FUMAROLIC FLUIDS; SILICON OXIDES; TEMPERATURE MEASUREMENT; QUARTZ; HYDROGEN SULFIDES


NEW ZEALAND; THERMAL WATERS; CHEMICAL COMPOSITION; ORIGIN; TRITIUM; RADIOACTIVE MATERIALS


Use as deep-water temperature indicator. WAIrAKEI GEOTHERMAL FIELD; THERMAL WATERS; GEOThermal WELLs; GEOTHERMOMETRY; SILICON OXIDES; ABUNDANCE; CHEMICAL COMPOSITION


JAPAN; HOT SPRINGS; GEOChemISTRY; THERMAL WATERS; CHEMICAL COMPOSITION; ORIGIN; TRITIUM; RADIOACTIVE MATERIALS


SULFUR ISOTOPES; ISOTOPE RATIO; HOT SPRINGS; GEOChemISTRY; CHLORINE; SULFUR; ABUNDANCE; CHEMICAL COMPOSITION; THERMAL WATERS

02447 SULFUR ISOTOPES IN PYRITE, PYRRHOTITE, ALUNITE AND ANHYDRITE FROM STEAM WELLS IN THE TAupo VOLCANIC ZONE, NEW ZEALAND. Steiner, A.; Rafter, T.A. Econ. Geol.; 61: No. 6, 115-29 (1966).

NEW ZEALAND; VOLCANIC REGIONS; NATURAL STEAM; GEOThermal WELLS; VOLCANIC ROCKS; SULFUR 32; SULFUR 34; ISOTOPE RATIO; PYRITES; MINERALS; CALCIUM SULFATES; ALUNITE; ANHYDRITE; CHEMICAL COMPOSITION; SULFUR ISOTOPES; GEOThermal FLUIDS


SALTON SEA; BRINES; SEDIMENTS; LAVA; STRONTIUM ISOTOPES; LEAD ISOTOPES; ISOTOPE RATIO; GLASS


ROCKS; CHEMICAL ANALYSIS; FELDSPARS; ABUNDANCE; GEOTHERMOMETRY; MEASURING METHODS


NEW MEXICO; THERMAL WATERS; SODIUM IONS; GROUND WATER; MEDIUM TEMPERATURE; QUANTITY RATIO; CHEMICAL COMPOSITION; ABUNDANCE


JAPAN; HOT SPRINGS; THERMAL WATERS; CHEMICAL COMPOSITION; TEMPERATURE DISTRIBUTION; BOREHOLES; ROCKS; SALTIVITY; SULFURIC ACID; VOLCANIC REGIONS; CRATERS


JAPAN; HOT SPRINGS; THERMAL WATERS; CHEMICAL COMPOSITION; TEMPERATURE DEPENDENCE; GEOChemISTRY


JAPAN; HOT SPRINGS; THERMAL WATERS; CHEMICAL COMPOSITION; RADIUM; CHEMICAL COMPOSITION; CARBONATES; CHLORINE; BRINES; TEMPERATURE DEPENDENCE; VOLCANIC REGIONS


JAPAN; FUMAROLIC GASES; HOT SPRINGS; FUMAROLIC FLUIDS; GEOChemISTRY; THERMAL WATERS; GROUND WATER; CHEMICAL COMPOSITION; CARBONATES; CHLORINE; BRINES; TEMPERATURE DEPENDENCE; VOLCANIC REGIONS


NEW ZEALAND; VOLCANIC REGIONS; THERMAL WATERS; CHEMICAL COMPOSITION; GEOChemISTRY; VOLCANIC ROCKS; HYDROTHERMAL ALTERATION; HYDROTHERMAL SYSTEMS


NEW ZEALAND; VOLCANIC REGIONS; THERMAL WATERS; CHEMICAL COMPOSITION; GEOChemISTRY; VOLCANIC ROCKS; HYDROTHERMAL ALTERATION; HYDROTHERMAL SYSTEMS


VOLCANIC ROCKS; CHEMICAL COMPOSITION;
BERYLLIUM; SILICON OXIDES; WATER; TRACE AMOUNTS; FLUORINE; CORRELATIONS; MICROANALYSIS; MINERAL RESOURCES; PROSPECTING; GEODETIC DEPOSITS; ABUNDANCE.


NEW ZEALAND; CHEMICAL COMPOSITION; ISOPORE RATIO; SULFUR ISOTOPES; HYDROGEN SULFIDES; SULFURIC ACID; BOREHOLES; THERMAL WATERS; VOLCANIC REGIONS; TEMPERATURE MEASUREMENT; FUMAROLIC FLUIDS; SAMPLING; GEOTHERMAL FIELDS.


WAIRAKEI GEOTHERMAL FIELD; HYDROTHERMAL SYSTEMS; GEOLOGY; GEOPHYSICS; TRITIUM; OXYGEN ISOTOPES; SEAWATER; HYDROGEN ISOTOPES; ISOPORE RATIO; VOLCANIC REGIONS; TEMPERATURE MEASUREMENT; THERMAL WATERS; METEORIC WATER; SODIUM; POTASSIUM; DEUTERIUM.


GEOTHERMAL FIELDS; HOT SPRINGS; GEOCHEMISTRY; THERMAL WATERS; ISOPORE RATIO; RADIATION MONITORING; TRITIUM; METEORIC WATER; ISOPORE DATING; CHEMICAL COMPOSITION; ABUNDANCE.


JAPAN; HOT SPRINGS; THERMAL WATERS; CHEMICAL COMPOSITION; CHLORIDES; BROMINE; QUANTITY RATIO; GEOCHEMISTRY.


SALTON SEA; BRINES; CHEMICAL COMPOSITION; SULFIDES; ABUNDANCE; MINERALS.


IGNeous ROCKS; METAMORPHIC ROCKS; ISOPORE RATIO; OXYGEN ISOTOPES; OXYGEN 16; OXYGEN 18; TEMPERATURE MEASUREMENT; MINERALS; SEDIMENTARY ROCKS; SILICATES.


NEW ZEALAND; GROUND WATER; RAIN WATER; THERMAL WATERS; SEAWATER; SNOW; TRITIUM; ISOPORE RATIO; RADIOACTIVITY; NATIONAL ORGANIZATIONS; RESEARCH PROGRAMS; CHEMICAL COMPOSITION; CHEMICAL ANALYSIS.


ACI LARDERELLO GEOTHERMAL FIELD; NATURAL STEAM; ARGON; ISOPORE RATIO; CHEMICAL COMPOSITION; ABUNDANCE; ARGON ISOPORE.


ACI LARDERELLO GEOTHERMAL FIELD; TEMPERATURE MEASUREMENT; DEPTH; CARBON DIOXIDE; METHANE; NATURAL STEAM; ISOPORE RATIO; CARBON ISOPORE; GEOCHEMISTRY; CHEMICAL COMPOSITION; GEOCHEMICAL SURVEYS.

02474 ISOPORE GEOCHEMISTRY OF WATER AND CARBON IN GEOTHERMAL AREAS. Craig, H. pp 17-53 of Nuclear geology on geothermal areas, Spoleto.
02475 GEOCHEMISTRY OF GERMANIUM IN CARBONATED THERMAL WATERS, BASED ON THE EXAMPLES OF THE GREATER CAUCASUS AND THE PAMIRS. Kraynov, S.R.; Geokhimiya; No. 6, 737-9 (1967); IN Relation between temperature and evolution of He and CO2. TANZANIA; HOT SPRINGS; GEOCHEMISTRY; THERMAL WATERS; CHEMICAL COMPOSITION; GERMANIUM; GEOCHEMISTRY; ABUNDANCE; SEDIMENTARY ROCKS; HYDROTHERMAL ALTERATION; CARBONATES; METAMORPHISM; USSR; CHEMICAL ANALYSIS


02484 METAL CONTENT OF THE HIGHLY MINERALIZED THERMAL WATERS OF CHELEGEN. Lebedev, L.M.; U.S.S.R;


02494 ISOTOPIC COMPOSITION OF OXYGEN AND HYDROGEN OF WATERS IN OPEN WATER BODIES AND VOLCANIC SPRINGS. Vetshtayn, V.Ye.; Gulyanitskaya, T.P.; Coyner, V.N.; Brezgunov, V.S.; Shimarinov, M.N.; Geokhimiya; No. 6, 737-9 (1967).


02498 GEOTHERMAL WATERS; CHEMICAL COMPOSITION; FLUIDS; CHEMICAL COMPOSITION; THERMAL WATERS; CHEMICAL COMPOSITION; HYDROTHERMAL ALTERATION; ROCKS; HYDROTHERMAL ALTERATION; CHEMICAL REACTIONS.


GEOTHERMAL ENERGY


JAPAN;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;STORNIUM;ABUNDANCE;CALCIUM;CALCIUM CARBONATES


NEW ZEALAND;HOT SPRINGS;CHEMICAL COMPOSITION;MINERALS;CHEMICAL REACTIONS;ROCKS;THERMAL WATERS;CHLORINE;BORON;AMMONIA;LITHIUM;RUBIDIUM;CESIUM;METEORIC WATER


THERMAL WATERS;ARTESIAN BASINS; THERMODYNAMICS;ISOTOPE RATIO;CHLORINE ISOTOPES;BROMINE ISOTOPES;GEODEMY;CHEMICAL COMPOSITION


SALTON SEA;GEOTHERMAL WELLS;GEOLOGY;ROCKS;MINERALS;OXYGEN ISOTOPE;HYDROTHERMAL ALTERATION;CARBONATES;SILICATES;TEMPERATURE DEPENDENCE;CALCITE;QUARTZ;THERMAL WATERS;CHEMICAL REACTIONS;ISOTOPE RATIO;TEMPERATURE MEASUREMENT


REPUBLIC OF KOREA;CHEMICAL COMPOSITION;HOT SPRINGS;GEOCHEMISTRY;RADON;ANTIMONY;POTTASUM;GRANITES;THERMAL WATERS


USSR;THERMAL WATERS;CHEMICAL COMPOSITION;ORGANIC COMPOUNDS;ORIGIN


SILICON OXIDES;KAOLIN;QUANTITY RATIO;FELDSPARS;HOT SPRINGS;MINERAL SPRINGS;METAMORPHIC ROCKS;GRANITES;FRANCE;EQUILIBRIUM;ABUNDANCE;THERMAL WATERS;CHEMICAL COMPOSITION


USSR;THERMAL WATERS;GEOCHEMISTRY;CHEMICAL COMPOSITION;MINERALIZATION;GEOLOGY;ORIGIN


JAPAN;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;ARSENIC;ABUNDANCE;HYDROCHLORIC ACID;SULFURIC ACID


VOLCANIC REGIONS;THERMAL WATERS;CHEMICAL COMPOSITION;TITANIUM;IRON;ALUMINIUM;SILICON OXIDES;BAUXITE;REVIEWS


RED SEA;BRINES;SEDIMENTS;THERMAL WATERS;CHEMICAL COMPOSITION;ISOTOPE RATIO;IRON;MAGNESIUM;PH VALUE;CHLORIDES;CALCIUM COMPOUNDS;SULFATES


RED SEA;BRINES;SEDIMENTS;THERMAL WATERS; CHEMICAL COMPOSITION;ISOTOPE RATIO;SULFUR ISOTOPES;SULFUR;IRON;MANGANESE;ABUNDANCE


(Morocco;HOT SPRINGS;THERMAL WATERS;CHEMICAL COMPOSITION;ISOTOID;CALCIUM;CHLORINE;HYDROGEN COMPOUNDS;CARBONATES


GEOHEROMETERS;GARNETS;IGNEOUS ROCKS;CRYSTALLIZATION;TEMPERATURE MEASUREMENT


DE SALTON SEA BRINES;CHEMICAL COMPOSITION;ISOTOPE RATIO;COLORADO RIVER;METEORIC WATER;SEDIMENTS


GEYSERS GEOTHERMAL FIELD;FUMAROLIC FLUIDS;CHEMICAL COMPOSITION;AMMONIUM COMPOUNDS;SULFURIC ACID;MINERALS;RECOVERY;CONDENSATES


JAPAN;THERMAL WATERS;CHEMICAL COMPOSITION;TEMPERATURE DEPENDENCE;HOT SPRINGS;ORIGIN

Fumigulic fluids; Chemical composition; Helium isotopes; Isotope ratio; Helium 4; Meteoric water; Beta decay; Earth mantle; Earth atmosphere.


Japan; Hot springs; Thermal waters; Chemical composition; Geology; Sodium; Chlorides; Carbonates.


Japan; Hot springs; Thermal waters; Chemical composition; Arsenic; Abundance; Hydrochloric acid; Sulfuric acid.


Methane; U.S.S.R.; Thermal waters; Chemical composition; Water resources; Radioactivity; Radiation hazards; Abundance; Iron; Chlorine; Ammonia; Sulfur oxides; Sodium; Potassium; Calcium; Magnesium; Aluminum; Silicon oxides; Strontium; Barium; Manganese; Copper; Iodine; Fluoride; Nitrogen.


In 5 thermal waters. Geothermal exploration; Larderello geothermal field; Thermal waters; Chemical composition; Boron; Ammonium compounds; Abundance.


Iceland; Thermal water; Chemical composition; Deuterium; Tritium; Earth atmosphere; Atmospheric precipitation; Isotope ratio; Fallout.


U.S.S.R.; Thermal waters; Chemical composition; Salinity; pH value; Mineral springs; Germanium; Abundance; Natural radioactivity; Hydrology; Geology; Silicates; Chlorides; Sodium compounds; Calcium compounds.


U.S.S.R.; Mineral springs; Thermal waters; Chemical composition; Ph value; Volcanic sulfides; Methane; Nitrogen; Sulfates; Chlorides; Sodium compounds; Nitrogen.


Guatemala; Volcanoes; Fumarolic fluids; Rocks; Chemical composition; Minerals; Data; Chlorine; Boron; Fluoride; Sodium; Potassium; Calcium; Magnesium.


New Zealand; Wairakei geothermal field; Thermal waters; Hot springs; Geothermal wells; Chemical composition; PH value; Sodium; Potassium; Chlorine; Carbonates; Gold; Silver; Abundance; Precipitation; Rocks; Quartz; Hydrothermal alteration; Calcite; Montmorillonite; Chlorite minerals; Economics.


France; Hot springs; Mineral springs; Chemical composition; Meteoric water; Isotope ratio; Hydrogen isotopes; Oxygen isotopes; Thermal waters.


U.S.S.R.; Volcanoes; Fumarolic fluids; Rocks; Chemical composition; Uranium; Thorium; Abundance; Radon isotopes; Protactinium isotopes; Helium in volcanic gases. Ishii, S. Econ. Geol.; 64: 95-108 (1969).

France; Hot springs; Mineral springs; Chemical composition; Meteoric water; Isotope ratio; Hydrogen isotopes; Oxygen isotopes; Thermal waters.


Red Sea; Sediments; Lead isotopes; Isotope ratio; Mineralization; Gases; Pyrites; Brines.

02524 Radioisotopes in the waters of New Zealand regions of the Caucasus. Kuptsov, V.M.; Cherdyntsev, V.V.; Zverev, V.I. Geokhimiya; No. 9, 1153-5 (1969).

U.S.S.R.; Thermal waters; Gases; Rocks; Chemical composition; Uranium isotopes; Radium isotopes; Thorium isotopes; Radon isotopes; Isotope ratio; Radioactivity.

02525 Products of the decay of uranium and thorium in the active volcanism of the U.S.S.R. Kuptsov, V.M.; Cherdyntsev, V.V. Geokhimiya; No. 6, 643-58 (1969).

U.S.S.R.; Volcanoes; Fumarolic fluids; Radioactivity; Chemical composition; Uranium isotopes; Radon isotopes; Protactinium isotopes; Thorium isotopes; Radioactivity.

02526 Isotopic composition of lead in volcanic rocks from central Honshu - with regard to basalt genesis. Tatsuno, M.; Knight, R.J. Geochem. J. (Nagoya); 3: No. 1, 53-86 (1969).

Japan; Igneous rocks; Basalt; Chemical composition; Lead isotopes; Isotope ratio; Uranium; Volcanic rocks.

02527 Lead isotope measurements on volcanics and associated gilnetias from the Cordemange-Te Aroha region, New Zealand. Cooper, J.A.;
GEOThermal Energy

No. 11, 1213(Nov 1973).

From 1973 Fall Annual Meeting of American Geophysical Union; San Francisco, CA (10-13 Dec 1973).

GEOThermal exploration: California; Geochemical Surveys; SODIUM; POTASSIUM; CALCIUM; QUANTITY RATIO; IMPERIAL VALLEY


HOT SPRINGS: CHEMICAL COMPOSITION; ISOTOPE RATIO; GASES; THERMAL WATERS; TEMPERATURE MEASUREMENT; GEOCHEMICAL SURVEYS; GEOTHERMAL RESOURCES; FUMAROLI


THERMAL WATERS; GROUND WATER; MIXTURES; HOT SPRINGS; TEMPERATURE MEASUREMENT; SILICON OXIDES; GEOCHEMICAL SURVEYS; ENTHALPY


AQUIFERS; CHEMICAL PROPERTIES; ENTHALPY; THERMAL WATERS; TEMPERATURE MEASUREMENT; HOT-WATER SYSTEMS; GEOCHEMISTRY; HYDROTHERMAL SYSTEMS


BROADLANDS GEOThermal FIELD; THERMAL WATERS; HYDROTHERMAL ALTERATION; CHEMICAL COMPOSITION; GEOCHEMISTRY; HYDROLOGY; INCLUSIONS; QUARTZ; SPHALERITES; HEAT FLOW; BOREHOLES; GEOTHERMOMETRY


NEW ZEALAND; INCLUSIONS; GEOCHEMISTRY; BROADLANDS GEOThermal FIELD; QUARTZ; SPHALERITES; THERMAL WATERS; BOREHOLES; HEAT FLOW; GEOThermal ENERGY; GEOThERMOMETRY; COMPARATIVE EVALUATIONS


MAGMA; GASES; ORIGIN; GEOCHEMISTRY; METAMORPHISM; HYDROTHERMAL SYSTEMS


NEW ZEALAND: INCLUSIONS; GEOCHEMISTRY; BROADLANDS GEOThermal FIELD; QUARTZ; SPHALERITES; THERMAL WATERS; BOREHOLES; HEAT FLOW; GEOThermal ENERGY; GEOThERMOMETRY; COMPARATIVE EVALUATIONS


Trans-Atlantic geotraverse. ATLANTIC OCEAN; HYDROTHERMAL SYSTEM; THERMAL WATERS; CHEMICAL COMPOSITION; SILICON OXIDES; FLUORIDES; SEAWATER; ABUNDANCE; GEOCHEMISTRY

02632 Tag hydrothermal field. Scott, R.B.; Scott, M.R.; Swanson, S.B.; Rona, P.A.;


Trans-Atlantic geotraverse. ATLANTIC OCEAN; HYDROTHERMAL SYSTEM; THERMAL WATERS; CHEMICAL COMPOSITION; MANGANESE; MANGANESE HYDROXIDES; MINERALS; GEOLOGIC DEPOSITS; ABUNDANCE


USSR; HYDROTHERMAL SYSTEMS; THERMAL WATERS; CHEMICAL COMPOSITION; CARBONATeS; CARBON ISOTOPES; OXYGEN ISOTOPES; ISOTOPE RATIO; MINERALS; GEOCHEMISTRY; SOLIMITE


POWdERS; QUARTZ; DISSOLUTION; AQUEOUS SOLUTIONS; SOLVENT PROPERTIES; pH VALUE; HYDROTHERMAL ALTERATION; SILICATES


Fe-S-H2O system at 2500. BROADLANDS GEOTHERMAL FIELD; THERMAL FLUIDS; IRON SULFIDES; EQUILIBRIUM; OXIDATION; pH VALUE; CHEMICAL REACTION KINETICS; PHASE STUDIES

02636 Imperial valley investigations: utilization of the sodium-potassium-calcium geothermal exploration technique in the Imperial valley area, California. Coplen, T.B. (Univ. of California, Riverside); Geotherm. Energy Mag.; 2: No. 2, 32-34(Feb 1974).

Fournier and Truesdell technique. POTASSIUM; SODIUM; SODIUM; GEOCHEMICAL SURVEYS; IMPERIAL VALLEY; GEOTHERMAL EXPLORATION; CALIFORNIA; CHEMICAL ANALYSIS; SURFACE WATERS; ECONOMICS; GEOCHEMISTRY; THERMOMETERS; TEMPERATURE MEASUREMENT.


SODIUM; POTASSIUM; CALCIUM; IMPERIAL VALLEY; THERMAL AREAS OF UTAH; GEOThERMOMETER; GEOTHERMAL RESOURCES; GEOCHEMICAL SURVEYS; IMPERIAL VALLEY; GEOTHERMAL EXPLORATION; CALIFORNIA; QUANTITY RATIO; GEOTHERMOMETER

02638 Oxygen isotopic ratios of sulfate ions-water pairs as a possible geothermometer. Cortecchi, G. (Lab. di Geologia Nuclare, Universita di Pisa, Italy); Geothermics; 3: No. 2, 50-4(Jun 1974).

OXYGEN 18; ISOTOPE RATIO; SULFATES; WATER; THERMAL WATERS; OXYGEN 16; GEOCHEMICAL SURVEYS; LARDERELLO GEOTHERMAL FIELD; GEOTHERMOMETER; OXYGEN ISOTOPES; ITALY


FIJI; HOT SPRINGS; THERMAL WATERS; CHEMICAL COMPOSITION


60p.

Geyserite. NEW ZEALAND; MINERALS; CHEMICAL COMPOSITION; SILICON OXIDES

02641 Occurrence of sulphur, orpiment, and...
EXPLORATORY DRILLING

REALGAR IN THE YELLOWSTONE NATIONAL PARK.
YELLOWSTONE NATIONAL PARK; HOT SPRINGS; FUMAROLES; SULFATARAS; CHIMICAL COMPOSITION; SULFUR; MINERALS; ARSENIC SULFIDES; GEOLOGIC DEPOSITS; GEOTHERMAL FLUIDS

02642 REPORT ON WORK DONE IN THE DIVISION OF CHEMISTRY DURING THE FISCAL YEARS 1891-92 AND 1892-93.
Chemical analysis of water from Ojo Caliente Spring, Taos County, N.Mex.; NEW MEXICO; HOT SPRINGS; THERMAL WATERS; CHEMICAL COMPOSITION

02643 COMPOSITION AND PROPERTIES OF THE MINERAL WATERS OF AUSTRALASIA.
NEW ZEALAND; MINERAL SPRINGS; THERMAL WATERS; CHEMICAL COMPOSITION

Exploratory Drilling

REFER ALSO TO CITATION (S) 198, 438, 449, 459, 1308, 1327, 1505, 1734, 1759, 1833, 2006, 2074, 2116, 2378, 3125, 3132, 3268

02644 (AD--774108) ULTRA-DEEP DRILLING FOR GEOTHERMALS. FINAL REPORT.
GEOTHERMAL WELLS; WELL DRILLING; POWER POTENTIAL; HOT-DRY-ROCK SYSTEMS; GEOThERMAL GRADIENTS; ECONOMICS; ENERGY SOURCES

02645 (EIS-CA--73-0188-F) PROPOSED DEEP GEOTHERMAL TEST WELl, GEOTHERMAL RESOURCE INVESTIGATIONS, IMPERIAL VALLEY, CALIFORNIA. (SUPPLEMENT TO THE FINAL ENVIRONMENTAL IMPACT STATEMENT).
(Bureau of Reclamation, Boulder City, NV). Feb 1973. 10p. (EIR--0188; FES--72-9). NTIS $3.00; $0.95 (mf).
DEEP GEOTHERMAL TEST WELl; WELL DRILLING; THERMAL WATERS; CHEMICAL COMPOSITION; DEPOSITS; GEOTHERMAL FLUIDS

02646 (LA--7570-MS) GEOLOGY OF GEOTHERMAL TEST HOLE GT-2 FENTON HILL SITE, JULY 1974.
LASL; NEW MEXICO; GEOTHERMAL EXPLORATION; BOREHOLES; WELl LOGGING; DRILLING; HYDROLOGY; GEOLOGY; STRATIGRAPHY; VOLCANIC ROCKS; SEDIMENTARY ROCKS; GRANITES; HOT-DRY-ROCK SYSTEMS; GEOLOGICAL SURVEYS

02647 (LA--5819-PR) PLANNING, DRILLING, AND LOGGING OF GEOTHERMAL TEST HOLE GT-2, PHASE II.
NEW MEXICO; GEOTHERMAL EXPLORATION; HOT-DRY-ROCK SYSTEMS; BOREHOLES; WELL LOGGING; DRILLING; SPECIFICATIONS; GEOLOGICAL SURVEYS; THERMAL WATERS; DEPOSITS; GEOTHERMAL FLUIDS

02648 (PB--205161D) DEEP GEOTHERMAL TEST WELl, GEOTHERMAL RESOURCE INVESTIGATIONS, IMPERIAL VALLEY, CA. (DRAFT ENVIRONMENTAL IMPACT STATEMENT).
(Bureau of Reclamation, Boulder City, NV). Jan 1972. 19p. NTIS $3.00; $0.95 (af).
GEOTHERMAL WELLS; IMPERIAL VALLEY; BOREHOLES; CALIFORNIA; DRILLING; ENVIRONMENTAL EFFECTS; GEOTHERMAL EXPLORATION

02649 (PB--205161-D) PROPOSED DEEP GEOTHERMAL TEST WELl, GEOTHERMAL RESOURCE INVESTIGATIONS, IMPERIAL VALLEY, CALIFORNIA. (DRAFT ENVIRONMENTAL IMPACT STATEMENT).
IMPERIAL VALLEY; GEOTHERMAL EXPLORATION; BOREHOLES; DRILLING; ENVIRONMENTAL IMPACT STATEMENTS; GEOTHERMAL RESOURCES; EXPLORATION; POTENTIAL WELL DEPTH; DESALINATION; BRINES; LAND USE; GEOTHERMAL WELLS; PLANNING; WELL DRILLING

02650 (PB--205161-F) PROPOSED DEEP GEOTHERMAL TEST WELl, GEOTHERMAL RESOURCE INVESTIGATIONS, IMPERIAL VALLEY, CA (FINAL ENVIRONMENTAL IMPACT STATEMENT). Apr 1972. 82p. NTIS $3.00.
Potential well depth 4000-8000 ft. DRILLING; GEOTHERMAL WELLS; IMPERIAL VALLEY; CALIFORNIA; NATURAL STEAM; BRINES; ENVIRONMENTAL EFFECTS; GEOTHERMAL EXPLORATION

02651 (PB--237111) DRILLING AT THE SUMMIT OF KILAUEA VOLCANO.
GEOTHERMAL ENERGY; VOLCANOES; DRILLING; HAWAII; BASALT; BOREHOLES; GEOTHERMAL EXPLORATION

02652 HOW TO DRILL FOR UNDERGROUND STEAM.
GEOTHERMAL FIELDS; WELL DRILLING; REVIEWS; GEOTHERMAL EXPLORATION; EQUIPMENT; NATURAL STEAM; THERMAL WATERS; CHEMICAL COMPOSITION; POWER GENERATION; COST

02653 DEEP THERMAL FLUX IN KOLKHOZA LOWLAND.
USSR; BOREHOLES; THERMAL CONDUCTIVITY; TEMPERATURE GRADIENTS; DEPTH; HEAT FLOW; GEOTHERMAL EXPLORATION; HEAT; ENERGY YIELD

02654 PRELIMINARY LIST OF DEEP BORINGS IN THE UNITED STATES.
USA; BOREHOLES; FLUID FLOW; WATER

02655 TEMPERATURE IN WORLD'S DEEPEST WELLS.
Van Ostrand, C.E. Oil Gas J.; 26: No. 48, 64(1928).
BOREHOLES; TEMPERATURE MEASUREMENT; CALIFORNIA; TEXAS; OKLAHOMA; WYOMING

02656 GUIDE TO DEEP-DRILLING TECHNIQUE.
Stein, P. Berlin; Julius Springer (1932).
GEOTHERMAL WELLS; DEPTh; GEOTHERMAL EXPLORATION; GEOTHERMAL WELLS

02657 RESULTS OF WELL TEMPERATURE TESTS IN WYOMING.
Taylor, B. Petrol. Engr.; 3: No. 8, 64(1932).
WYOMING; BOREHOLES; TEMPERATURE MEASUREMENT; TEMPERATURE DISTRIBUTION; MEASURING INSTRUMENTS
GEOTHERMAL ENERGY

02658 GEOTHERMIC MEASUREMENTS IN WELLS. Chahazeroq, D.; Petrol. Minas; 13: No. 11, 5-7(1933).
BOREHOLES;TEMPERATURE DISTRIBUTION; TEMPERATURE MEASUREMENT; THERMOMETERS; SPECIFICATIONS; PERFORMANCE; ACCURACY

BOREHOLES; ELECTRICAL EQUIPMENT; ELECTRICAL SURVEYS; PERFORMANCE

02660 TEMPERATURE GRADIENT IN THE WORLD'S DEEPEST WELL. Bell, A.H. Min. Met. (New York); 19: No. 381, 410(1938).
BOREHOLES; GEOGRAPHICAL SURVEYS; TEMPERATURE GRADIENTS; TEMPERATURE MEASUREMENT; ACCURACY; CALIFORNIA

02661 THERMAL CORING OF WELLS. Diakonov, D.J.; Neft. Khuz.; 19: No. 6, 5-9(1938).
BOREHOLES; ELECTRICAL SURVEYS; TEMPERATURE MEASUREMENT; ROCKS; THERMAL CONDUCTIVITY; TEMPERATURE DISTRIBUTION

02662 NEW MILE POST IN DEEP DRILLING. McMasters, J.H.; Petrol. World; 38: No. 6, 39-46(1941).
San Joaquín Valley. CALIFORNIA; GEOTHERMAL FIELDS; BOREHOLES; DRILLING; WELL LOGGING; GEOLOGIC DEPOSITS; GEOTHERMAL FLUIDS; GEOLOGY; GEOLOGICAL SURVEYS

02663 ELECTRICAL LOGGING. Bowsky, M.C.; Mines Mag.; 31: No. 3, 115-16(1941). Effects of mud. ELECTRIC CABLES; ELECTRODES; WELL LOGGING; DIELECTRIC MATERIALS; ELECTRIC CONDUCTIVITY; ELECTRICAL SURVEYS

BOREHOLES; WELL LOGGING; GEOPHYSICAL SURVEYS; ELECTRICAL SURVEYS; FLUID FLOW; FLOW RATE; TEMPERATURE MEASUREMENT; PETROLEUM

02665 STUDY OF THE HYPOTHETICAL VERTICALLY ASCENDING CURRENT OF JUVENILE WATER. Aquilina, C.; Riv. Geomineraria Geol., Geofisica Appl.; 3: No. 2, 19-32(1942). GROUND WATER; VAPOR CONDENSATION; HIGH TEMPERATURE; NATURAL STEAM; DEPTH; GEOLOGIC STRATA; GEOTHERMAL EXPLORATION; WELL DRILLING

BOREHOLES; ELECTRICAL SURVEYS; MEASURING METHODS; TEMPERATURE GRADIENTS; ROCKS; PHYSICAL PROPERTIES; WELL LOGGING

02667 TEMPERATURE WELL-LOGGING HEAT CONDUCTION. Guyod, H.C.; Oil Weekly; 123: No. 8, 35-40(1946). (BM-IC-7714). WELL LOGGING; ELECTRIC CONDUCTIVITY; THERMAL CONDUCTIVITY; EXPLORATION; PROSPECTING; GEOLoGIC DEPOSITS; GEOLOGIC FAULTS; EARTH CRUST; HEAT FLOW; TEMPERATURE MEASUREMENT

BOREHOLES; MEASURING METHODS; WELL LOGGING; MEETINGS; COST; ECONOMICS; BIBLIOGRAPHIES

ARGENTINA; GEOTHERMAL WELLS; THERMAL WATERS; CHEMICAL COMPOSITION; MINERALS; ABUNDANCE; DEPTH; PHYSICAL PROPERTIES; CHEMICAL PROPERTIES

02670 RESULTS OF EXPLORATORY DRILLING IN CAMPI FLEGREI REGION AND OF PROSPECTING FOR VAPOR, THERMAL WATER, AND ENDOGENOUS FORCES. Pente, F.; Conf. Geofis. Ann. Geofis. (Rome); 4: No. 3, 369-85(1951). (In Italian). MEASURED water temperatures to 225°C. ITALY; GEOTHERMAL FIELDS; GEOTHERMAL EXPLORATION; GEOTHERMAL FLUIDS; GEOTHERMAL ENERGY; ELECTRIC POWER; POWER GENERATION; THERMAL WATERS; NATURAL STEAM; DRILLING; BOREHOLES

SOUTH AFRICA; TRANSVAAL; REMOTE SENSING; GEOTHERMAL GRADIENTS; BOREHOLES; ELECTRONIC EQUIPMENT; THERMOMETERS; TEMPERATURE MEASUREMENT

BOREHOLES; TEMPERATURE DISTRIBUTION; MEASURING INSTRUMENTS; TEMPERATURE MEASUREMENT; WELL LOGGING; THERMOMETERS; VARIATIONS; LITHOLOGY

02673 BOREHOLE TEMPERATURE MEASURING EQUIPMENT AND THE GEOTHERMAL FLUX IN TASMANIA. Newstead, G.; Beck, A.; Aust. J. Phys.; 6: No. 4, 480-9(1953). 2 X 10^-6 cal/cm²/sec. TASMANIA; BOREHOLES; TEMPERATURE MEASUREMENT; MEASURING INSTRUMENTS; HEAT FLOW; THERMAL CONDUCTIVITY; ROCKS; THERMISTORS; THERMOMETERS; DESIGN

BOREHOLES; TEMPERATURE DISTRIBUTION; THERMAL EQUILIBRIUM

ITALY; MINERAL SPRINGS; GEOCHEMISTRY; METEORIC WATER; MAGMATIC WATER; MIXING

BOREHOLES; WELL LOGGING; ROCKS; RADIOACTIVITY; POROSITY; TEMPERATURE MEASUREMENT; ELECTRICAL SURVEYS; PERMEABILITY

WAIRAKEI GEOTHERMAL FIELD; BOREHOLES; FLOW RATE; NATURAL STEAM; FUMAROLIC FLUIDS; MASS TRANSFER

HEAT TRANSFER; WAIRAKEI GEOTHERMAL FIELD; BOREHOLES; FLOW RATE; THERMAL WATERS; NATURAL STEAM


New Zealand: boreholes; temperature distribution; geothermal exploration; flow rate; fluid flow; mass transfer


Boreholes; well logging; temperature distribution; diagrams; images; temperature measurement; measuring instruments


Geophysical surveys; boreholes; temperature gradients; rocks; age estimation; earth crust; geological surveys; heat flow; gravity surveys


Boreholes; drilling fluids; temperature distribution; thermal equilibrium; thermistors; temperature measurement; measuring instruments; geologic strata


Boreholes; drilling; rocks; rock drilling; thermal equilibrium; drilling fluids; temperature dependence; time dependence; thermodynamic properties; geology; hydrology


Boreholes; fumaroles; Indonesia; geothermal fields; temperature measurement; pressure measurement; geothermal exploration


Italy; Monte Amiata geothermal field; geothermal wells; well drilling; power generation; natural steam


Japan; geothermal fields; chemical composition; abundance; thermal waters; temperature measurement; steamboat springs


Rocks; thermal equilibrium; boreholes; rock drilling; drilling fluids; disturbances; zones; heating; cooling


Rocks; drilling; rock boreholes; thermal equilibrium; time dependence


Boreholes; drilling; drilling fluids; thermal stresses; well logging; permeability; reliability; temperature dependence; sound waves; velocity; sandstones; geophysical surveys


Boreholes; temperature measurement; temperature gradients; thermometers; electric conductivity; design; polar regions; rocks; platinum


Seismic surveys; boreholes; geophysical surveys; clay
SALTON SEA;GEOTHERMAL WELLS;WELL DRILLING; NATURAL STEAM;ELECTRIC POWER;POWER POTENTIAL; BRINES;RECOVERY;MEXICO;GEOTHERMAL RESOURCES; CALIFORNIA
From UN Conference on New Sources of Energy; Rome, Italy (1961).
GEOTHERMAL FIELDS;BOREHOLES;GEOTHERMAL WELLS; DRILLING;POWER POTENTIAL;GEOPHYSICAL SURVEYS; HYDROTHERMAL SYSTEMS;GEOTHERMAL EXPLORATION;WELL DRILLING
From UN Conference on New Sources of Energy; Rome, Italy (1961).
GEOTHERMAL WELLS;GEOPHYSICAL SURVEYS; HYDROLOGY;NATURAL STEAM;VOLCANIC REGIONS;TESTING;MEASURING METHODS
From UN Conference on New Sources of Energy; Rome, Italy (1961).
WELL DRILLING;GEOTHERMAL EXPLORATION; BOREHOLES;VOLCANIC ROCKS;HIGH TEMPERATURE; MEDIUM TEMPERATURE
BOREHOLES;ROCKS;TEMPERATURE GRADIENTS;TIME DEPENDENCE;EQUATIONS;THERMAL EQUILIBRIUM
ROCKS;DRILLING;BOREHOLES;THERMAL EQUILIBRIUM
BOREHOLES;DRILLING;EQUIPMENT;MEASURING METHODS
CANADA;BOREHOLES;PLANNING;HEAT FLOW;DRILLING
USSR;BOREHOLES;GEOPHYSICAL SURVEYS; GEOLOGICAL SURVEYS;PLANNING;WELL DRILLING; RESEARCH PROGRAMS;ROCKS;PHYSICAL PROPERTIES; VERY HIGH PRESSURE;HIGH TEMPERATURE;MEASURING METHODS
AUSTRALIA;BOREHOLES;THermal CONDUCTIVITY; HEAT FLOW;GEOPHYSICAL SURVEYS;GEOLoGIC STRATA
TEMPERATURE DISTRIBUTION;GEOPHYSICAL SURVEYS; GEOLOGICAL SURVEYS;HYDROLOGY
SOC. PROF. WELL LOG ANALYSTS (1967).
From 8th Annual Society of Professional Well Log Analysts Logging Symposium; Denver, CO (1967).
GROUND WATER;HYDROLOGY;WELL LOGGING; GEOPHYSICS
(Japanese with English abstract).
GEOTHERMAL FIELDS;DRILLING;TEMPERATURE GRADIENTS;HOT SPRINGS;JAPAN;GEOTHERMAL EXPLORATION;BOREHOLES
(Japanese with English abstract).
GEOTHERMAL FIELDS;DRILLING;TEMPERATURE GRADIENTS;HOT SPRINGS;JAPAN;GEOTHERMAL EXPLORATION;BOREHOLES
(Japanese with English abstract).
GEOTHERMAL FIELDS;DRILLING;TEMPERATURE GRADIENTS;HOT SPRINGS;JAPAN;GEOTHERMAL EXPLORATION;BOREHOLES
(Japanese with English abstract).
GEOTHERMAL FIELDS;DRILLING;TEMPERATURE GRADIENTS;HOT SPRINGS;JAPAN;GEOTHERMAL EXPLORATION;BOREHOLES
(Japanese with English abstract).
GEOTHERMAL FIELDS;DRILLING;TEMPERATURE GRADIENTS;HOT SPRINGS;JAPAN;GEOTHERMAL EXPLORATION;BOREHOLES
SIBIRSKOE OTDEL.; VOLKANOLOG. ST. BYULL.; No. 44, 60-6(1966).
KUNASHIR ISLAND;GEOTHERMAL EXPLORATION;USSR; GEOTHERMAL FIELDS;USES;SPACE HEATING; GREENHOUSES;POWER GENERATION;GEOTHERMAL WELLS; HYDROLOGY;VOLCANIC REGIONS;HOT-WATER SYSTEMS; BOREHOLES;GEOTHERMAL RESOURCES;DRILLING


02704 CORED SEDIMENTARY ROCKS; IGNEOUS ROCKS; BOREHOLES; DRILLING; DEPTH; GEOPHYSICAL SURVEYS; GEOCHEMICAL SURVEYS


02707 ROCKS; POROSITY; WELL LOGGING; DRILL CORES; ELECTRIC CONDUCTIVITY; AQUIFERS; GEOPHYSICAL SURVEYS


02709 ROCKS; CARBONATES; POROSITY; MEASURING METHODS; WELL LOGGING; ELECTRIC CURRENTS; GEOPHYSICAL SURVEYS; AQUIFERS


02711 ROCKS; CARBONATES; POROSITY; MEASURING METHODS; WELL LOGGING; ELECTRIC CURRENTS; GEOPHYSICAL SURVEYS; AQUIFERS


02713 WELL LOGGING; ELECTRODES; ELECTRIC CONDUCTIVITY; ERRORS; ELECTRICAL SURVEYS


02715 WELL LOGGING; MEASURING METHODS; PERFORMANCE; ELECTRODES; ELECTRIC MATERIALS; ELECTRODES; ELECTRICAL SURVEYS

02716 STUDY OF FRACTURED RESERVOIRS WITH THE HELP OF WELL-LOGGING TECHNIQUES. Itenberg,
GEOTHERMAL ENERGY


ROCKS;WATER RESERVOIRS;MEASURING METHODS;
WELL LOGGING;DRILL CORES;BOREHOLES;FRACTURES

02741 SOME PROBLEMS OF ESTIMATING THE
TEMPERATURE DISTRIBUTION OF HYDROTHERMAL SYSTEMS
BY EXPLORATION WELLS. Andronov, A.; Sokolov, L.;
Geofizika; Vol. 15, No. 1, 32-43 (1971).

WELL LOGGING;TEMPERATURE MEASUREMENT;ERRORS;
PHASE SHIFT

02742 TEMPERATURE MEASUREMENTS IN DEEP WELLS
OF THE PRIPET TROUGH. Bogolosov, G.V.;
Tsybulin, A.; Atroshchenko, P.P.; Kutasov, I.M.

USER;GEOTHERMAL GRADIENTS;BOREHOLES;
TEMPERATURE MEASUREMENT;HEAT FLOW;GEOPHYSICAL
SURVEYS

02743 GEOTHERMAL PROSPECTING IN SHALLOW HOLES
AND ITS LIMITATIONS. Dedovka, D.; Halusek, J.
(Institut für Geophysik, Prague, Czechoslovakia);
Kromer, P.; Prihoda, K. (SciTech Ltd., Downview,

From UN Symposium on the Development and Utilization of Geothermal Resources, Vol. 2;
Part 2; Pisa (1972).

TEMPERATURE MEASUREMENT;EXPLORATION;
THERMOMETERS;DESIGN;BOREHOLES

02744 ESTIMATION OF HYDROTHERMAL SYSTEMS BY
MEANS OF WELL-HEAD OBSERVATIONS. Yuhara, K.
(National Res. Cent. for Disaster Prev., Tokyo, Japan).

STEAM;ORIGIN;TEMPERATURE;GEOTHERMAL WELLS;
PERFORMANCE;HYDROTHERMAL SYSTEMS;BOILING;
TEMPERATURE DEPENDENCE;PRESSURE DEPENDENCE;
GROUND LEVEL

02745 COMPLEX INTERPRETATION OF THE RESULTS
OF GEOPHYSICAL LOGGING INVESTIGATIONS AND GAS
LOGGING USING A COMPUTER. Pomerants, L.I.;
Sokhranov, N.N.; Komarov, Yu.S. Prikl.

GEOPHYSICAL SURVEYS;CHEMICAL SURVEYS;WELL
LOGGING;DATA PROCESSING;COMPUTERS

02746 DEVELOPMENTS IN GEOPHYSICAL LOGGING
INSTRUMENTS AND METHODS. Andrasny, L.; Barat,
I.; Liptai, F.; Sarkadi, O.; Rosz; Salamon,
B.; Sebestyen, K.; Szalai, M.; Tatar, J.
Magyar Alkami Arnyal; Lajost and Geofizik.

HUNGARY;WELL LOGGING;BOREHOLES;MEASURING
INSTRUMENTS;POROSITY;ELECTRONIC CIRCUITS;
CALIBRATION;DESIGN

02747 FORMATION EVALUATION BY INSPECTION
WITH THE BOREHOLE TELEVIEWER. Zemanek, J.
(Mobil Research and Development Corp., Dallas, TX).

GEOLOGIC DEPOSITS;WELL LOGGING;FRACTURES;
BOREHOLES;GEOPHYSICAL SURVEYS;SOUND WAVES;
ACOUSTIC TESTING;TELEVISION;REMOTE VIEWING;
EQUIPMENT;GEOLOGICAL SURVEYS

02748 TEST METHOD TO DETERMINE GEOTHERMAL HEAT
FLOW USING SHALLOW BOREHOLES. Miseken, U.I.;
Duchkov, A.D.; Sokolova, L.S. (Akad. der
Wissenschaften der UdSSR, Novosibirsk,
Soviet Union). Tectonophysica; 10: No. 1-3,
899-909 (Sep 1970).

HEAT FLOW;BOREHOLES;TEMPERATURE MEASUREMENT;
THERMOMETERS

02749 GEYSERING ACTION IN A DRILLED WELL;
CRUMP LAKE COUNTY, OREGON. Rinehart, J.S.
75: No. 32, 6714-16 (10 Nov 1970).

GEOTHERMAL WELLS;GEYSERS;DEPTH;TEMPERATURE
DISTRIBUTION;WELL DRILLING

02750 TEST DRILLING FOR THERMAL WATER
RESOURCE IN KUMAISHICHÔ, HIYAMA PROVINCE,
MOROAKI, JAPAN. Suzuki, T. (Hokkaidoritu
Chikshigen Chosa kaikan, Japan). Chika Shingen

JAPAN;THERMAL WATERS;WELL DRILLING;FLOW RATE;
TEMPERATURE MEASUREMENT;CHEMICAL COMPOSITION;
CARBONATES;CALCIUM COMPOUNDS;MAGNESIUM
COMPOUNDS;SODIUM CHLORIDES

02751 ANALYSIS OF ERRORS IN LOGGING
PARAMETERS AND THEIR EFFECTS ON CALCULATING
WATER SATURATION. Kheli, C. pp A1-A16 of
SPHL Logging Symposium, 12th Annual, Dallas,
TX, 1971, Transactions. Houston, TX; Soc. Prof.
Well Log Analysts (1971).

WELL LOGGING;ERRORS;CLAY;ELECTRIC
CONDUCTIVITY;WATER;SATURATION

02752 WELL LOCATION MAP, PINAL COUNTY,
ARIZONA; WELLS DRILLED FOR HYDROCARBON, HELIUM,
AND GEOTHERMAL RESOURCES; STRATIGRAPHIC
INFORMATION AND SELECTED WELLS DRILLED FOR
WATER. Koester, E.A.; Conley, J.N. Scale 1: 500,000.
USA; Arizona Oil Gas Conserv. Comm. (1972).

ARIZONA;BOREHOLES;MAPS;GEOTHERMAL
EXPLORATION;HYDROCARBONS;PROSPECTING;WATER
RESOURCES;STRATIGRAPHY;PETROLEUM DEPOSITS;
GEOTHERMAL ENERGY;WELL DRILLING

02753 GEOTHERMAL EXPLORATION IN GUADALOUPE.
Demiers d'Archibaud, J.; Surcin, J. Rev.
Geogr. Phys. Geol. Dyn.; 14: No. 3, 211-

WEST INDIES;ISLANDS;GEOTHERMAL EXPLORATION;
BOREHOLES;STRATIGRAPHY;GROUND WATER;CHEMICAL
COMPOSITION;THERMAL WATERS

02754 WELL LOCATION MAP, MARICOPA COUNTY,
ARIZONA; WELLS DRILLED FOR HYDROCARBON, HELIUM,
AND GEOTHERMAL RESOURCES; STRATIGRAPHIC
INFORMATION AND SELECTED WELLS DRILLED FOR
WATER. Conley, J.N.; Koester, E.A. Scale 1: 500,000.
USA; Arizona Oil Gas Conserv. Comm. (1972).

ARIZONA;BOREHOLES;MAPS;GEOTHERMAL
EXPLORATION;HYDROCARBONS;PROSPECTING;WATER
RESOURCES;STRATIGRAPHY;PETROLEUM DEPOSITS;
GEOTHERMAL ENERGY;WELL DRILLING

02755 WELL LOCATION MAP, COCHISE COUNTY,
ARIZONA; WELLS DRILLED FOR HYDROCARBON, HELIUM,
AND GEOTHERMAL RESOURCES; STRATIGRAPHIC
INFORMATION AND SELECTED WELLS DRILLED FOR
WATER. Koester, E.A.; Conley, J.N. Scale 1: 500,000.
USA; Arizona Oil Gas Conserv. Comm. (1972).

ARIZONA;BOREHOLES;MAPS;GEOTHERMAL
EXPLORATION;HYDROCARBONS;PROSPECTING;WATER
RESOURCES;STRATIGRAPHY;PETROLEUM DEPOSITS;
GEOTHERMAL ENERGY;WELL DRILLING

02756 DRILLING FOR GEOTHERMAL STEAM AND HOT
WATER. Matsuo, K. (Geothermal Energy
Armsled, H.C.H. (ed.). Paris; United Nations Educational, Scientific and
Geothermal Wells;WELL DRILLING;DRILL CORES;
BOREHOLES;TEMPERAL WATERS;NATURAL STEAM;
GEOTHERMAL EXPLORATION

02757 GEOTHERMAL STUDIES IN NEW MEXICO
AND SOUTHERN COLORADO. Edwards, C.L.; Reiter,
M.A.; Weldman, C. (New Mexico Inst. Mining
and Technol., Socorro, USA). EOS, Trans.,
NEW MEXICO;COLORADO;GEOTHERMAL EXPLORATION;
BOREHOLES;WELL LOGGING;DATA;GEOLOGIC FAULTS;
HEAT FLOW


02759 GEOTHERMAL RESOURCE INVESTIGATIONS, IMPERIAL VALLEY, CALIFORNIA, SPECIAL REPORT TEST WELL MESA 6-1. Denver, CO; Bureau of Reclamation, Lower Colorado Region (Feb 1973). 44p. GEOTHERMAL RESOURCES;IMPERIAL VALLEY;DRILLING;THERMODYNAMIC PROPERTIES;GEOTHERMAL WELLS;PERMEABILITY;CHEMICAL COMPOSITION;THERMAL WATERS;GEOTHERMAL EXPLORATION;HOT-WATER SYSTEMS;SODIUM CHLORIDES;POTASSIUM CHLORIDES;SILICON OXIDES


02761 THERMAL CONDUCTIVITY OF SEDIMENTS FROM DRILL CHIPS, CORES, AND GEOPHYSICAL LOG PARAMETERS. Goss, R.; Combs, J. EOS, Trans., Amer. Geophys. Union; 55: No. 4, 423(1974). Mesa geothermal anomaly, Dunes geothermal anomaly, BOREHOLES;WELL DRILLING;SEDIMENTS;THERMAL CONDUCTIVITY;WELL LOGGING;DRILL CORES;GEOPHYSICAL SURVEYS;HEAT FLOW;IMPERIAL VALLEY;POROSITY;PERMEABILITY;ELECTRIC CONDUCTIVITY;CALIFORNIA

02762 GEOPHYSICAL LOGS FROM THE KILAUEA GEOTHERMAL RESEARCH DRILL HOLE. Keller, G.V.; Murray, J.C.; Towe, G.H. Soc. Prof. Well Log Anal. Ann. Logging Symp., Trans.; No. 15, Li-LI(1974). HAWAII;BOREHOLES;WELL LOGGING;GEOPHYSICAL SURVEYS;TEMPERATURE MEASUREMENT;IGNEOUS ROCKS;BASALT;POROSITY;PHYSICAL PROPERTIES;TEMPERATURE MEASUREMENT

02763 DEEP DRILLING IN AN ACTIVE GEOTHERMAL AREA IN THE AZORES. Muecke, O.K.; Ade-Hall, J.M.; Aumento, F.; MacDonald, A.; Reynolds, P.H.; Hyndman, R.D. (Dalhousie Univ., Halifax, Nova Scotia, Canada); Quintino, J. (Observatorio Afonso Chaves, Ponta Delgada, Sao Miguel, Azores, Portugal); Oddyke, N.; Lowrie, W. (Lamont-Doherty Geological Observatory, Palisades, NY). Nature (London); 252: 281-5(22 Nov 1974). PORTUGAL;WELL DRILLING;GEOLoGY;AZORES ISLANDS;GEOTHERMAL FIELDS;GEOLoGIC STRATA;PETROLEO

REGULATIONS

02765 (EIS-CA-73-1681-F-1-GA) GEOTHERMAL LEASING PROGRAM. VOLUME I: PROMULGATION OF LEASING AND OPERATING REGULATIONS. FINAL ENVIRONMENTAL IMPACT STATEMENT. (Department of the Interior, Washington, D.C. (USA)). 24 Oct 1973. 519p. GPO $4.20. REGULATIONS;GEOTHERMAL ENERGY;GEOTHERMAL EXPLORATION;LEGAL ASPECTS;ENERGY SOURCES;ELECTRIC POWER;ENERGY SOURCES;ENVIRONMENT;GEOTHERMAL RESOURCES;LAND LEASING

02766 (EIS-CA-73-1681-F-2-GA) GEOTHERMAL LEASING PROGRAM. VOLUME II: LEASING OF GEOTHERMAL RESOURCES IN THREE CALIFORNIA AREAS. FINAL ENVIRONMENTAL IMPACT STATEMENT. (Department of the Interior, Washington, D.C. (USA)). 24 Oct 1973. 547p. GPO $5.85. GEOTHERMAL ENERGY;LEGAL ASPECTS;GEOTHERMAL RESOURCES;LAND LEASING;GEOTHERMAL EXPLORATION;CALIFORNIA;ENERGY SOURCES;REGULATIONS;GEOTHERMAL RESOURCES

02767 (EIS-CA-73-1681-F-4-GA) GEOTHERMAL LEASING PROGRAM. VOLUME IV: APPENDIX I. COMMENTS ON DRAFT IMPACT STATEMENT AND PROPOSED REGULATIONS. FINAL ENVIRONMENTAL IMPACT STATEMENT. (Department of the Interior, Washington, D.C. (USA)). 24 Oct 1973. 728p. GPO $5.65. GEOTHERMAL ENERGY;LEGAL ASPECTS;REGULATIONS;CALIFORNIA;GEOTHERMAL EXPLORATION;ENERGY SOURCES;OPERATION;GEOTHERMAL RESOURCES;LAND LEASING

02768 (EIS-CA-1681-F-3-GA) GEOTHERMAL LEASING PROGRAM. VOLUME III. APPENDIX II. PROPOSED LEASING AND OPERATING REGULATIONS. FINAL ENVIRONMENTAL IMPACT STATEMENT. (Department of the Interior, Washington, D.C. (USA)). 24 Oct 1973. 701p. GPO $5.60. GEOTHERMAL ENERGY;ENERGY SOURCES;LEGAL ASPECTS;REGULATIONS;ENVIROHMEN;GEOTHERMAL RESOURCES;LAND LEASING


02770 PUBLIC HEARING ON GEOTHERMAL ENERGY AND ASSOCIATED MINERAL RESOURCES. Palm Springs, CA; State of California, Senate Fact-Finding Committee on Nat. Res. (1965). 177p. CALIFORNIA;GEOTHERMAL ENERGY;HEARINGS;MINERAL RESOURCES;GEOTHERMAL EXPLORATION

02771 CALIFORNIA LAWS FOR THE CONSERVATION OF GEOTHERMAL ENERGY (CHAPTER 1483, STATUTES OF 1965), AN ACT TO ADD CHAPTER 1, DIVISION 3, TO THE PUBLIC RESOURCES CODE, RELATING TO GEOTHERMAL ENERGY AND ASSOCIATED RESOURCES. Sacramento; State of California (1965). CALIFORNIA;GEOTHERMAL ENERGY;LAW;REGULATIONS

REGULATIONS

02764 (CONF-741145--1) SUMMARY GUIDE TO THE INSTITUTIONAL PROBLEMS CONFRONTING THE GEOTHERMAL ENERGY INDUSTRY. Finn, D.F.X. (Geothermal Energy Inst., San Francisco, Calif. (USA)). 10 Dec 1974. 10p. GEOTHERMAL ENERGY Institute, 680 Beach Street, San Francisco, CA 94133. From Annual meeting Society of Economic Geologists; Miami, Florida, USA (18 Nov 1974). GEOTHERMAL RESOURCES;REGULATIONS;LEGAL ASPECTS;PLANNING;RECOMMENDATIONS;ENVIRONMENT;INDUSTRY;LEGISLATION;LEASES;TAXES;GEOTHERMAL EXPLORATION;GEOTHERMAL ENERGY;GOVERNMENT POLICIES

02772 LEGAL PROBLEMS OF THE GEOTHERMAL


02778  CALIFORNIA LAWS FOR THE CONSERVATION OF GEOTHERMAL ENERGY, AN ACT TO AMEND THE HEADING OF CHAPTER 4, AND TO ADD TO CHAPTER 3, DIVISION 3, OF THE PUBLIC RESOURCES CODE, RELATING TO GEOTHERMAL RESOURCES. Sacramento; State of California (1967). CALIFORNIA;LAW;GEOTHERMAL ENERGY;REGULATIONS;MANAGEMENT;GEOTHERMAL EXPLORATION;LAND LEASING


02789  GEOTHERMAL STEAM ACT OF 1970; PROCEDURE TO BE FOLLOWED IN CLAIMING RIGHTS. Federal Register; 623(15 Jan 1971). From Power from the Earth: Geothermal Energy (Bibliography), p. 27. USA:GEOTHERMAL RESOURCES;LEGAL ASPECTS

02790  S. 564, TO ESTABLISH A FIVE-YEAR GEOTHERMAL RESEARCH PROGRAM: TEXT; STATEMENT. Congressional Record, 3 Feb 1971, S757-58.
GEOTHERMAL ENERGY


- GEOTHERMAL ENERGY: LEGAL ASPECTS
- MEETINGS: SCIENCE AND ASTRONAUTICS
- SCIENCE AND TECHNOLOGY: ENERGY SOURCES
- HEATING: ECONOMICS
- ENERGY POLICY: ENERGY RESERVES
- HEAT: LEGISLATION


- FROM PROCEEDINGS AND REPORTS OF THE 93RD CONGRESS, FIRST SESSION; WASHINGTON, DC (MONDAY, 19 MAR 1973)
- LEGISLATION: SHALE OIL; COAL GASIFICATION
- GEOTHERMAL ENERGY: COAL LIQUEFACTION
- ENERGY SOURCES
- ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION


USA: GEOTHERMAL ENERGY
- LAND LEASING
- GEOTHERMAL EXPLORATION
- ENERGY SOURCES
- LEGAL ASPECTS
- USA: GEOTHERMAL RESOURCES


- GEOTHERMAL ENERGY
- LEGAL ASPECTS
- ELECTRIC POWER


- FROM NATIONAL CONFERENCE ON GEOTHERMAL ENERGY
- PALM SPRINGS, CA (10-11 MAY 1973)
- GEOTHERMAL RESOURCES
- EXPLOITATION
- LEGAL ASPECTS
- GEOTHERMAL ENERGY: LEGAL ASPECTS
- WATER DISPERSAL
- POLLUTION
- WASTE MANAGEMENT


- FROM NATIONAL CONFERENCE ON GEOTHERMAL ENERGY
- PALM SPRINGS, CA (10-11 MAY 1973)
- GEOTHERMAL EXPLORATION
- GEOLOGICAL SURVEYS
- GEOCHEMICAL SURVEYS
- GEOPHYSICAL SURVEYS
- LAND LEASING
- BOREHOLES
- WASTE DISPOSAL
- MINERALS
- WATER


- FROM NATIONAL CONFERENCE ON GEOTHERMAL ENERGY
- PALM SPRINGS, CA (10-11 MAY 1973)
- GEOTHERMAL ENERGY
- LEGISLATION
- USA: LAND LEASING
- GEOTHERMAL FLUIDS
- WASTE DISPOSAL
- PUBLIC LANDS

02815 PROPOSED RULE MAKING: GEOTHERMAL RESOURCES LEASING ON PUBLIC, ACQUIRED AND WITHDRAWN LANDS: REVISION OF PROPOSED RULE.


02816 GEOTHERMAL RESOURCES - OPERATIONS ON PUBLIC, ACQUIRED AND WITHDRAWN LANDS: NOTICE OF PROPOSED RULEMAKING.


02817 LEASING ON PUBLIC, ACQUIRED AND WITHDRAWN LANDS: REVISION OF PROPOSED RULE.


02818 CALIFORNIA PUBLIC RESOURCES CODE: STATUTES PERTAINING TO GEOTHERMAL RESOURCES.


02819 ADMINISTRATIVE LAWS OF CALIFORNIA'S STATE LAND COMMISSION.

- REGULATIONS PERTAINING TO GEOTHERMAL RESOURCES.


02820 ADMINISTRATIVE LAW OF CALIFORNIA'S RESOURCES AGENCY: PORTION OF THE DIRECTIONS...
GEOTHERMAL ENERGY;LEGAL ASPECTS;APPLICATION PROCEDURES;REGULATIONS;USA;CALIFORNIA;LEGISLATION;ENVIRONMENTAL IMPACT STATEMENTS;GEOTHERMAL RESOURCES;REGULATIONS

GEOTHERMAL ENERGY;LEGISLATION;IMPERIAL VALLEY;GEOTHERMAL RESOURCES;GEOTHERMAL WELLS;WELL DRILLING;OPERATION;FINANCING;LICENSED;WASTE MANAGEMENT;ENVIRONMENT;POLUTION;LAND USE;GEOTHERMAL POWER PLANTS;PLANNING

US policy on land leasing for geothermal energy development. USA;GEOTHERMAL FIELDS;LAND LEASING;LEGISLATION;GEOTHERMAL RESOURCES;MINERALS;ENVIRONMENT;MANAGEMENT;GEOTHERMAL EXPLORATION

IDAHO;GEOTHERMAL RESOURCES;LEGISLATION;REGULATIONS;LEGAL ASPECTS;GEOTHERMAL EXPLORATION;WELL DRILLING;COST;GEYSERS;GEOTHERMAL FIELD;NATURAL STEAM

For exploration and exploitation of US geothermal resources. GEOTHERMAL RESOURCES;GEOTHERMAL ENERGY;LEGAL ASPECTS;REGULATIONS;USA;GEOTHERMAL EXPLORATION;GEOTHERMAL WELLS;OPERATION;LAND LEASING;GEOTHERMAL POWER PLANTS;LICENSED

FEDERAL TAX POLICY;GEOTHERMAL ENERGY;EXPLORATION;PLANNING;ECONOMICS;PRODUCTION;NATURAL GAS;PETROLEUM;COAL;URANIUM ORES;GEOLGY

02827 GEOTHERMAL ENERGY RESEARCH, DEVELOPMENT, AND DEMONSTRATION ACT OF 1974. SUBMITTED BY MR. TEAGUE, COMMITTEE ON SCIENCE AND ASTRONAUTICS, TO THE HOUSE OF REPRESENTATIVES, NINETY-THIRD CONGRESS, SECOND SESSION. Washington, DC; Committee on Science and Astronautics (1974). 41p. GPO.
GEOTHERMAL ENERGY;LAWS;LEGAL ASPECTS;RESEARCH PROGRAMS;ECONOMICS;ELECTRIC POWER;POWER GENERATION

02828 GEOTHERMAL RESOURCES. HEARINGS BEFORE THE SUBCOMMITTEE ON WATER AND POWER RESOURCES OF THE COMMITTEE ON INTERIOR AND INSULAR AFFAIRS, UNITED STATES SENATE, NINETY-THIRD CONGRESS, FIRST SESSION ON THE POTENTIAL FOR THE PRODUCTION OF POWER FROM GEOTHERMAL RESOURCES. Washington, DC; Committee on Interior and Insular Affairs (1974). 465p. GPO.
GEOTHERMAL RESOURCES;ELECTRIC POWER;LEGAL ASPECTS;RECOMMENDATIONS;PLANNING;GEOTHERMAL WELLS;GEOTHERMAL POWER PLANTS;HEARINGS;USA;POWER POTENTIAL;GEOTHERMAL ENERGY;GEOTHERMAL EXPLORATION

GEOTHERMAL ENERGY;REGULATIONS;LEGISLATION;HAWAII;ALASKA;GEOTHERMAL RESOURCES;ARIZONA;CALIFORNIA;COLORADO;IDAHO;MONTANA;NEVADA;NEW MEXICO;OREGON;UTAH;WASHINGTON;WYOMING;ENERGY POLICY

From Symposium on geothermal energy; Denver, Colorado, USA (6 Dec 1973). See CONF-731226--.
GEOTHERMAL RESOURCES;LEGAL ASPECTS;MANAGEMENT;TAXES;REGULATIONS;LAWS;GOVERNMENT POLICIES

From Symposium on geothermal energy; Denver, Colorado, USA (Feb 1973). See CONF-731226--.
GEOTHERMAL RESOURCES;LEASES;REGULATIONS;GOVERNMENT POLICIES;LEGAL ASPECTS;LAND LEASING

From Symposium on geothermal energy; Denver, Colorado, USA (6 Dec 1973). See CONF-731226--.
COLORADO;GEOTHERMAL RESOURCES;REGULATIONS;LAND LEASING;GOVERNMENT POLICIES

GEOTHERMAL ENERGY;LEGISLATION;EXPLOITATION

LAWS;GEOTHERMAL ENERGY;LEGAL ASPECTS;ABUNDANCE;USA;GEOTHERMAL EXPLORATION;ENVIRONMENT;COST

GEOTHERMAL RESOURCES;PRODUCTION;USA;ENERGY
RESERVES; ENERGY SOURCES; ECONOMICS; ENVIRONMENT; REGULATIONS; LAWS; SAFEGUARD; INDUSTRY; STANDARDS; GEOTHERMAL EXPLORATION; USA; LEGAL ASPECTS; GEOTHERMAL ENERGY


NEW ZEALAND: GEOTHERMAL ENERGY; REGULATIONS; LEGISLATION; SAFEGUARD REGULATIONS; TRANSPORT REGULATIONS


GEOTHERMAL RESOURCES; LEGAL ASPECTS; LAND LEASING; TAXES


GEOTHERMAL ENERGY; GEOTHERMAL EXPLORATION; RESEARCH PROGRAMS; HEARINGS; LEGAL ASPECTS; RECOMMENDATIONS; USA


From 93rd Congress, 2nd Session of House of Representatives.

GEOTHERMAL ENERGY; RESEARCH PROGRAMS; LEGAL ASPECTS; GOVERNMENT POLICIES

ECONOMICS

REFER ALSO TO CITATION (S) 37, 45, 57, 62, 146, 145, 279, 281, 2772, 2979, 2988, 3023, 3026, 3067, 3294, 3321


GEOTHERMAL POWER PLANTS; COST; POWER GENERATION; ECONOMICS; USA; GEOTHERMAL ENERGY; POWER POTENTIAL


ECONOMIC IMPORTANCE; ITALY; GEOTHERMAL RESOURCES; GEOTHERMAL ENERGY; POWER GENERATION; ELECTRIC POWER; GEOLOGY; HOT SPRINGS; MINERALIZATION; GEOTHERMAL FLUIDS; GEOTHERMAL FIELDS; ECONOMICS


GEOTHERMAL POWER PLANTS; POWER GENERATION; ECONOMICS; POWER PLANTS; NUCLEAR POWER PLANTS; COMPARATIVE EVALUATIONS; GEOTHERMAL EXPLORATION; GEOTHERMAL ENERGY CONVERSION; GEOTHERMAL ENERGY


GEOTHERMAL EXPLORATION; ECONOMICS; LARDERELLO GEOTHERMAL FIELD; WAIRAKEI GEOTHERMAL FIELD

GEYSERS GEOTHERMAL FIELD; NATURAL STEAM; POWER GENERATION; GEOTHERMAL POWER PLANTS; GEOTHERMAL ENERGY


GEOTHERMAL ENERGY; ECONOMICS; POWER GENERATION; ELECTRIC POWER; USA; NATURAL STEAM; VOLCANIC REGIONS; COST


WAI RAKEI GEOTHERMAL FIELD; LARDERELLO GEOTHERMAL FIELD; GEYSERS GEOTHERMAL FIELD; COST; GEOTHERMAL POWER PLANTS; ECONOMICS; GEOTHERMAL ENERGY


GEYSERS GEOTHERMAL FIELD; WAIRAKEI GEOTHERMAL FIELD; LARDERELLO GEOTHERMAL FIELD; COST; GEOTHERMAL POWER PLANTS; ECONOMICS; GEOTHERMAL ENERGY


From Power From the Earth: Geothermal Energy (Bibliography); p. 3.

ECONOMICS; ELECTRIC POWER; POWER GENERATION; GEOTHERMAL ENERGY; GEOTHERMAL EXPLORATION


JAPAN; ELECTRIC POWER; POWER PLANTS; INVESTMENT; INDUSTRY; ECONOMICS


GEYSERS GEOTHERMAL FIELD; GEOTHERMAL POWER PLANTS; ECONOMICS; ELECTRIC POWER; POWER GENERATION; DRY-STEAM SYSTEMS


ECONOMICS; COST; GEOTHERMAL ENERGY; GEOTHERMAL POWER PLANTS; PRODUCTIVITY


GEOTHERMAL ENERGY; ECONOMICS; USA; GEYSERS; CALIFORNIA; FORECASTING; ELECTRIC POWER; LEGAL ASPECTS; ENVIRONMENTAL EFFECTS; POLLUTION


ECONOMICS; GEOTHERMAL ENERGY; GEOTHERMAL POWER PLANTS; COST; OPERATION; MAINTENANCE; EQUIPMENT; ITALY


GEOTHERMAL RESOURCES; THERMAL WATERS; ECONOMICS; GEOTHERMAL WELLS; GEOTHERMAL POWER


GEOTHERMAL POWER PLANTS;ECONOMICS;NEW ZEALAND;GEOTHERMAL WELLS;HOT-WATER SYSTEMS;HEATING;POWER GENERATION


GEYSERS GEOTHERMAL FIELD;ECONOMICS;GEOTHERMAL POWER PLANTS


WAIKAKEI GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;WELL DRILLING;NEW ZEALAND;MAINTENANCE;OPERATION;ECONOMICS


MATSAKUO GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;ECONOMICS;POWER GENERATION;JAPAN


GEOTHERMAL ENERGY;ECONOMICS;GEOTHERMAL EXPLORATION;GEOTHERMAL POWER PLANTS;GEOTHERMAL WELLS;PIPELINES;COST;DRILLING


GEOTHERMAL ENERGY;ECONOMICS;WASTE DISPOSAL;GEOTHERMAL RESOURCES


GEOTHERMAL ENERGY;GEOTHERMAL RESOURCES;LEGAL ASPECTS;DRILLING;EXPLOSIVE STIMULATION;GEOTHERMAL EXPLORATION;NUCLEAR EXPLOSIVES;ECONOMICS;USES;ENVIRONMENTAL EFFECTS;USA;REVIEWS;GEYSERS GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS


GEOTHERMAL ENERGY;POWER GENERATION;ECONOMICS;DRY-STEAM SYSTEMS;HOT-WATER SYSTEMS;GEOTHERMAL RESOURCES;POWER POTENTIAL;REVIEWS


GEOTHERMAL RESOURCES;REVIEWS;ECONOMICS;GEOTHERMAL ENERGY;OPTIMIZATION;GEOTHERMAL POWER PLANTS;THERMAL POLLUTION


GEOTHERMAL ENERGY;HEAT TRANSFER;GEOTHERMAL WELLS;DRILLING;CONVERSION EFFICIENCY;HEAT EXCHANGERS;WASTE DISPOSAL;GEOTHERMAL POWER PLANTS;ECONOMICS;GEOTHERMAL ENERGY CONVERSION;ELECTRIC POWER


ECONOMICS;GEOTHERMAL ENERGY;PRODUCTION;GEOTHERMAL EXPLORATION;ENERGY SOURCES


From The American Power conference; Chicago, Illinois, USA (8 May 1973).

See CONF-730728--.

ECONOMICS;ELECTRIC POWER;GEOTHERMAL ENERGY;COMPARATIVE EVALUATIONS;ENERGY SOURCES;INVESTMENT;CALIFORNIA;GEOTHERMAL POWER PLANTS


See CONF-730728--.

ECONOMICS;ELECTRIC POWER;GEOTHERMAL ENERGY;CONVERSION;POWER GENERATION;GEOTHERMAL ENERGY;USES;ECONOMICS;BIBLIOGRAPHIES


From Symposium on geothermal energy; Denver, Colorado, USA (6 Dec 1973).

See CONF-731226--.

USA;GEOTHERMAL EXPLORATION;ECONOMICS;COST;CAPITAL;PLANNING


From Symposium on geothermal energy; Denver, Colorado, USA (6 Dec 1973).

See CONF-731226--.

GEOTHERMAL POWER PLANTS;OPERATION;FINANCING;PLANNING;INDUSTRY;ECONOMICS;MANAGEMENT;INVESTMENT;CAPITAL;ECONOMIC DEVELOPMENT;GEOTHERMAL ENERGY


From Symposium on geothermal energy; Denver, Colorado, USA (6 Dec 1973).

See CONF-731226--.

GEOTHERMAL RESOURCES;EXPLOITATION;INDUSTRY;PROSPECTING;GEOTHERMAL EXPLORATION;FINANCING;
ENVIRONMENTAL ASPECTS

REFER ALSO TO CITATION (S) 37, 95, 163, 279, 281, 322, 391, 447, 1495, 1657, 2650, 2765, 2766, 2767, 2768, 2788, 2800, 2801, 2802, 2803, 2877, 2922, 2981, 3103, 3105, 3136

02872 (ANCR--1204) ENVIRONMENTAL REPORT: DEEP GEOTHERMAL TEST WELLS IN THE RAFT RIVER VALLEY. Spencer, S.G. (Aerojet Nuclear Co., Idaho Falls, Idaho (USA)). Jan 1975. Contract AT(10-1)-1375. 31p. Dep. NTIS $4.00. Environmental effects of drilling and piping. IDAHO;GEOTHERMAL EXPLORATION; ENVIRONMENT;BOREHOLES;WELL DRILLING; ENVIRONMENTAL EFFECTS;GEOTHERMAL WELLS

02873 (LA-UR--73-1316) GEOTHERMAL ENERGY. Smith, M.C. (Los Alamos Scientific Lab., N.Mex. (USA)). 1973. Contract W-7405-eng-36. 9p. Dep. NTIS $3.00. ECONOMICS;ROCKS;HEATING;GEOTHERMAL ENERGY; LASL;RESEARCH PROGRAMS;ENVIRONMENT;POLLUTION; GEOTHERMAL POWER PLANTS;ROCK DRILLING;PLANNING

02874 (NP--20212) FINAL ENVIRONMENTAL STATEMENT FOR THE GEOTHERMAL LEASING PROGRAM. VOLUME I. PROMULGATION OF LEASING AND OPERATING REGULATIONS. (Department of the Interior, Washington, D.C. (USA)). 1973. 520p. GDP $4.20. GEOTHERMAL RESOURCES;LAND LEASING; ENVIRONMENTAL EFFECTS;REGULATIONS;USA

02875 (PB--203102-D) GEOTHERMAL LEASING PROGRAM, CONSIDERS IMPACT OF LEASING AND OPERATING REGULATIONS TO IMPLEMENT THE GEOTHERMAL STEAM ACT OF 1970 AND LEASING OF 3 AREAS IN CALIFORNIA. DRAFT ENVIRONMENTAL IMPACT STATEMENT. (Department of the Interior, Washington, D.C. (USA)). 6 Oct 1971. 234p. NTIS $3.00. CALIFORNIA;GEOTHERMAL EXPLORATION;LAND LEASING;ENVIRONMENTAL IMPACT STATEMENTS; LEGISLATION;GEOTHERMAL RESOURCES

02876 (PB--208954) GEOTHERMAL LEASING PROGRAM. (SUPPLEMENT TO DRAFT DATED 6 OCT 1971). PB--208312-9). (Department of the Interior, Washington, D.C. (USA)). 3 May 1972. 193p. NTIS $3.00; $0.95 (mf). LAND LEASING;GEOTHERMAL EXPLORATION; ENVIRONMENTAL IMPACT STATEMENTS;ENERGY SOURCES; ENERGY RESERVES;GOVERNMENT POLICIES;GEOTHERMAL RESOURCES

02877 (PB--224119-6-0A) ASSESSMENT OF SO2 CONTROL ALTERNATIVES AND IMPLEMENTATION OF PATTERN FOR THE ELECTRIC UTILITY INDUSTRY. (Hittman Associates, Inc., Columbia, Md. (USA)). Mar 1973. Contract GST-40. 140p. (HIT--550). ELECTRIC POWER;POWER PLANTS;SULFUR OXIDES; EMISSION;CONTROL;REGULATIONS;THERMAL EFFLUENTS; REGIONAL ANALYSIS;NUCLEAR ENERGY;ENERGY CONVERSION;ECONOMICS;DESELIURIZATION;FOSSIL FUELS;AIR POLLUTION;COMPUTER CODES;COAL;STACK DISPOSAL;GEOTHERMAL ENERGY;HYDROELECTRIC POWER PLANTS


02881 POSSIBLE ORGENESIS FACTOR. Riviere, A.Acad. Sci. Compt. Rend.; 256: No. 20, 4263-4(1963). VOLCANIC REGIONS;HYDROTHERMAL SYSTEMS;GROUND SUBSIDENCE;GRAVITATION;VOLUME;DEFORMATION

02882 TECHNICAL AND ECONOMIC PROBLEMS DUE TO THE PRESENCE OF CHEMICAL IMPURITIES IN FLUIDS OF GEOTHERMAL ORIGIN. Garbato, C. pp 496- 501 of UN Conference on New Sources of Energy, Rome, Italy, 1961, Proceedings, Vol. 3. New York; United Nations (1964). (In French with English summary). From UN Conference on New Sources of Energy; Rome, Italy (1961). GEOTHERMAL FLUIDS;IMPURITIES;ENVIRONMENTAL EFFECTS;CORROSIVE EFFECTS;THERMAL WATERS; NATURAL STEAM;TURBINES;CORROSION;ECONOMICS; WATER POLLUTION;AIR POLLUTION;CARBON DIOXIDE; HYDROGEN SULFIDES;AMMONIA;BORIC ACID;REMOVAL; STEAM CONDENSERS

02883 EARTHQUAKES RESULTING FROM MCTASTABLE PHASE TRANSITIONS. Dennis, J.G.; Walker, C.T. Tectonophysics; 2: No.5, 4263-4(1963). EARTHQUAKES;THERMODYNAMICS;VOLUME;VARIATIONS; HEAT;PHASE TRANSFORMATIONS;HEAT TRANSFER;EARTH MANTLE

02884 CONSERVATION OF THERMAL WATER FROM THE POINT OF VIEW OF THE GEOTHERMAL BALANCE. J. Geot., J. Vestn. Ustred. Ustavu Geol.; 41: No. 3, 177-191(1956). CZECHEOSLOVAKIA;HOT SPRINGS;THERMAL WATERS; ENERGY CONSERVATION;ENVIRONMENTAL EFFECTS; ENERGY LOSSES

02885 ASPECT ON THE RELATION OF THERMAL WATER AND MATSUSHIE EARTHQUAKES IN KAGAI HOT SPRING AREA, NAGANO PREFECTURE. Kasuga, I. J. Geot. Geos.; 76: No.6-6(1967). (In Japanese with English abstract). JAPAN;THERMAL WATERS;HOT SPRINGS;EARTHQUAKES; GEOLOGY;TEMPERATURE MONITORING;FLOW RATE;HEAT TRANSFER
ENVIRONMENTAL ASPECTS


EARTH CRUST; JAPAN; VOLCANIC REGIONS;
EARTHQUAKES; HOT SPRINGS; GEOLOGIC FISSURES; WATER; HYDROTHERMAL SYSTEMS

MICROEARTHQUAKES; SEISMIC SURVEYS

02888 MAN-INITIATED EARTHQUAKES. Endersbee, L.A. Rock Mech.; 1: No. 2-3, 165-6(1969). Effects of deep-underground liquid waste disposal on earthquakes near Denver. COLORADO; LIQUID WASTES; BOREHOLES; UNDERGROUND DISPOSAL; EARTHQUAKES; WATER RESERVOIRS; ROCK MECHANICS; SEISMIC EFFECTS; ENVIRONMENTAL EFFECTS

02889 GROUND MOVEMENT IN THE WAIOTAPU GEOTHERMAL REGION, NEW ZEALAND. Whiteford, P.C. (Geophysics Div. of Scientific and Industrial Research, Wellington, New Zealand). Geothermics; No. 2, 478-86(1970). GROUND MOTION; SEISMOLOGY; WAIOTAPU GEOTHERMAL FIELD; MAGNETIC TAPES; SEISMIC DETECTION; NEW ZEALAND; DISTANCE; VARIATIONS; NOISE; SEISMIC WAVES; SPECTRA; AMPLITUDES


02891 GROUND SUBSIDENCE OF A GEOTHERMAL FIELD DURING EXPLOITATION. Hatton, J.W. (Ministry of Works, Wairakei, New Zealand). Geothermics; Special Issue 2: 1294-4(1970). ENVIRONMENTAL EFFECTS; EXPLOITATION; GEOTHERMAL FIELDS; GROUND MOTION; AQUIFERS; NEW ZEALAND; GROUND SUBSIDENCE


02895 SPECTRAL CHARACTERISTICS OF CENTRAL NEVADA MICROEARTHQUAKES. Douglas, B.M.; Ryall, A.; Williams, R. Bull. Geol. Soc. Amer.; 66: No. 5, 2357-359(1970). NEVADA; EARTHQUAKES; SEISMIC WAVES; WAVE PROPAGATION; AMPLITUDES; SEISMIC DETECTION; GEOLIGIC DEPOSITS; PHYSICAL PROPERTIES


COLORADO; EARTHQUAKES; LIQUID WASTES; UNDERGROUND DISPOSAL; SEISMIC DETECTION; CORRELATIONS


02901 GEOTHERMAL WASTES AND WATER RESOURCES OF SALTON SEA AREA. Werner, S.L.; Olson, L.J. Calif. Dept. of Water Resources Bulletin No. 143-7. Sacramento, CA; Calif. Dept. Water Resources (Feb 1970). 123p. Office of Procurement, Documents Section, PO Box 20191, Sacramento, CA; $3.50. CALIFORNIA; GEOTHERMAL RESOURCES; WATER RESOURCES; GEOTHERMAL WELLS; BRINES; LIQUID WASTES; WASTE DISPOSAL; SURFACE WASER SALINITY; HYDROLOGY; GEOLOGY; SALTON SEA; POLLUTION; ECONOMICS; GEOTHERMAL FLUIDS

02902 ELECTRICITY FROM GEOTHERMAL, NUCLEAR, COAL SOURCES; ENVIRONMENTAL IMPACT COMPARISON. Bowen, R.G. Ore Bin; 33: No. 11, 197-202(1971). ENVIRONMENTAL EFFECTS; ELECTRIC POWER; GEOTHERMAL ENERGY; GEOTHERMAL EXPLORATION; COMPARATIVE EVALUATIONS; COAL; NUCLEAR POWER

02903 GEOTHERMAL STATIONS HAVE POLLUTION PROBLEMS. Keene, J.; Arden, T. Power (N. Y. ); 116: 96(1971). From Power from the Earth: Geothermal Energy (Bibliography), p. 6. GEOTHERMAL POWER PLANTS; ENVIRONMENTAL EFFECTS; POLLUTION

02904 ENVIRONMENTAL IMPACT STATEMENT FOR THE GEOTHERMAL LEASING PROGRAM; DRAFT. Washington, DC; USA; US Dept. Interior (Sep 1971). From Power from the Earth: Geothermal Energy (Bibliography), p. 26. CALIFORNIA; GEOTHERMAL FIELDS; GEOTHERMAL RESOURCES; EXPLOITATION; ENVIRONMENTAL IMPACT STATEMENTS; LAND LEASING

02905 GEOTHERMAL WASTES AND THE WATER
BY-PRODUCTS

FROM GEOTHERMAL BRINES. LITERATURE SURVEY.
GEOTHERMAL FLUIDS;BRINES;MINERALS;RECOVERY;ECONOMICS;USA;WASTE DISPOSAL;REVIEWS;BY-PRODUCTS


02930 NEW METHOD OF H₂S ABSORPTION AND RECOVERY FROM CARBON DIOXIDE GASES. Gunternann, W. Gas Wasserfach; 97: No. 21, 896-9(1 Nov 1956).

FROM UN Conference on New Sources of Energy; Rome, Italy (1961).
ITALY;LARDERELLO GEOTHERMAL FIELD;GEOTHERMAL ENERGY;EXPLOITATION;GEOTHERMAL FLUIDS;BORIC ACID;PRODUCTION;INDUSTRIAL PLANTS;NATURAL STEAM; ELECTRIC POWER;POWER POTENTIAL;SULFUR;AMMONIUM COMPOUNDS;BY-PRODUCTS;FUMAROLES;RECOVERY;CARBONATES

FROM UN Conference on New Sources of Energy; Rome, Italy (1961).
ITALY;LARDERELLO GEOTHERMAL FIELD;GEOTHERMAL ENERGY;EXPLOITATION;GEOTHERMAL FLUIDS;BORIC ACID;PRODUCTION;INDUSTRIAL PLANTS;NATURAL STEAM; ELECTRIC POWER;POWER POTENTIAL;SULFUR;AMMONIUM COMPOUNDS;BY-PRODUCTS;FUMAROLES;RECOVERY;CARBONATES

FROM UN Conference on New Sources of Energy; Rome, Italy (1961).
ITALY;LARDERELLO GEOTHERMAL FIELD;GEOTHERMAL ENERGY;EXPLOITATION;GEOTHERMAL FLUIDS;BORIC ACID;PRODUCTION;INDUSTRIAL PLANTS;NATURAL STEAM; ELECTRIC POWER;POWER POTENTIAL;SULFUR;AMMONIUM COMPOUNDS;BY-PRODUCTS;FUMAROLES;RECOVERY;CARBONATES

FROM UN Conference on New Sources of Energy; Rome, Italy (1961).
ITALY;LARDERELLO GEOTHERMAL FIELD;GEOTHERMAL ENERGY;EXPLOITATION;GEOTHERMAL FLUIDS;BORIC ACID;PRODUCTION;INDUSTRIAL PLANTS;NATURAL STEAM; ELECTRIC POWER;POWER POTENTIAL;SULFUR;AMMONIUM COMPOUNDS;BY-PRODUCTS;FUMAROLES;RECOVERY;CARBONATES

FROM UN Conference on New Sources of Energy; Rome, Italy (1961).
WAIKAEK GEOTHERMAL FIELD;THERMAL WATERS;LITHIUM;RECOVERY;MINERALS;CHEMICAL COMPOSITION;DEMINERALIZATION

02936 WHAT'S INVOLVED IN THE NEW STEAM PLAY. Lawrence, C.J. Oil Gas J.; 62: No. 6, 50-3(1964).
SALTON SEA;GEOTHERMAL WELLS;MINERALS;RECOVERY;WASTE DISPOSAL;THERMAL WATERS;CALIFORNIA;GEOTHERMAL RESOURCES

SALTON SEA;POTASSIUM CHLORIDES;RECOVERY;WASTE DISPOSAL;GEOTHERMAL POWER PLANTS;PILOT
PLANTS: BRINES; CHEMICAL COMPOSITION


02939 GEOTHERMAL STEAM - CHEMICALS BOOST ITS APPEAL. Chemical Week; 104: 25-6(15 Mar 1969).


GEOTHERMAL POWER PLANTS
Kakkonda River Area, Japan. GEOTHERMAL POWER PLANTS; PLANNING; JAPAN; NATURAL STEAM; GEOTHERMAL EXPLORATION; POWER POTENTIAL; DRILLING; DRY-STEAM SYSTEMS

02981 IMPACT OF GEOTHERMAL POWER ON THE ENVIRONMENT. Bowen, R.G. Congressional record 32045; (16 Sep 1970).

From Power from the Earth: Geothermal Energy (Bibliography), p. 19.

GEOTHERMAL POWER PLANTS: ENVIRONMENTAL EFFECTS; ELECTRIC POWER; POWER GENERATION; ENVIRONMENT; POLLUTION


From Power from the Earth: Geothermal Energy (Bibliography), p. 17.

GEYSERS GEOTHERMAL FIELD; GEOTHERMAL POWER PLANTS; OPERATION; POWER GENERATION; SPACE HEATING; ELECTRIC POWER


182,000 kwh generated in 1971, 600,000 kwh projected for 1975. NATURAL STEAM; DRY-STEAM SYSTEMS; ELECTRIC POWER; POWER GENERATION; MAGMA; HEAT TRANSFER; PERMEABILITY; POROSITY; ROCKS; METEORIC WATER; THERMAL WATERS; POWER POTENTIAL; GEYSERS GEOTHERMAL FIELD; GEOTHERMAL POWER PLANTS; GEOTHERMAL ENERGY

02984 UTILITIES WARM UP TO HOT WATER POWER PLANTS. Elec. Light Power (Boston); 50: No. 13, 37-48 (Jul 1972).

GEOTHERMAL POWER PLANTS; THERMAL WATERS; POWER POTENTIAL; EXPLOITATION; GEOTHERMAL ENERGY CONVERSION

02985 GEOTHERMAL ENERGY—GROWTH SPURRED ON BY "POWERFUL MOTIVES". Chasteen, A.J. (Union Oil Co. of California, Los Angeles). Mining Engineering; 24: No. 10, 100-102 (Oct 1972).

630 MW planned capacity (1975). GEOTHERMAL ENERGY; GEOTHERMAL RESOURCES; GEOTHERMAL POWER PLANTS; GEYSERS GEOTHERMAL FIELD; ELECTRIC POWER; ECONOMICS; POWER GENERATION; POWER POTENTIAL

02986 ONLY GEOTHERMAL POWER PLANT IN THE UNITED STATES SOON TO BE WORLD'S LARGEST. (Aware, Community Performance Publications, Inc.). Aware; No. 25, 14 (Oct 1972).

GEYSERS GEOTHERMAL FIELD; GEOTHERMAL POWER PLANTS; POWER POTENTIAL; POWER GENERATION


NUCLEAR POWER PLANTS; BREEDER REACTORS; GEOTHERMAL ENERGY; SOLAR POWER PLANTS; FUEL CELLS; THERMONEUTRAL REACTORS; MH2 GENERATORS; ENERGY SOURCES; EFFICIENCY; ENERGY CONVERSION; PERFORMANCE; COAL GASEIFICATION


GEOTHERMAL ENERGY; USES; ELECTRIC POWER; ECONOMICS; ELECTRIC GENERATORS; TURBINE GENERATORS; POWER POTENTIAL; POWER GENERATION; GEOTHERMAL POWER PLANTS; RURAL AREAS

GEOTHERMAL ENERGY

PERFORMANCE; ITALY; LARDERELLO GEOTHERMAL FIELD; EQUIPMENT

03007 POWER GENERATION FROM HOT SPRING. Engr.: 174: 660-1, 691-3(1952). (UCRL--5298). Larderello, TUSCANY REPUBLIC; HOT SPRINGS; POWER GENERATION; GEOTHERMAL POWER PLANTS; MINING; TIN

03008 POWER GENERATION FROM HOT SPRING. Engineering: 174: No. 4530, 4531, v(Dec 1952). GEOTHERMAL POWER PLANTS; HOT SPRINGS; ITALY; SPECIFICATIONS; ELECTRIC POWER; POWER GENERATION

03009 CHILEAN PROJECT FOR PRODUCING ALUMINUM BY MEANS OF GEOTHERMAL ENERGY. Baudart, G.A. Rev. Alumin.: 52: No. 219, 247-9(Mar 1955). CHILE; GEOTHERMAL POWER PLANTS; ALUMINUM; INDUSTRIAL PLANTS; PLANNING; PRODUCTION; PILOT PLANTS; GEOTHERMAL ENERGY

03010 GENERATION OF ELECTRICAL POWER FROM HOT WATER SPRINGS. Vorster, W.H. South African Mech. Engr.: 5: 381-8(Apr 1956). CONGO PEOPLES REPUBLIC; GEOTHERMAL ENERGY; HOT SPRINGS; ELECTRIC POWER; POWER GENERATION; MINING; GEOTHERMAL POWER PLANTS; DESIGN; OPERATION; HOT-WATER SYSTEMS

03011 CONSTRUCTION OF GEOTHERMAL POWER STATION. Martinelle, C.F. N. Z. Eng.: 14: No. 10, 337-46(15 Oct 1959). NEW ZEALAND; WAIRAKEI GEOTHERMAL FIELD; GEOTHERMAL POWER PLANTS; ELECTRIC POWER; OPERATION; PIPELINE; DESIGN; CONSTRUCTION; PLANNING


03013 NEW PG AND E POWER PLANT WILL UTILIZE NATURAL STEAM FROM 'GEYSERS'. Lindbeck, W. Pac. Bldr. and Engr.: 66: No. 5, 94-5(May 1960). GEYSERS GEOTHERMAL FIELD; GEOTHERMAL POWER PLANTS; CALIFORNIA; HOT SPRINGS; NATURAL STEAM; OPERATION; PLANNING; ELECTRIC POWER; CONSTRUCTION; TURBOGENERATORS

03014 NATURAL STEAM SOURCE HARNESSSED FOR COMMERCIAL ELECTRIC POWER. Bruce, A.W. Electron. World: 153: No. 26, v(27 Jun 1960). CALIFORNIA; NATURAL STEAM; GEYSERS GEOTHERMAL FIELD; GEOTHERMAL POWER PLANTS; OPERATION; ELECTRIC POWER; TURBOGENERATORS

03015 ELECTRICITY PRODUCTION WITH EARTH HEAT. Bries, E. Elteknik: 4: No. 6, 107-10(Jun 1961). GEOTHERMAL POWER PLANTS; SPECIFICATIONS; ICELAND; DESIGN; GEOTHERMAL WELLS


03017 EXPERIMENTAL INDUSTRIAL GEOTHERMAL STEAM POWER PLANT. Vysorkov, B.M. Teploenenergetika: No. 5, 21-6(May 1963). USSR; GEOTHERMAL POWER PLANTS; DESIGN; CONSTRUCTION; PAUZHETSK GEOTHERMAL FIELD; HOT SPRINGS; GEOTHERMAL RESOURCES; GEOLOGY; HYDROLOGY; SITE SELECTION


03020 GAMMA RADIOGRAPHY AT NEW ZEALAND GEOTHERMAL STEAM POWER STATION. Gray, C.M. At. Energy A.: 7: No. 3, 711-14(1960). WAIRAKEI GEOTHERMAL FIELD; GAMMA RADIOGRAPHY; PIPELINES; NONDESTRUCTIVE TESTING; GEOTHERMAL POWER PLANTS; GAMMA SOURCES; PIPE JOINTS; WELDED JOINTS; NEW ZEALAND; RADIOISOTOPES


03024 GEYSER STEAM IS GOOD BUY. Herron, E.A. Power Eng.: 70: No. 4, 48-50(Apr 1966). GEYSERS; STEAM; GEOTHERMAL POWER PLANTS; CASES; CORROSION EFFECTS; SPECIFICATIONS

03025 CALIFORNIA GEOTHERMAL PLANTS. Moxey, R. Ind. Mineraria: 19: No. 8, Sec. 2, 440-7(1963). CALIFORNIA; GEYSERS GEOTHERMAL FIELD; GEOTHERMAL POWER PLANTS; OPERATION; PERFORMANCE; ELECTRIC POWER; POWER GENERATION; GEOTHERMAL ENERGY; NATURAL STEAM; ITALY; NEW ZEALAND; GEOTHERMAL RESOURCES; ENERGY RESERVES

03026 PROGRESS OF GEOTHERMAL DEVELOPMENT IN


GEOTHERMAL POWER PLANTS:MAINTENANCE;STEAM TURBINES;CHEMICAL PROPERTIES;PHYSICAL PROPERTIES.


GEOTHERMAL POWER PLANTS;LARDERELLO GEOTHERMAL FIELD;ITALY;OPERATION;PERFORMANCE;EFFICIENCY;EQUIPMENT;POWER GENERATION.


GEOTHERMAL POWER PLANTS;ENGINEERING;WASTE DISPOSAL;WATER;INJECTION WELLS;PIPELINES;DESIGN;ALUMINUM;STEAM TURBINES;ECONOMICS;STAINLESS STEELS.


12,000 kW output, 1.5 kg/cm² saturated steam. OTAKE GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;ENGINEERING;DESIGN;STEAM;SPECIFICATIONS;HOT-WATER SYSTEMS;JAPAN.


100,000 kW plant capacity. GEOTHERMAL POWER PLANTS;OPERATION;PILOT PLANTS;ENGINEERING;DESIGN;STEAM;SPECIFICATIONS;HOT-WATER SYSTEMS;JAPAN;STEAM TURBINES.


GEOTHERMAL POWER PLANTS;USSR;BINARY CYCLES;FREON;POWER GENERATION;OPERATION;GAS TURBINES;PARATUNKA GEOTHERMAL FIELD;HEAT EXCHANGERS.


WAKIRAKEI GEOTHERMAL FIELD;FLASHING THERMAL WATER;BOREHOLES;RECOVERY;STEAM SEPARATORS;HOT-WATER SYSTEMS;GEOTHERMAL POWER PLANTS.


MATSUKAWA GEOTHERMAL FIELD;GEOTHERMAL POWER PLANTS;OPERATION;FLUID FLOW;CHEMICAL COMPOSITION;PRESSURE MEASUREMENT;TEMPERATURE MEASUREMENT;CORROSION;PIPELINES;DESIGN;SPECIFICATIONS;THERMAL WATER;GEOTHERMAL WELLS;JAPAN;PERFORMANCE;TRANSPORT;NATURAL STEAM.


82,000 kW current production, 110,000 kW planned. GEOTHERMAL POWER PLANTS;GEYSERS GEOTHERMAL FIELD;CALIFORNIA;STEAM TURBINES;OPERATION;DESIGN;INJECTION WELLS;WASTE DISPOSAL;CORROSION;POWER GENERATION;PLANNING.


20,000 kW. GEOTHERMAL POWER PLANTS;MATSUKAWA GEOTHERMAL FIELD;JAPAN;SCALING;ACCIDENTS;TURBINES;VALVES;EQUIPMENT;OPERATION;BLOWOUTS.

03041 MECHANICAL FEATURES OF A GEOTHERMAL PLANT. Akiba, M. (Turbine Engng. Dept.,


GEOTHERMAL POWER PLANTS; JAPAN; DESIGN; TESTING; MATSUOKA GEOTHERMAL FIELD; USES; SPECIFICATIONS


03043 GEOTHERMAL GROWING AS A POWER SOURCE. Blec. World; 32-3(22 Jun 1970). GEOTHERMAL RESOURCES; GEYSERS GEOTHERMAL FIELD; GEOTHERMAL POWER PLANTS; DESIGN; OPERATION; COST; HYDROGEN SULFIDES; CORROSION; CALIFORNIA; GEOTHERMAL ENERGY; ELECTRIC POWER; POWER GENERATION

03044 SUPERHEATING OF GEOTHERMAL STEAM FOR POWER. James, C.R. N. Z. Eng.; 25: No. 12, 325-8 (Dec 1970). 1099°F superheated steam, 50 lb/ln. BOREHOLES; GEOTHERMAL FIELDS; SUPERHEATING; NATURAL STEAM; FUELS; WATER; MIXTURES; GEOTHERMAL POWER PLANTS; IMPURITIES; STEAM TURBINES; OPERATION; SUPERHEATERS


03049 DEVELOPMENT OF GEOTHERMAL ENERGY IN MEXICO. Salazar, A.G. Soc. Geol. Mex., Conv. Nac.; Mem.; No. 2, 152-3 (1972). MEXICO; GEOTHERMAL POWER PLANTS; OPERATION; GEOTHERMAL ENERGY; ELECTRIC POWER; GEOTHERMAL EXPLORATION


03052 OPERATIONAL EXPERIENCES AT OTAKE GEOTHERMAL POWER STATION. Ueno, T. (Kyushu Electric Power Co.). Nenryo Kyokai-shi; 51: No. 541, 291-6 (May 1972). OTAKE GEOTHERMAL FIELD; GEOTHERMAL POWER PLANTS; OPERATION; PERFORMANCE; JAPAN

03053 LARDERELLO AND MONTE AMIATA-ELECTRIC POWER FROM ENDOGENOUS STEAM. Elektrotechnica; 59: No. 6, 83-5 (Aug 1971). LARDERELLO GEOTHERMAL FIELD; MONTE AMIATA GEOTHERMAL FIELD; GEOLOGY; MORPHOLOGICAL CHANGES; GEOTHERMAL ENERGY; EXPLOITATION; GEOTHERMAL POWER PLANTS; ELECTRIC POWER; POWER GENERATION; NATURAL STEAM; OPERATION

03054 NEW GEOTHERMAL FIELD STARTS PRODUCING. Elec. World; 26-9 (1 Aug 1972). CERRO PRIETO GEOTHERMAL FIELD; GEOTHERMAL POWER PLANTS; STEAM MUFFLERS; DESIGN; EQUIPMENT; WELL DRILLING; GEOTHERMAL WELLS


03058 GEOTHERMAL POWER STILL IFfy. Weijsmantel, G. Chem. Eng.; 80: No. 6, 40-41 (1973). GEOTHERMAL POWER PLANTS; OPERATION; EFFICIENCY; ELECTRIC POWER; PRODUCTION; COST; CERRO PRIETO GEOTHERMAL FIELD; BRINES; CORROSIVE EFFECTS; ENVIRONMENT; POLLUTION; PERFORMANCE; WASTE DISPOSAL; DESALINATION


03061 TECHNOLOGICAL 'BREAKTHROUGH' PROMISES TO TAP GEOTHERMAL POWER CHEAPLY. Anon. Eng. Mining J.; 174: No. 3, 26 (Mar 1973). DOWNHOLE HEAT EXCHANGERS; HEAT EXCHANGERS; GEOTHERMAL POWER PLANTS; BRINES; CORROSION RESISTANCE; HEAT TRANSFER; DESIGN; STEAM

03062 HEAT-STORAGE WELLS FOR CONSERVING ENERGY AND REDUCING THERMAL POLLUTION. Meyer,
Power Conversion Systems

Refer also to citation(s) 2150


From a. Intersociety Energy Conversion Engineering Conference, Univ. Pennsylvania Thermodynamic cycles; Geothermal energy; Geothermal energy conversion; Efficiency; Heat; depth; Waste disposal; Thermoelectric Conversion.


Italy; Geothermal power plants; Binary cycles; Natural steam; Steam turbines; Performance; operation; Alkanes; organic chlorine compounds; heat exchangers; Thermal waters.


Normal output of 22,000 kW and maximum of 26,000 kW. Larderello Geothermal Field; Geothermal power plants; Natural steam; Steam turbines; Electric power; Turbogenerators; Power generation.


From UN Conference on New Sources of Energy; Rome, Italy (1961).

Larderello Geothermal Field; Geothermal power plants; Natural steam; Steam condensers; Performance; economics; Electric power; Power generation; Geothermal energy; Exploitation; Inorganic compounds; Recovery; Italy.


From UN Conference on New Sources of Energy; Rome, Italy (1961).

Geysers Geothermal Field; Geothermal power plants; Thermodynamic cycles; Economics; Power generation; Turbines; Maintenance; Geothermal wells; Cost; Flashing; Natural steam; Thermal waters.


Heat exchangers; Design; Thermal waters; Freons; USSR; Power generation.

GEOTHERMAL ENERGY

GEOTHERMAL POWER PLANTS; BINARY CYCLES; WORKING FLUIDS; RANKINE CYCLE; EFFICIENCY; HEAT TRANSFER; TURBINES; GASEOUS WASTES; PRESSURE DEPENDENCE


GEOTHERMAL POWER PLANTS; STEAM TURBINES; TURBINE GENERATORS; EFFICIENCY; DESIGN; STEAM CONDENSERS


1000 kW ELECTRIC POWER; POWER GENERATION; WATER; LOW TEMPERATURE; CONVERSION; DENSITY; FREON; THERMAL WATERS; GRAVIMETRY; HOT-WATER SYSTEMS; GEOTHERMAL ENERGY CONVERSION; TWO-PHASE FLOW; THERMODYNAMIC CYCLES


From ASME Meeting; (24-28 May 1970). GAS TURBINES; GEOTHERMAL POWER PLANTS; THERMAL WATERS; STEAM; CARBON DIOXIDE; CONTROL; BINARY CYCLES; DESIGN; PERFORMANCE


Magmamax power cycle. GEOTHERMAL POWER PLANTS; 2-METHYLPROPANE; POWER GENERATION; THERMAL WATERS; GAS TURBINES; EFFICIENCY; HOT-WATER SYSTEMS; BINARY CYCLES


DESIGN; STEAM TURBINES; GEOTHERMAL POWER PLANTS; OPERATION


GEOTHERMAL ENERGY; USES; ICELAND; HUNGARY; USSR; JAPAN; ITALY; BINARY CYCLES; TWO-PHASE FLOW; HYDRAULICS; GAS TURBINES; DESIGN; STRUCTURAL MODELS; SIMULATORS; GEOTHERMAL POWER PLANTS; DENSITY


GEYSERS GEOTHERMAL FIELD; GEOTHERMAL POWER PLANTS; TURBINE GENERATORS; DESIGN; EQUIPMENT


HEAT TRANSFER; GEOTHERMAL ENERGY; GEOTHERMAL POWER PLANTS; ELECTRIC POWER; BINARY CYCLES; GAS TURBINES; WORKING FLUIDS; HEAT EXCHANGERS; ENERGY CONVERSION; POTASSIUM-2-METHYLPROPANE; THERMODYNAMIC CYCLES

03086 THERMODYNAMIC POWER CYCLE FOR RECOVERY


GEOTHERMAL ENERGY; THERMODYNAMIC CYCLES; GEOTHERMAL ENERGY CONVERSION; THERMODYNAMICS; HEAT; EFFICIENCY; POWER GENERATION


GEOTHERMAL POWER PLANTS; EFFICIENCY; ENERGY LOSSES; HEAT; POWER GENERATION; FREON; STEAM; DESIGN; BINARY CYCLES; THERMODYNAMIC CYCLES; GEOTHERMAL ENERGY CONVERSION; THERMAL WATERS


BINARY CYCLES; STEAM; POTASSIUM; VAPORS; EFFICIENCY; THERMAL POLLUTION


BINARY CYCLES; GAS TURBINES; PERFORMANCE; THERMODYNAMICS; HELIUM; CARBON DIOXIDE


STEAM; TURBINES; ECONOMICS; BRINES; GEOTHERMAL WELLS; PUMPS; INJECTION WELLS; ENERGY CONVERSION; IMPURITIES; DESIGN; EQUIPMENT; TURBINES; GEOTHERMAL ENERGY


GEOTHERMAL ENERGY; MEXICO; POWER GENERATION; STEAM TURBINES; GEOTHERMAL POWER PLANTS; TURBOGENERATORS; ECONOMICS


BINARY CYCLES; GEOTHERMAL ENERGY; ELECTRIC POWER; GEOTHERMAL ENERGY CONVERSION; GAS TURBINES; GEOTHERMAL POWER PLANTS; ENERGY SOURCES; ECONOMICS; PLANNING; DESIGN; RESEARCH PROGRAMS; ENVIRONMENT; POLLUTION; POWER PLANTS; BRINES


GEOTHERMAL ENERGY CONVERSION; THERMODYNAMICS; ENERGY SOURCES; POWER GENERATION


GEOTHERMAL POWER PLANTS; HEAT EXCHANGERS;
Drilling Techniques and Well Hardware

REFER ALSO TO CITATION (S) 223, 1679, 2656,

03110  (LA--5207-MS) HEAT LOSS CALCULATIONS FOR SMALL DIAMETER SUBTERRENE PENETRATORS. Murphy, D.J.; Gido, R.G. (Los Alamos Scientific Lab., N.Mex. (USA)). Feb 1973. Contract W-7405-eng-36. 15p. Dep. NTIS $3.00. SUBTERRENE PENETRATORS; HEAT TRANSFER; MATHEMATICAL MODELS; THERMAL EFFICIENCY; ROCKS; THERMAL CONDUCTIVITY; SOILS; MELTING; ROCK DRILLING; PERFORMANCE

03111  (LA--UR--74-740) ROCK MELTING SUBTERRENES, THEIR ROLE IN FUTURE EXCAVATION TECHNOLOGY. Rowley, J.C.; Hanold, R.J.; Bankston, C.A. (Neudecker, J.W. (CONF--740631-1). Dep. NTIS $4.00. From Rapid excavation and tunneling conference; San Francisco, California, USA (24 Jun 1974). GEOLIGC DEPOSITS; EXCAVATION; ROCKS; BOREHOLES; SUBTERRENE PENETRATORS; TUNNELS; DESIGN; PERFORMANCE; ECONOMICS; ROCK DRILLING

03112  (LA--UR--74-1880) ROCK MELTING TECHNOLOGY AND GEOTHERMAL DRILLING. Rowley, J.C. (Los Alamos Scientific Lab., N.Mex. (USA)). [nd]. Contract W-7405-eng-36-19p. (CONF-740959--2). Dep. NTIS $4.00. From Conference on research for development of geothermal energy resources; Paesadena, California, USA (23 Sep 1974). ROCK DRILLING; SUBTERRENE PENETRATORS; RESEARCH PROGRAMS; GEOTHERMAL WELLS; WELL DRILLING; GEYSERS GEOTHERMAL FIELD; IMPERIAL VALLEY; ECONOMICS; GEOLOGY; PLANNING; OPERATION; COST; MELTING

03113  (NVO--151) DRILLING PLAN. RAFT RIVER GEOTHERMAL EXPLORATORY HOLE NO. 1. IDAHO GEOTHERMAL R AND D PROJECT. (USACE Nevada Operations Office, Las Vegas. Industrial Applications Div.). Dec 1974. 47p. (I00--10060). Dep. NTIS $5.50. IDAHO; GEOTHERMAL FIELDS; GEOTHERMAL WELLS; WELL DRILLING; PLANNING; SAFETY; COST; MANAGEMENT; HOT-WATER SYSTEMS; SPECIFICATIONS

03114  TIME NECESSARY FOR A BOREHOLE TO ATTAIN TEMPERATURE EQUILIBRIUM. Bullard, C.C.; Roy, Astron. Soc. Monthly No., Geophysics Suppl.; 5. No. 5, 127-30(1947). Method for calculating BOREHOLES; HEATING; HEAT TRANSFER; DRILLING FLUIDS; GEOTHERMAL GRADIENTS; MEASURING METHODS; ACCURACY; TIME DEPENDENCE; TEMPERATURE MEASUREMENT; WELL DRILLING; THERMAL EQUILIBRIUM


03116  DRILLING OF OFFSHORE BOREHOLES. Davydovskii, Yu.S. (Okhr. Nerd; No. 5, 45-8(May 1959). WELL DRILLING; OFFSHORE SITES; EQUIPMENT

03117  DRILLING PROCEDURES AT N.Z. GEOTHERMAL STEAM PROJECT. Chem. Eng. and Min. Rev.; 51: No. 8, 50-4(15 May 1959). WAIRAKEI GEOTHERMAL FIELD; WELL DRILLING; EQUIPMENT; GEOTHERMAL WELLS; THERMAL WATERS; ORIGIN


03119  EXPLORATION DRILLING TECHNIQUES. Burnhart, V.N. Mining Congr. J.; 45: No. 6, 66-8(Aug 1959). WELL DRILLING; EQUIPMENT; PUMPS; DESIGN


03123  WILD STEAM WELL CONTROLLED BY DIRECTIONAL DRILLING. Byron, L.G. World Oil; 154: No. 5, 154-6(1962). WELL DRILLING; GEOTHERMAL WELLS; BLOWOUTS; CONTROL

03124  HYDROThERMAL PRODUCTS FORMED FROM MONTMORILLONITE CLAY SYSTEMS. Mccaleb, S.A. pp 276-94 of Clays and clay minerals. Swineford, A. (ed.). New York; Pergamon Press (1962). X-RAY DIFFRACTION; ILLITE; ZEOLITES; CHLORITE MINERALS; VERMICULITE; MICA; WATER; HYDROCHLORIC ACID; GLYCEROL; CLAYS; SYNTHESIS; CALCIUM SILICATES; GELATION; CALCIUM OXIDES; HYDROTHERMAL ALTERATION


03126  DRILLING OF BOREHOLES USING AIR AS CIRCULATING MEDIUM IN CZECHOSLOVAKIA. Miklash, V. Mining Congr. J.; 45: No. 11, 56-60(Apr 1962). DRILLING; BOREHOLES; DRILLING FLUIDS; SURFACANTs; PERFORMANCE

DRILLING TECHNIQUES AND WELL HARDWARE

GEOTHERMAL POWER PLANTS; ELECTRIC POWER; POWER POTENTIAL; GEOTHERMAL WELLS; WELL DRILLING; NEW ZEALAND

03126 DEVELOPMENT AND PERFORMANCE OF A STEAM-WATER SEPARATOR FOR USE IN GEOTHERMAL BORES.
WAIKAREI GEOThermal FIELD; GEOTHERMAL WELLS; NATURAL STEAM; BOREHOLES; FLUID FLOW; DRILLING FLUIDS; NEW ZEALAND

03129 DRILLING MUD IN GEOTHERMAL DRILLING.
WAIKAREI GEOThermal FIELD; WELL DRILLING; GEOTHERMAL WELLS; NATURAL STEAM; BOREHOLES; FLUID FLOW; DRILLING FLUIDS; NEW ZEALAND

03130 AIR DRILLING IN GEOTHERMAL BORES.
NATURAL STEAM; LARDERELLO GEOTHERMAL FIELD; DRILLING; WELL CASINGS; DRILLING FLUIDS; AIR; BLOWOUTS; CONTROL; PRESSURE MEASUREMENT; TEMPERATURE MEASUREMENT; GEOTHERMAL WELLS; DRY-STEAM SYSTEMS

03132 GEOTHERMAL DRILLING PRACTICES AT WAIRAKEI, NEW ZEALAND.
WAIKAREI GEOThermal FIELD; DRILLING; GEOTHERMAL WELLS; DEPTH; GEOTHERMAL EXPLORATION; PRODUCTION

03133 DEVELOPMENT OF CASINGS FOR GEOTHERMAL BOREHOLES AT WAIRAKEI, NEW ZEALAND.
GEOTHERMAL WELLS; WAIKAREI GEOTHERMAL FIELD; WELL CASINGS; PERFORMANCE; WELL DRILLING

03134 DRILLING EQUIPMENT USED AT WAIRAKEI GEOTHERMAL POWER PROJECT, NEW ZEALAND.
WAIKAREI GEOThermal FIELD; WELL DRILLING; EQUIPMENT; PERFORMANCE

03135 DRILLING FOR NATURAL STEAM AND HOT WATER IN ICELAND.
ICELAND; GEOTHERMAL WELLS; WELL DRILLING; NATURAL STEAM; PERFORMANCE; EQUIPMENT

03136 PREVENTION OF BLOWOUTS AND OTHER ASPECTS OF SAFETY IN GEOTHERMAL STEAM DRILLING.
WAIKAREI GEOTHERMAL FIELD; WELL DRILLING; GEOTHERMAL WELLS; BLOWOUTS; SAFETY; BOREHOLES

03137 CEMENTING GEOTHERMAL STEAM WELLS.
OSTROOT, G.W.; SHRYOCK, S.J. Petrol. Technol.; 16: No. 12, 1425-9 (Dec 1964). WELL CASINGS; CEMENTS; COMPRESSION STRENGTH; GEOTHERMAL WELLS; PERFORMANCE

03138 APPARATUS FOR USING A SOURCE OF ENERGY FROM AN OVERPRESSURED FORMATION.
HOTTMAN, C.E. (to Shell Oil Co.). US Patent 3,394,306. 11 Jul 1967. Filed date 25 Feb 1965. 8p. Patents. SHALES; GEOTHERMAL ENERGY; PATENTS; ENERGY SOURCES; PLANNING; TEXAS; GULF OF MEXICO; DISTRIBUTION; TEMPERATURE MEASUREMENT; WELL LOGGING; EQUIPMENT; GEOPRESSURED SYSTEMS; GEOTHERMAL RESOURCES

03139 TEMPERATURE REGIME OF WELLS BEING DRILLED.
NATURAL STEAM; BOREHOLES; MEASURING METHODS; TEMPERATURE MEASUREMENT; DRILLING

03140 THAR SHE BLOWS.
FOOTE, M.A. Driller; 42: No. 11, 30-3 (1968).
GEYSER DRILLING TECHNIQUE. WELL DRILLING; GEYSERS; REVIEWS; DEPOSITS; GEOTHERMAL WATERS

03141 NOTE ON THE THEORY OF TEMPERATURE LOGGING.
DRILLING FLUIDS; HEAT TRANSFER; GEOTHERMAL WELLS; TEMPERATURE MEASUREMENT; DRILLING

03142 PROFESSIONAL DRILLER'S EVALUATION OF GEOTHERMAL DRILLING AND PRODUCTION PROBLEMS.

03143 PROBLEM OF CHOICE OF LEVER SYSTEM OF CLAMPING DEVICES.

03144 ESTIMATION OF THE EFFICIENCY OF A DUAL BOREHOLE GAMMA SPECTROMETER (IN YADERNAYA GEOFIZIKA).
WELL LOGGING; GAMMA SPECTROMETERS; EFFICIENCY; BOREHOLES; MEASURING METHODS

03145 MACHINERY AND EQUIPMENT FOR HARNESSING OF ENDOGENOUS FLUIDS.
WATER; DEHYDRATION; MACHINE; EQUIPMENT; MECHANICS; ENGINEERING


03163 HOW GEOTHERMAL WELLS ARE DRILLED AND COMPLETED. Crobling, J. (Big Chief Drill Co., Oklahoma City, OK). World Oil; 177: No. 6, 42-45(Dec 1973).

TRANSMISSION OF LONGITUDINAL AND TORQUE PULSE DATA FROM DRILL STRING IN WELL WHILE DRILLING. Fowler, J.R. (to Texaco, Inc.). US Patent 3,813,656. 28 May 1974. Filed date 29 Sep 1972. EQUIPMENT;WELL DRILLING;CUTTING TOOLS;DESIGN;REMOTE CONTROL

Geothermal Fluid Transmission

REFER ALSO TO CITATION (S) 2577, 3328, 3368

03166 STUDY OF COOLANT FLOW IN MAN-MADE UNDERGROUND CIRCULATION SYSTEMS ON CONTINUOUS MODELS BY THE METHOD OF ELECTROHYDRODYNAMIC ANALOGY. Kononenko, G.N.; Tsyrul’nikov, A.S. Fluid Mech. - Gov. Res.: 2: No. 3. 145-8(May-Jun 1973). HEAT TRANSFER;HEAT EXCHANGERS;UNDERGROUND;BOILERS;COOLANT LOOPS;SIMULATION;ELECTROHYDRODYNAMICS;COOLANTS;FLUID FLOW

03167 HYDROLOGIC ANALYSIS OF THE GROUNDWATER-HEAT INTERCHANGE FORCE HEAT PUMP SYSTEM. Fryberger, J.S. Eng. Geol. (Amsterdam); 1: No. 2. 54-8(1964). GROUND WATER;HEAT PUMPS;WASTE DISPOSAL;UNDERGROUND DISPOSAL;AQUIFERS;LIQUID WASTES;HEAT TRANSFER;HYDROLOGY

03168 PIPELINE TRANSMISSION OF STEAM-WATER MIXTURES FOR GEOTHERMAL POWER. James, R. N.Z. Eng.: 23: No. 2. 55-6(Dec 1968). GEOTHERMAL FLUIDS;TWO-PHASE FLOW;PIPELINES;GEOTHERMAL FIELDS;GEOTHERMAL POWER PLANTS;PRESSURE DROP;STEAM;WATER;GEOTHERMAL WELLS;TRANSPORT

03169 SECOND GENERATION GEOTHERMAL POWER. James, R. N.Z. Eng.: 23: No. 6. 230-6(Jun 1968). GEOTHERMAL WELLS;GEOTHERMAL POWER PLANTS;PIPELINES;GEOTHERMAL FLUIDS;TRANSPORT;TWO-PHASE FLOW;STEAM-WATER FLOW RATE;GEOTHERMAL FIELDS;POWER POTENTIAL;SCALING;DESIGN;ENTHALPY

03170 DESIGN AND CONSTRUCTION OF STEAM PIPELINES. Pollastri, G. (ENEL - Compartimento di Firenze, Italy). Geothermics: No. 2. 780-81(1970). PIPELINES;NATURAL STEAM;DESIGN;CONSTRUCTION;OPTIMIZATION;GEOTHERMAL FIELDS;CORROSION;THERMAL INSULATION;THERMAL EXPANSION

03171 EXPERIMENT ON PIPELINE TRANSPORTATION OF STEAM-WATER MIXTURES AT OTAKE GEOTHERMAL FIELD. Takahashi, Y. (Mitsubishi Heavy Industries, Ltd., Nagasaki Technical Institute, Machinery Research Section, Nagasaki, Japan); Hayashida, T.; Soejima, S.; Aramaki, S.; Soda, M. Geothermics: No. 2. 882-91(1970). PIPELINES;GEOTHERMAL POWER PLANTS;GEOTHERMAL FLUIDS;TRANSPORT;OTAKE GEOTHERMAL FIELD;GEOTHERMAL FIELDS;JAPAN


03173 FLOW OF STEAM--WATER MIXTURES THROUGH A 12-INCH-DIAMETER PIPELINE: TEST RESULTS. James, R.; McDowell, G.D.; Allen, M.D. (DSIR, Teupou, New Zealand). Geothermics: Special Issue 2: 1581-7(1970). PIPELINES;FLUID FLOW;INSTABILITY;PERFORMANCE;FLASHING;HOT-WATER SYSTEMS;GEOTHERMAL WELLS;VELOCITY;ENTHALPY;STEAM;TWO-PHASE FLOW;GEOTHERMAL FLUIDS;WATER;MIXTURES


Corrosion and Scaling

REFER ALSO TO CITATION (S) 580, 2882, 3024

03175 (ORNL-TM-4137) SILICA SCALE FORMATION IN SIMULATED GEOTHERMAL BRINE. Harley, P.H. (Oak Ridge National Lab., Tenn. (USA)). 1973. 21p. Dep. NTIS. No. 290 to 3559P. GEOTHERMAL FLUIDS;BRINES;SCALING;SILICON OXIDES;HEAT TRANSFER;EVAPORATORS;TUBES;SIMULATION;CALCIUM;MAGNESIUM;DISSOLUTION;CORROSION EFFECTS;DEPOSITION

03176 (PB-233051) LABORATORY PROGRAM OF STUDY FLASHING AND SCALING CHARACTERISTICS OF GEOTHERMAL BRINES. RESEARCH AND DEVELOPMENT PROGRESS REPORT. Wilson, J.S.; Warren, G.R. (Dow Chemical Co., Midland, Mich. (USA)). Jun 1973. Contract DI-14-30-2936. 94p. (INT-0SW-RDP--74-606). NTIS $7.75. $1.45 (af). BRINES;DE SalINATION;FLASHING;IMPERIAL VALLEY;OPERATION;SCALING;CORROSION;EQUIPMENT;SIMULATION;CORROSION EFFECTS;STAINLESS STEEL;NICKEL;MONEL


03179 (UCRL--73939(Rev.2)) CORROSION AND SCALING BY STEAM IN NUCLEAR GEOTHERMAL POWER PLANTS. Krikorian, O.H. (California Univ., Livermore (USA). Lawrence Livermore Lab.). 26 Jul 1972. 39p. (CONF-720697-27). NTIS $3.00; $0.95 (mf).


NUCLEAR EXPLOSIONS; UNDERGROUND EXPLOSIONS; EXPLOSIVE STIMULATION; NATURAL STEAM; CORROSION; SCALING; MINERALS; ABUNDANCE; RADIOACTIVITY; GEOTHERMAL POWER PLANTS; CORROSION EFFECTS; GEOTHERMAL SYSTEMS; CONTAMINATION.


COPPER; CORROSION; BRASS; GEOTHERMAL FLUIDS; CORROSION EFFECTS; TUBES; CORROSION PROTECTION; HEAT EXCHANGERS.


STEELS; CORROSION; STRESS CORROSION; NATURAL STEAM; CORROSION EFFECTS; BRONZE; CHLORIDES; HYDROGEN SULFIDES; CARBON DIOXIDE; CHROMIUM STEELS.


From UN Conference on New Sources of Energy; Rome, Italy (1961).

WAIRAKEI GEOTHERMAL FIELD; GEOTHERMAL FLUIDS; GEOTHERMAL POWER PLANTS; CORROSION EFFECTS; CORROSION; DESIGN; METALS; OPERATION; FATIGUE; STEELS; NEW ZEALAND.


TURBINE GENERATORS; STEAM; CORROSION; SODIUM; STEAM TURBINES; MEASURING METHODS.


(English summary).

THERMAL POWER PLANTS; MINERALS; TURBINES; DEPOSITION; EQUIPMENT; SILICON OXIDES; SCALING; CHLORIDES; CARBONATES; SULFATES; FELDSPARS; PHOSPHATES.


BULGARIA; GEOTHERMAL FLUIDS; THERMAL WATERS; CORROSION EFFECTS; PIPELINES; CORROSION; STEELS; SALINITY; pH VALUES; SODIUM COMPOUNDS; POTASSIUM COMPOUNDS; CALCIUM COMPOUNDS; MAGNESIUM COMPOUNDS; CHLORIDES; SULFATES; CARBONATES.


GEOTHERMAL ENERGY; STEELS; CORROSION; THERMAL WATERS; CHEMICAL COMPOSITION; CARBONATE FILTRATION; PIPES; USSR; DEPOSITION; CORROSION PROTECTION; CALCIUM CARBONATES; PRECIPITATION; CORROSION EFFECTS.


WELL CASINGS; STEELS; FRACTURES; GEOTHERMAL WELLS; PERFORMANCE; CORROSION; STRESSES.


GEOTHERMAL POWER PLANTS; EQUIPMENT; CORROSION; STEAMS; PIPES; ABRASION; EROSION; SCALING; CORROSION PROTECTION.


SAMPLING; GEOTHERMAL WELLS; CALCIUM CARBONATES; PRECIPITATION; PROBES; PHYSICAL PROPERTIES; CHEMICAL PROPERTIES; GEOTHERMAL FLUIDS; LAYERS; SCALING.


CORROSION; TURBINES; STEAM SEPARATORS; STAINLESS STEELS; ALUMINUM; CORROSION PROTECTION; EQUIPMENT; GEOTHERMAL POWER PLANTS.


THERMAL WATERS; PIPELINES; SPACE HEATING; OXYGEN; CORROSION INHIBITORS; CORROSION PROTECTION; SURFACE COATING; SODIUM COMPOUNDS; SULFITES; IRON OXIDES; SILICON OXIDES; SODIUM SILICATES; CORROSION EFFECTS; METALS; CORROSION.


THERMAL WATERS; PIPELINES; SPACE HEATING; OXYGEN; CORROSION INHIBITORS; CORROSION PROTECTION; SURFACE COATING; SODIUM COMPOUNDS; SULFITES; IRON OXIDES; SILICON OXIDES; SODIUM SILICATES; CORROSION EFFECTS; METALS; CORROSION.

03193 PROPERTIES OF SCALES AND METHODS TO PREVENT THEM. Yanagase, T.; Suginohara, Y.
Geothermal Well Performance

Refer also to citation(s) 1079, 1281, 2264, 2539, 2552, 2644, 3037, 3068, 3115, 3131, 3135, 3371.


03211 THERMAL INVESTIGATION IN DRILL HOLES. Dakhrov, V.N.; Dyakonov, O.I. USSR: Geophysics; 0.1. USSR; 1: No. 4, 703-23 (1958).


03213 UTILIZATION OF UNDERGROUND WATER ABOVE CRITICAL PRESSURE. Claude, G. Genie Civil: 130: No. 6, 111-2 (15 Mar 1953).


03223 WAIKAREI GEOTHERMAL FIELD: STEAM WELL: PERFORMANCE: HEAT FLOW: RESERVOIR.


From UN Conference on New Sources of Energy; Rome, Italy (1961).


From UN Conference on New Sources of Energy; Rome, Italy (1961).


ENTHALPY; MASS TRANSFER; GEOTHERMAL WELLS; MEASURING METHODS; MEASURING INSTRUMENTS; BETA SOURCES; GEIGER-MÜLLER COUNTERS; MAGNESIUM SULFATES; INJECTION; PRESSURE MEASUREMENT; TWO-PHASE FLOW; GEOTHERMAL FLUIDS; PERFORMANCE; FLOW RATE; FLUID FLOW


GEOTHERMAL WELLS; TWO-PHASE FLOW; CRITICAL FLOW; FLUID MECHANICS; GEOTHERMAL FLUIDS


MATSUWAKA GEOTHERMAL FIELD; GEOTHERMAL WELLS; WELL DRILLING; HYDROTHERMAL SYSTEMS; RESERVOIRS; U-235; BORNEHOLES; NATURAL STEAM; TEMPERATURE MEASUREMENT; TEMPERATURE EXPANSION; ELECTRICAL SURVEYS; BLOWOUTS


HYDROTHERMAL SYSTEMS; QUANTITATIVE; POWER POTENTIAL; GEOTHERMAL FLUIDS; POROSITY; ROCKS; BORNEHOLES; NATURAL STEAM; HOT-WATER SYSTEMS; FLASHING


GEOTHERMAL WELLS; GEOTHERMAL FLUIDS; FLOW RATE; TWO-PHASE FLOW; MATHEMATICAL MODELS; DATA; MEASURING METHODS; HOT-WATER SYSTEMS


JAPAN; GEOTHERMAL WELLS; GROUND WATER; MIXING; GEOLOGIC FAULTS; AQUIFERS; GEOTHERMAL WELLS; PERFORMANCE; LEVELS; VARIATIONS


JAPAN; GEOTHERMAL EXPLORATION; THERMAL WELLS; BORNEHOLES; FLOW RATE; TEMPERATURE MEASUREMENT; GEOTHERMAL WELLS; PERFORMANCE


NEW ZEALAND; WAIRAKEI GEOTHERMAL FIELD; BORNEHOLES; NATURAL STEAM; CHEMICAL COMPOSITION; CHLORIDES; ABUNDANCE; ENTHALPY; MEASURING METHODS; GEOTHERMAL FLUIDS; SAMPLING


GEOTHERMAL WELLS; CERRO PRIETO GEOTHERMAL FIELD; ENTHALPY; SODIUM; POTASSIUM; SILICON OXIDES; GEOTHERMAL FLUIDS; CHEMICAL COMPOSITION; VARIATIONS; PERFORMANCE; PRESSURE MEASUREMENT


GEOTHERMAL WELLS; PUMPS; AQUIFERS; FLOW RATE; FUNCTIONAL MODELS; ANALOG SYSTEMS; HEAT TRANSFER; UHSR; HEAT; ENERGY YIELD; OPTIMIZATION


Steam-water discharge rate 680 tons/hr, 480 Btu/lb at 16 kg/cm² pressure. CERRO PRIETO GEOTHERMAL FIELD; GEOTHERMAL WELLS; HOT-WATER SYSTEMS; NATURAL STEAM; SODIUM; POTASSIUM; ISOTOPE RATIO; VARIATIONS; PERFORMANCE; CHEMICAL COMPOSITION; GEOTHERMAL FLUIDS


RESERVOIR ENGINEERING; GEOTHERMAL RESOURCES; GEOTHERMAL WELLS; ENGINEERING; FORECASTING; GEOTHERMAL WELLS; THERMODYNAMICS; PERFORMANCE


GEOTHERMAL ENERGY; THERMODYNAMICS; GEOTHERMAL WELLS; STEAM; FLOW RATE; HOT SPRINGS; GEYSERS; PERFORMANCE; GEOTHERMAL FLUIDS; MANAGEMENT; EQUATIONS; THERMODYNAMIC PROPERTIES


DRY-STEAM SYSTEMS; GEOTHERMAL WELLS; HYDRODYNAMICS; LARDERELLO GEOTHERMAL FIELD; THERMODYNAMICS; ITALY; FLUID FLOW; NATURAL STEAM; PERFORMANCE


GEOTHERMAL WELLS; BLOWOUTS; WELL DRILLING;
GEOTHERMAL ENERGY

STEAM; PRODUCTION; OPERATION


GEOTHERMAL ENERGY; NATURAL STEAM; HYDROTHERMAL SYSTEMS; STRUCTURAL MODELS; FUNCTIONAL MODELS; BORING; RESERVOIRS; STEAM GENERATORS; PHASE TRANSFORMATIONS


Safety and Control


Artificial Stimulation

03270 CONTROL AND SAFETY OF GEOTHERMAL INSTALLATIONS. Armstead, H.C.H. (Old Palace Terrace, The Green, Richmond, Surrey, England); Shaw, J.R. Geothermics; No. 2, 84-6(1970). GEOTHERMAL POWER PLANTS; CONTROL; SAFETY


03272 (BNW--110) FOREIGN AND DOMESTIC DISCUSSIONS ON NATURAL GEOTHERMAL POWER AND POTENTIAL USE OF PLOWSHARE TO STIMULATE THESE NATURAL SYSTEMS. Burnham, J.B.; Stewart, D.H. (Battelle Pacific Northwest Labs., Richland, Wash. (USA)). 6 Jul 1971. 19p. NTIS $3.00; $0.95 (mf).

03273 (BNW--134) SURVEY OF EXPERT GEOLICAL OPINION ON FEASIBILITY OF PLOWSHARE SIMULATION OF NATURAL GEOTHERMAL SYSTEMS. Stewart, D.H.; Burnham, J.B. (Battelle Pacific Northwest Labs., Richland, Wash.

REFER ALSO TO CITATION 154, 3178, 3179


GEOTHERMAL ENERGY; ELECTRIC POWER; GEOTHERMAL RESOURCES; INSTRUMENTATION; PLOWSHARE PROJECT; UNDERGROUND EXPLOSIONS


PLOWSHARE PROJECT; EXPLOSIVE STIMULATION; GEOTHERMAL RESOURCES; NUCLEAR EXPLOSIONS; UNDERGROUND EXPLOSIONS; LEGISLATION; GEOTHERMAL SYSTEMS; ECONOMICS


From Conference on nuclear power for tomorrow: Atlantic City, New Jersey, USA (22 Aug 1972).

NUCLEAR EXPLOSIONS; NUCLEAR EXPLOSIONS; UNDERGROUND EXPLOSIONS; LEGISLATION; GEOTHERMAL SYSTEMS; ECONOMICS


From Meeting on engineering with nuclear explosives: Las Vegas, Nevada, USA (14 Jan 1970).

PROCEEDINGS OF SYMPOSIUM ON ENGINEERING WITH NUCLEAR EXPLOSIVES, Las Vegas, Nevada, USA, 14-16 Jan 1970.

NUCLEAR EXPLOSIONS; HOT-DRY-ROCK SYSTEMS; EXPLOSIVE STIMULATION; INJECTION WELLS; SUPERHEATED STEAM; POWER GENERATION


HOT-DRY-ROCK SYSTEMS; EXPLOSIVE STIMULATION; NUCLEAR EXPLOSIONS; UNDERGROUND EXPLOSIONS; FRACTURES

03279 (LA-DC--72-1157) NEW METHOD FOR EXTRACTING ENERGY FROM "DRY" GEOTHERMAL RESERVOIRS. Smith, M.C.; Potier, R.M. (Los Alamos Scientific Lab., N.Mex., USA). 20 Sep 1972. 23p. (CONF-720925-7). NTIS $3.00; $0.95 (mf).

From 7th intersociety energy conversion engineering conference: San Diego, California, USA (25 Sep 1972).

HOT-DRY-ROCK SYSTEMS; EXPLOSIVE STIMULATION; NUCLEAR EXPLOSIONS; UNDERGROUND EXPLOSIONS


From 7th intersociety energy conversion engineering conference: San Diego, California, USA (4 Feb 1974).

Jamez Caldera, New Mexico. ENERGY SOURCES; GEOTHERMAL ENERGY; VOLCANIC ROCKS; UNDERGROUND EXPLOSIONS; HYDRAULIC FRACTURING; RHEOLOGY; GEOTHERMAL RESOURCES; HAWAII; HEAT EXCHANGERS; HEATING; BOREHOLES


From 20th international instrumentation symposium: Albuquerque, New Mexico, USA (21 May 1974).

Jamez Caldera, New Mexico. HYDRAULIC FRACTURING; GEOTHERMAL SYSTEMS; NEW MEXICO; GEOTHERMAL EXPLORATION; GEOPHYSICAL SURVEYS; ENERGY SOURCES; VOLCANIC ROCKS; MEASURING INSTRUMENTS; DESIGN; ROCKS; PRESSURE MEASUREMENT


From Conference on research for development of geothermal energy resources: Pasadena, California, USA (23 Sep 1974).

NEW MEXICO; GEOTHERMAL RESOURCES; HOT-DRY-ROCK SYSTEMS; ROCK DRILLING; HYDRAULIC FRACTURING; GRANITES; PERMEABILITY; GEOTHERMAL GRADIENTS; HEAT FLOW; FLUID FLOW


HOT-DRY-ROCK SYSTEMS; NUCLEAR EXPLOSIVES; POWER GENERATION; PLOWSHARE PROJECT; GEOTHERMAL POWER PLANTS; TURBOGENERATORS

03284 (PNE--1550) FEASIBILITY STUDY OF PLOWSHARE GEOTHERMAL POWER PLANTS. (USAEAC, Washington, D.C.; American Oil Shale Corp., Salt Lake City, Utah, USA; Battelle Pacific Northwest Labs., Richland, Wash., USA; California Univ., Livermore, USA). Lawrence Livermore Lab., Apr 1971. 180p. NTIS $3.00; $0.95 (mf).

HOT-DRY-ROCK SYSTEMS; NUCLEAR EXPLOSIVES; POWER GENERATION; PLOWSHARE PROJECT; GEOTHERMAL POWER PLANTS; TURBOGENERATORS

03285 (PNE--1550) FEASIBILITY STUDY OF A PLOWSHARE GEOTHERMAL POWER PLANT. (American Oil Shale Corp., Salt Lake City, Utah, USA; Battelle Pacific Northwest Labs., Richland, Wash., USA; California Univ., Livermore, USA). Lawrence Livermore Lab., Apr 1971. 177p. NTIS $3.00; $0.95 (mf).

HOT-DRY-ROCK SYSTEMS; NUCLEAR EXPLOSIVES; POWER GENERATION; GEOTHERMAL ENERGY; BOREHOLES

03286 (UCRL--72769(Rev.1)) UNDERGROUND ENGINEERING APPLICATIONS, CONCEPTS, AND EXPERIENCE. Nordyke, M.D. (California...


03292 IS IT POSSIBLE TO PREVENT AN EARTHQUAKE-PREDICTION IS NOT ENOUGH. Shebalin, N. Chile Univ., Bol.; No. 73, 43-45(1967).


GEOTHERMAL ENERGY; HOT-DRY-ROCK SYSTEMS; FRACTURES; GEOTHERMAL ENERGY CONVERSION; THERMAL STRESSES; CRACKS; EQUATIONS; FLUID FLOW; HEAT TRANSFER

GEOTHERMAL ENERGY; GEOTHERMAL SYSTEMS; HYDROTHERMAL SYSTEMS; HOT-DRY-ROCK SYSTEMS; HYDRAULIC FRACTURING; EXPLOSIVE STIMULATION; NUCLEAR EXPLOSIONS; ECONOMICS; ELECTRIC POWER; EARTH CRUST; HIGH TEMPERATURE; STEAM; ENVIRONMENT; BOREHOLES; MANAGEMENT; GEOTHERMAL RESOURCES

GEOTHERMAL ENERGY; CHEMICAL EXPLOSIONS; NUCLEAR ENERGY; EFFICIENCY; POWER PLANTS; HIGH TEMPERATURE; BOREHOLES; NUCLEAR EXPLOSIONS; GEOTHERMAL SYSTEMS; HOT-DRY-ROCK SYSTEMS; EXPLOSIVE STIMULATION; GEOTHERMAL RESOURCES

GEOTHERMAL ENERGY; CHEMICAL EXPLOSIONS; GEOTHERMAL SYSTEMS; EXPLOSIVE STIMULATION; GEOCHLOR WELLS; PRODUCTION; ECONOMICS; ENVIRONMENT; BOREHOLES; STRESSES; PERMEABILITY; ROCKS; ECONOMICS; HIGH TEMPERATURE

FRACTURES; ROCKS; HEATING; ENERGY CONSUMPTION; ELECTRIC POWER; ENVIRONMENT; GEOTHERMAL ENERGY; HOT-DRY-ROCK SYSTEMS; HYDRAULIC FRACTURING; THERMAL STRESSES; GEOTHERMAL SYSTEMS; GEOTHERMAL RESOURCES; EARTH CRUST; EFFICIENCY; ECONOMICS; WATER; BOREHOLES

CHEMICAL EXPLOSIONS; NUCLEAR EXPLOSIONS; ENVIRONMENT; PRODUCTION; ROCKS; EXPLOSIVES; GEOTHERMAL ENERGY; HYDROTHERMAL SYSTEMS; EXPLOSIVE STIMULATION; GEOTHERMAL SYSTEMS; NATURAL STEAM; THERMAL WATERS; GEOTHERMAL RESOURCES; ELECTRIC POWER; BOREHOLES


HYDRAULIC FRACTURING; HOT-DRY-ROCK SYSTEMS; RESEARCH PROGRAMS; GEOTHERMAL RESOURCES; EXTRACTION; GEOTHERMAL ENERGY; USES

GEOTHERMAL ENERGY; NUCLEAR EXPLOSIONS; CA VITIES; FRACTURES; DESIGN; FLUIDS; ROCKS; HEAT EXCHANGERS; TEMPERATURE GRADIENTS; HOT-DRY-ROCK SYSTEMS; EXPLOSIVE STIMULATION; GEOTHERMAL RESOURCES

From 1973 Fall Annual Meeting of American Geophysical Union; San Francisco, CA (10-13 Dec 1973).
NEW MEXICO; HOT-DRY-ROCK SYSTEMS; TEMPERATURE MEASUREMENT; GEOTHERMAL RESOURCES; BOREHOLES; HYDRAULIC FRACTURING

ROCKS; GEOTHERMAL SYSTEMS; HYDRAULIC FRACTURING; USA; ENGINEERING; STRESSES; HEAT TRANSFER; RECOVERY; PRODUCTION

PLANNING; NETHERLANDS; GEOTHERMAL ENERGY; ECONOMICS; GEOTHERMAL RESOURCES

GEOTHERMAL ENERGY; SEPARATION PROCESSES; FRACTURES; GEOTHERMAL RESOURCES; HEATING; HEAT TRANSFER; GEOTHERMAL WELLS; HOT-DRY-ROCK SYSTEMS; ENERGY SOURCES; ENERGY CONVERSION

ENERGY UTILIZATION

REFER ALSO TO CITATION (S) 73, 87, 106, 179, 279, 359, 360, 422, 442, 454, 469, 476, 477, 486, 495, 497, 548, 594, 1032, 1138, 1149, 1231, 1341, 1348, 1367, 1632, 2948, 2982, 2996, 3009, 3039, 3051, 3348

03316 (ANC1--1139) FY 1974 PROGRAM PLAN FOR

GEOTHERMAL ENERGY; RESEARCH PROGRAMS; ECONOMIC POLICY; IDAHO; SITE SELECTION; GEOLOGY; ELECTRIC POWER; DESIGN; GEOTHERMAL RESOURCES


From 16th annual water conference; Las Cruces, New Mexico, USA (5 Apr 1973).

NEW MEXICO; WATER; ELECTRIC POWER; SALINITY; BRINES; UNDERGROUND; ECONOMICS; ENVIRONMENT; GROUND WATER; WATER RESOURCES; RIVERS; DESALINATION; GEOTHERMAL ENERGY; NUCLEAR POWER


From Symposium on responses to the dilemma: environmental quality vs. economic development; Lock, Tex, USA (19 Apr 1973).

Geothermal energy, energy transmission, and desalination of underground water in New Mexico. ECONOMICS; GEOTHERMAL ENERGY; NUCLEAR POWER; DESALINATION; ENERGY SOURCES; HUMAN POPULATIONS; FOSSIL FUELS; ENVIRONMENT; BRINES; LEGAL ASPECTS; ELECTRIC POWER; NEW MEXICO


GEOTHERMAL ENERGY; BRINES; EVAPORATION; WASTE HEAT; SEAWATER; DESALINATION; CORROSION; IMPURITIES; MOCKUP; COOLING TOWERS; COST; CALIFORNIA; PLANNING; IMPERIAL VALLEY; GEOTHERMAL FIELDS; THERMAL WATERS; GEOTHERMAL POWER PLANTS; GEOTHERMAL RESOURCES


GEOTHERMAL POWER PLANTS; DESALINATION; BRINES; DISTILLATION; CRYSTALLIZATION; FORECASTING; WATER RESOURCES; ECONOMICS; USES


GEOTHERMAL ENERGY; BRINES; GEOLOGIC DEPOSITS; ECONOMICS; ENERGY SOURCES; GEOTHERMAL WELLS

03322 PRODUCING FRESH WATER FROM BRINE. Murray, W.B. (Long Beach Dept. of Water, CA). Water and Sewage Works: 119: No. 1-2, Parts I-11, vp(Jan-Feb 1972).

BRINES; FRESH WATER; GEOTHERMAL FLUIDS; DESALINATION; NUCLEAR POWER; POWER GENERATION; AIR; SATURATION; Vapor Condensation; GEOTHERMAL ENERGY; NATURAL STEAM

03323 BOISE UNIQUE HOT WATER SYSTEM. Western City: 7: No. 10, 23-4(1931).

170°F thermal water. IDAHO; THERMAL WATERS; GEOTHERMAL WELLS; HEATING; USES; WATER RESOURCES; CHEMICAL ANALYSIS

03324 HEATING WITH HOT WATER WELLS. Van Meter, C. Driller: 14: No. 3, 4-7(1940).

Klamath Falls, OREGON; THERMAL WATERS; GEOTHERMAL RESOURCES; SPACE HEATING; HEAT EXCHANGERS; FLUID FLOW; OPERATION; GEOTHERMAL WELLS; PIPELINES; GEOTHERMAL WELLS


ITALY; HOT SPRINGS; GEOTHERMAL ENERGY; USES; FUMAROLES; RESEARCH PROGRAMS


ICELAND; GEOTHERMAL RESOURCES; EXPLOITATION; SPACE HEATING; HOUSES; GREENHOUSES; HOT SPRINGS; GEYSERS; VOLCANOES; THERMAL SYSTEMS; THERMAL WATERS; GEOTHERMAL ENERGY; HYDROTHERMAL SYSTEMS


ICELAND; SPACE HEATING; BUILDINGS; HOT SPRINGS; GEOTHERMAL WELLS; HOT-WATER SYSTEMS; PIPELINES; GEOTHERMAL ENERGY; DISTRICT HEATING


DESIGN; Pipes; Valves; Pumps; Boilers; Thermodynamic Properties; Heat Exchangers; Expansion; Control; Thermal Waters; Heating; Heat Recovery


GEOTHERMAL ENERGY; USES; BRINES; DESALINATION; SEAWATER; SALTS; SALINITY; DEMINERALIZATION; AVAILABILITY; GEOTHERMAL RESOURCES


From UN Conference on New Sources of Energy; Rome, Italy (1961).

ICELAND; GEOTHERMAL ENERGY; HEATING; BUILDINGS; FLOW RATE; PUMPS; DISTRICT HEATING


From UN Conference on New Sources of Energy; Rome, Italy (1951).

ICELAND; GEOTHERMAL ENERGY; SPACE HEATING; GREENHOUSES; HEATING; GEOTHERMAL FLUIDS; CROPS; AGRICULTURE


USSR; GEOTHERMAL ENERGY; HOUSES; GREENHOUSES; SPACE HEATING; THERMAL WATERS; NATURAL STEAM; GEOTHERMAL RESOURCES; BALNEOLOGY; USES


ICELAND; GEOTHERMAL ENERGY; SPACE HEATING; GREENHOUSES; BUILDINGS; ECONOMICS; GEOTHERMAL WELLS; WELL DRILLING; GEOTHERMAL RESOURCES

03334 UTILIZATION OF GEOTHERMAL ENERGY FOR HEATING PURPOSES AND COMBINED SCHEMES INVOLVING...
POWER GENERATION, HEATING, AND/OR BY-PRODUCTS.


GEOTHERMAL ENERGY;SPACE HEATING;ELECTRICITY;PRODUCTS;RECIPROCITY;GEOTHERMAL RESOURCES


GEOTHERMAL ENERGY POWER USES MEETING POWER GENERATION BY PRODUCTS; RECOVERY; GEOTHERMAL RESOURCES


GEOTHERMAL ENERGY; THERMAL WATERS; SPACE HEATING; THERMAL ENERGY; PETROLEUM; NATURAL GAS

03337 UTILIZATION OF GEOTHERMAL WATERS FOR HEAT SUPPLY. Dyskin, V.K.; Gorlov, V.I. Teploenergetika; No. 2, 74-8(Feb 1966).

GEOTHERMAL ENERGY; SPACE HEATING; THERMAL WATERS; USES; DISTRICT HEATING


GEOTHERMAL ENERGY; NATURAL STEAM; GEOTHERMAL RESOURCES; EXPLOITATION; DESALINATION; POWER POTENTIAL; COLORADO RIVER


GEOTHERMAL ENERGY; SPACE HEATING; THERMAL WATERS; HOT SPRINGS; PIPES; BUILDINGS; IDAHO; HOUSES; HEATING

03340 PILOT GREENHOUSE FOR THE UTILIZATION OF LOW-TEMPERATURE WATERS. Dragoni, G. (Istituto di Fisica Tecnica del Politecnico di Milano, Italy); Rumi, O. Geothermics; No. 2, 918-20(1970).

GEOTHERMAL ENERGY; PILOT PLANTS; GREENHOUSES; SPACE HEATING; SOILS; THERMAL WATERS; GEOTHERMAL ENERGY; HEATING; USES


GEOTHERMAL ENERGY; FROM CONFERENCE ON BENEFICIAL USES OF THERMAL DISCHARGES; ALBANY, NEW YORK, USA (17 Sep 1970). See CONF-700986-

GEOTHERMAL ENERGY; ENERGY SOURCES; GEOTHERMAL RESOURCES; ELECTRIC POWER; GEOTHERMAL ENERGY; ECONOMICS; ICELAND; ENVIRONMENTAL ENGINEERING; BUILDINGS; INDUSTRY; ECOSYSTEMS; HUMAN POPULATIONS


GEOTHERMAL ENERGY; STEAM; USES; INDUSTRIAL PLANTS; PRODUCTION; FILTERS; DRYING; HEATING; OPERATION; DIATOMACEOUS EARTH


GEOTHERMAL ENERGY; HEATING; USES; NEW ZEALAND; GEOTHERMAL RESOURCES; DISTRICT HEATING


GEOTHERMAL ENERGY RESOURCES; DISTRICT HEATING

03345 SOME METHODS OF DEALING WITH LOW-ENTHALPY WATERS IN THE Rotorua AREA OF NEW ZEALAND. Cooke, W.L. (W.L. Cooke Ltd., Kent St., Newmarket, Auckland, New Zealand).

GEOTHERMAL ENERGY; USES; NEW ZEALAND; GEOTHERMAL RESOURCES; DISTRICT HEATING


GEOTHERMAL ENERGY; USES; USSR; GEOTHERMAL RESOURCES; DISTRICT HEATING; GREENHOUSES; GEOTHERMAL RESOURCES; HEATING; INDUSTRY


GEOTHERMAL ENERGY; OIL SANDS; GEOTHERMAL ENERGY; PETROLEUM; VISCOSITY; PRODUCTION; PROCESSING; NUCLEAR EXPLOSIONS; UNDERGROUND EXPLOSIONS; STEAM; SHALE OIL; RECOVERY; UNDERGROUND MINING


DISTRICT HEATING; ICELAND; GEOTHERMAL RESOURCES; USES; GEOTHERMAL ENERGY


FRESH WATER AUGMENTATION OF COLORADO RIVER. IMPERIAL VALLEY; WATER RESOURCES; GEOTHERMAL RESOURCES; DESALINATION; COLORADO RIVER; BRINES; CALIFORNIA; GEOTHERMAL POWER PLANTS; INJECTION WELLS; USES; ELECTRIC POWER; PURIFICATION; PLANNING; ECONOMICS; GEOTHERMAL WELLS

03351 COLORADO RIVER WATER QUALITY IMPROVEMENT PROGRAM. Bureau of Reclamation, Washington, DC (Feb 1972). 88P.

COLORADO RIVER; SALINITY; WATER RESOURCES; QUALITY CONTROL; COLORADO; NEVADA; ARIZONA; GEOTHERMAL RESOURCES; DESALINATION; AGRICULTURE;
ENERGY UTILIZATION


WATER RESERVOIRS; COLORADO RIVER; WATER RESOURCES; IRRIGATION; CALIFORNIA; GEOTHERMAL FLUIDS; BRINES; SEAWATER; DESALINATION; COST; IMPERIAL VALLEY


From International Symposium on Water Resources Planning, Mexico City, Mexico (Dec 1972).

WATER RESOURCES; PLANNING; QUALITY CONTROL; OPTIMIZATION; WATER POLLUTION; USA; COLORADO RIVER; DESALINATION; GEOTHERMAL RESOURCES


Distillation economics. GEOTHERMAL ENERGY; THERMAL WATERS; GEOTHERMAL RESOURCES; WATER RESOURCES; FRESH WATER; PRODUCTION; ENVIRONMENT; POLLUTION; DESALINATION; ECONOMICS; ELECTRIC POWER; ION EXCHANGE; BRINES


GEOTHERMAL ENERGY; ENERGY SOURCES; INDUSTRY; AGRICULTURE; BALNEOLOGY; EXPLORATION; USES


GEOTHERMAL ENERGY; DISTRICT HEATING; GEOTHERMAL EXPLORATION; BUILDINGS; ECONOMICS; ICELAND; GEOTHERMAL RESOURCES


From American Society of Civil Engineers National Water Resources Engineering Meeting; Washington, DC (29 Jan-2 Feb 1973).

WATER RESOURCES; COLORADO RIVER; IMPERIAL VALLEY; GEOTHERMAL RESOURCES; THERMAL WATERS; DESALINATION; BRINES; HOT-WATER SYSTEMS; GEOTHERMAL ENERGY; GEOTHERMAL POWER PLANTS; CALIFORNIA; ELECTRIC POWER; PLANNING; USES; POWER POTENTIAL; BY-PRODUCTS; FRESH WATER


GEOTHERMAL ENERGY; FORECASTING; POWER POTENTIAL


Wendel Hot Springs. GEOTHERMAL ENERGY; SPACE HEATING; GREENHOUSES; AGRICULTURE; OPERATION; HOT SPRINGS; THERMAL WATERS; INORGANIC COMPOUNDS; EXPLOITATION; HEATING; CALIFORNIA


VOLCANOES; GEOTHERMAL ENERGY; USES; HYDROGEN; ECONOMICS


GEOTHERMAL ENERGY; EARTHQUAKES; NICARAGUA; AIR CONDITIONING; GEOTHERMAL RESOURCES; ENERGY CONVERSION; GEOTHERMAL SOURCES; ECONOMICS; COMPARATIVE EVALUATIONS


GEOTHERMAL ENERGY; EARTHQUAKES; NICARAGUA; AIR CONDITIONING; GEOTHERMAL RESOURCES; ENERGY CONVERSION; GEOTHERMAL SOURCES; ECONOMICS; COMPARATIVE EVALUATIONS


INDUSTRIAL PLANTS; GEOTHERMAL POWER PLANTS; ZINC; NICARAGUA; POWER GENERATION; ELECTRIC POWER; USES; GEOTHERMAL ENERGY; METALLURGY; POWER SUPPLIES; CONSTRUCTION; GEOTHERMAL WELLS

03364 PROCESSING OF SALINE GEOTHERMAL FLUIDS FOR MINERAL RECOVERY. Lindal, B. (Consulting Engineer, Reykjavik, Iceland).


MINERALS; RECOVERY; GEOTHERMAL RESOURCES; GEOTHERMAL FLUIDS; BRINES; BOREHOLES; INDUSTRIAL PLANTS; INORGANIC COMPOUNDS; ORGANIC COMPOUNDS; EXTRACTION; USES


GEOTHERMAL ENERGY; REFRIGERATION; DESIGN; HOT SPRINGS; AIR CONDITIONING; EQUIPMENT; USES

03366 NON-ELECTRIC AND ELECTRIC ... A SHORT ESSAY ON WHAT IS BEING DONE AND HOW. (PAPER NO. 7401). Trans. Int. Soc. Geothermal Eng., Utilization; 1: No. 1, 1 to 5-7 (Sep 1974).

GEOTHERMAL ENERGY; USES; ELECTRIC POWER; SPACE HEATING; COOLING


GEOTHERMAL ENERGY; COOLING; USES; REFRIGERATION; HYDROTHERMAL SYSTEMS; BRINES; WASTE HEAT


GEOTHERMAL FLUIDS; OPERATION; USES; INJECTION WELLS; NEW ZEALAND; INJECTION; COOLING; BOREHOLES
Consumption Rates


Economics

Refer also to Citation (s) 262, 3030


GEOTHERMAL ENERGY CONVERSION; ECONOMICS; COMPUTER CODES; G CODES; COST BENEFIT ANALYSIS; ELECTRIC POWER; GEOTHERMAL POWER PLANTS; POWER GENERATION; COST

03371 ECONOMIC CHARACTERISTICS OF GEOTHERMAL BOREHOLES. Landsman, S.U.; Shurchkov, A.V.; Gordienko, L.V. Teploenergetika; No.6, 62-5 (Jun 1969).

GEOTHERMAL WELLS; OPERATION; PERFORMANCE; ECONOMICS; GEOTHERMAL ENERGY; COST

03372 BANANAS GROW IN ICELAND, BUT ONLY IN GREENHOUSES. Grit; No. 50, 26 (23 Nov 1969).

ICELAND; THERMAL WATERS; GEOTHERMAL RESOURCES; GREENHOUSES; SPACE HEATING; USES; AGRICULTURE; ECONOMICS; HOT SPRINGS; CROPS; FOOD; GEOTHERMAL ENERGY; VEGETABLES; FRUITS; PLANTS; HEATING


GEOTHERMAL ENERGY; DESALINATION; GEOTHERMAL RESOURCES; IMPERIAL VALLEY; CALIFORNIA; MEXICO; THERMAL WATERS; ECONOMICS; WATER RESOURCES; FORECASTING


From Power from the Earth: Geothermal Energy (Bibliography), p. 5. USA; ELECTRIC POWER; POWER DEMAND; ECONOMICS; GEOTHERMAL ENERGY; POWER POTENTIAL


From Power from the Earth: Geothermal Energy (Bibliography), p. 6. USA; ELECTRIC POWER; POWER DEMAND; ECONOMICS; GEOTHERMAL ENERGY; POWER POTENTIAL


IGNeous ROCKS; SEDIMENTARY ROCKS; THERMODYNAMIC PROPERTIES; ELECTRIC CONDUCTIVITY; THERMAL CONDUCTIVITY; HEAT; GEOLOGY; TEMPERATURE DEPENDENCE; PRESSURE DEPENDENCE; BOREHOLES


THERMODYNAMIC PROPERTIES; ELECTROLYTES; TEMPERATURE DEPENDENCE; AQUEOUS SOLUTIONS; MEDIUM TEMPERATURE; HIGH TEMPERATURE; MIXTURES


GEOTHERMAL FLUIDS; THERMAL WATERS; CHEMICAL COMPOSITION; MEASURING METHODS; QUALITATIVE CHEMICAL ANALYSIS

03379 (UCRL--7605) HIGH TEMPERATURE THERMAL CONDUCTIVITY OF SIX ROCKS. Stephens, D.R. (California Univ., Livermore (USA). Lawrence Livermore Lab.). 1963. 10p. NEVADA TEST SITE; BASALT; TUFF; LIMESTONE; DOLOMITE; SALTS; THERMAL CONDUCTIVITY; DATA; VERY HIGH TEMPERATURE; HIGH TEMPERATURE; THERMOCOUPLES; TEMPERATURE MEASUREMENT

03380 (UCRL--7605) HIGH TEMPERATURE THERMAL CONDUCTIVITY OF SIX ROCKS. Stephens, D.R. (California Univ., Livermore (USA). Lawrence Livermore Lab.). 1963. 10p. NEVADA TEST SITE; BASALT; TUFF; LIMESTONE; DOLOMITE; SALTS; THERMAL CONDUCTIVITY; DATA; VERY HIGH TEMPERATURE; HIGH TEMPERATURE; THERMOCOUPLES; TEMPERATURE MEASUREMENT

03381 (WASH--1344) RECOMMENDED RESEARCH PROGRAM IN GEOTHERMAL CHEMISTRY. Lyon, R.N.; Kolstad, G.A. (Oak Ridge National Lab., Tenn. (USA); USAREC Division of Physical

RESEARCH PROGRAMS: GEOTHERMAL RESOURCES;
MINERALS; METALS; CHEMICAL REACTIONS; HYDROTHERMAL
SYSTEMS; ROCKS; GEOCHEMISTRY; CHEMICAL REACTION
KINETICS; THERMODYNAMIC PROPERTIES; PHYSICAL
PROPERTIES

03383 HEAT FLOW AND ITS RELATION TO TECTONIC
STRUCTURES OF CONTINENTS. Polyak, B.G.;
Smirnov, Ya.B. Geotektonika; No. 4, 1-31 (July

TECTONICS; EARTH CRUST; HEAT FLOW; GEOPHYSICS

03384 TEXT-BOOK OF GEOLOGY. VOLUMES 1–2.
Kingdom of Great Britain and Northern Ireland;

GEOPHYSICS; VOLCANIC REGIONS; FUMAROLES; GEYSERS;
VOLCANOES; HOT SPRINGS

03385 MEASUREMENT OF TEMPERATURE IN
BOREHOLES. Johnston, J.; Adams, L.H. Econ.

BOREHOLES; EARTH CRUST; GEOLOGIC STRATA;
THERMOMETERS; PERFORMANCE; ACCURACY; TEMPERATURE
MEASUREMENT; ELECTRIC CONDUCTIVITY; ELECTRIC
MEASURING INSTRUMENTS

03386 THERMAL CONDUCTIVITY OF VITREOUS
SILICA, WITH A NOTE ON CRYSALLINE QUARTZ.
(London), Ser. A; 113: 335-56 (1926).
SILICON OXIDES; THERMAL CONDUCTIVITY; QUARTZ;
TEMPERATURE DEPENDENCE; HEAT FLOW

03387 EARTH TEMPERATURES, BURIED HILLS, AND
ANTICLINAL FOLDS, DISCUSSION. Thom, W.T., Jr.

GROUND WATER; FLUID FLOW; HEAT TRANSFER; EARTH
CRUST; GEOTHERMAL GRADIENTS; GEOTHERMAL
HEAT FLOW

03388 GEOLOGIC THERMOMETERS. van Bemmelen,
R.W. Mininigenieur; No. 3, 43-46 (1928).
GEOTHERMOMETERS; ONE; GEOTHERMOMETERS

03389 GEOLOGIC THERMOMETRY. Seifert, H.
201 (1930).

GEOTHERMOMETERS; GEOTHERMOMETERS; ACCURACY;
PHASE TRANSFORMATIONS; MINERALS; SILICON OXIDES;
FLUIDS; INCLUSIONS; EUTECTICS; SEAS; DEPOSITS; SALTS;
BRINES; MEASURING METHODS

03390 HEAT FLOW THROUGH GRANULATED MATERIAL.
GEOTHERMAL STRATA; HEAT FLOW; THERMAL
CONDUCTIVITY; LAYERS

03391 RELATIONSHIP OF CHLORIDE CONCENTRATION
IN UNDERGROUND WATERS TO SUBSURFACE TEMPERATURE
GRADIENTS. Plummer, F.B.; Sargent, E.C.
GROUND WATER; SALINITY; EARTH CRUST; GEOTHERMAL
GRADIENTS; CONNATE WATER; GEOTHERMAL
MEASUREMENT; CHLORIDES

03392 SIGNIFICANCE OF UNDERGROUND
TEMPERATURES. Strong, M.W. Petrol. Times;
30: No. 758, 130 (1933).

EARTH CRUST; GEOLOGY; GEOTHERMAL STRATA; ROCKS;
THERMAL CONDUCTIVITY; TECTONICS; GEOTHERMAL
GRADIENTS

03393 THERMAL CONDUCTIVITIES OF ROCKS.
Nancarrow, H.A. Proc. Phys. Soc. (London); 45:
447-61 (1 May 1933).
ROCKS; THERMAL CONDUCTIVITY; BESSEL FUNCTIONS;
TEMPERATURE GRADIENTS; TEMPERATURE DISTRIBUTION

03394 PREPARATION OF SPECIMENS FOR THE
MEASUREMENT OF THERMAL CONDUCTIVITY. Adams,

ROCKS; THERMAL CONDUCTIVITY; MEASURING METHODS;
COATINGS; THERMOCOUPLES; SAMPLE PREPARATION

03395 THEORY OF HEAT CONDUCTION APPLIED TO
GEOPHYSIC PROBLEMS. Lovering, T.S. Geol.
ROCKS; THERMAL DIFFUSIVITY; GEOTHERMAL FAULTS;
DIAGRAMS; THERMAL CONDUCTIVITY

03396 THERMAL CONDUCTIVITY OF QUARTZ AT LOW
TEMPERATURES. De Haas, W.J.: Bierma, L.
K. Onnes. Lab., Leiden, Comm. No. 256C, Phys. 2:
673-82 (1936).
QUARTZ; THERMAL CONDUCTIVITY; LOW TEMPERATURE;
TEMPERATURE DEPENDENCE

03397 PHYSICAL SCIENCE OF HEAT, PART 1.
THERMODYNAMICS; EQUATIONS OF STATE; SPECIFIC
HEAT; PHASE TRANSFORMATIONS; BIBLIOGRAPHIES;
HEAT; ENTROPY

03398 HEAT CONDUCTIVITY OF SIMPLE CUBICAL
CRYSTALS. Blackman, M. Phil. Mag.; 19: 989–
991 (1933).
ALKALI HALIDES; HALIDES; ALKALI METAL
COMPOUNDS; THERMAL CONDUCTIVITY; CRYSTALS

03399 ROCK TEMPERATURES AND DEPTHS TO NORMAL
BOILING POINT OF WATER IN THE UNITED STATES.
USA; EARTH CRUST; GEOTHERMAL STRATA; ROCKS;
TEMPERATURE GRADIENTS; MEDIUM TEMPERATURE;
GEOTHERMAL GRADIENTS

03400 CRITICAL TEMPERATURE OF WATER AND THE
AQUEOUS SOLUTION OF SODIUM SILICATES.
Chiterow, N.I.; Ivanov, L.A. Zentralb.
SODIUM SILICATES; CRITICAL TEMPERATURE;
AQUEOUS SOLUTIONS; WATER; PHASE STUDIES

03401 IDEAL LIQUID INCLUSIONS. Yuster, S.T.
MINERALS; GEOTHERMOMETERS; GEOTHERMOMETRY;
LIQUIDS; GASES; INCLUSIONS; EQUATIONS; MATHEMATICS

03402 VOLCANOES, GEYSERS, AND HOT SPRINGS.
VOLCANOES; GEYSERS; HOT SPRINGS; FUMAROLES;
MAGMA; CHEMICAL COMPOSITION; PHYSICAL PROPERTIES;
GEOTHERMAL ENERGY; GEOLOGY

03403 HYDROGEOLOGY. INTRODUCTION TO THE
STUDY OF WATERS OF HUMAN CONSUMPTION AND
INDUSTRY. Fourmarier, P. Paris; France;
HYDROLOGY; GEOLOGY; GROUND WATER; SURFACE
WATERS; THERMAL WATERS; MINERALS

03404 THERMAL PROPERTIES OF SATURATED WATER
AND STEAM. Osborne, N.S.; Stimson, H.P.
70 (1939).
WATER; STEAM; SATURATION; THERMODYNAMIC
PROPERTIES; SPECIFIC HEAT; VAPORIZATION HEAT;
MEDIUM TEMPERATURE; TABLES

03405 TEMPERATURE GRADIENTS AND ROCK
CONDUCTIVITY. Koenigsberger, J.C. Min. Met.
(New York); 20: No. 386, 208 (1939).
ROCKS; GEOPHYSICAL SURVEYS; THERMAL
CONDUCTIVITY; TEMPERATURE GRADIENTS; ERRORS;
DATA

03406 PROPERTIES OF SATURATED AQUEOUS
SOLUTIONS OF POTASSIUM CHLORIDE AT TEMPERATURES
ABOVE 250°. Benedict, M. J. Geol.; 47: 252–
276 (1939).
STEAM; POTASSIUM CHLORIDES; HIGH
TEMPERATURE; SATURATION; AQUEOUS SOLUTIONS;
THERMODYNAMIC PROPERTIES; PHASE STUDIES;
EQUILIBRIUM
GEOTHERMAL ENERGY


03409 PRACTICAL GEOPHYSICS FOR STUDY, RESEARCH, AND PRACTICE. Meisser, O. Dresden, Germany; German Democratic Republic; Theodore Steinkopff (1943). 366p.


03412 PYRITE GEO-THERMOMETER. Smith, F.D. Econ. Geol.; 42: No. 6, 515-23 (1947).


03425 GEOTHERMOMETER OF SOME PEGMATITE MINERALS OF HYBLA, ONTARIO. Peach, P.A. J. Geol.; 59: No. 1, 32-36 (1951).


MEDIUM TEMPERATURE; HIGH TEMPERATURE; ULTRAHIGH TEMPERATURE


EARTH CRUST; ROCKS; RADIOACTIVITY; THERMAL CONDUCTIVITY; SPATIAL DISTRIBUTION; IGNEOUS ROCKS; MAGMA; SEDIMENTS; TEMPERATURE MEASUREMENT


EARTH CRUST; TEMPERATURE GRADIENTS; HEAT FLOW; ROCKS; BOREHOLES; GEOPHYSICAL SURVEYS; GEOMAGNETIC FIELD; MOTION; SEAS; GRAVITY SURVEYS; MAGNETIC PROPERTIES; GEOPHYSICS; MEASURING METHODS


HYDROTHERMAL SYSTEMS; HYDROTHERMAL ALTERATION; HALIDES; MEDIUM TEMPERATURE; PH VALUE; CARBONATES; KAGLINS; OLGOLM; MONTMORILLONITE; ALAVA; AQUEOUS SOLUTIONS; IGNEOUS ROCKS; ZONES; UTAH; CHEMICAL REACTIONS


HYDROTHERMAL SYSTEMS; MORIFENITE; DEPOSITION; CRYSTALLIZATION; MEDIUM TEMPERATURE; TEMPERATURE DEPENDENCE; PH VALUE; THERMAL WATERS; MODIFENITE; SYNTHESIS


GERMAN FEDERAL REPUBLIC; GEOLGIC DEPOSITS; ARAGONITE; GEOTHERMOMETRY


Calculation of volcanic steam pressures at depth. VOLCANIC ROCKS; NATURAL STEAM; PRESSURE GRADIENTS; UNDERGROUND; ENTHALPY; HEAT TRANSFER; GEOTHERMAL ENERGY; NUMERICAL SOLUTION


SODIUM CHLORIDES; SOLUBILITY; WATER; STEAM; SOLVENT PROPERTIES; HIGH TEMPERATURE; VERY HIGH PRESSURE; HOT SPRINGS


ROCKS; ELECTRIC CONDUCTIVITY; PRESSURE DEPENDENCE; DATA


LIMESTONE; SANDSTONES; STRAINS; FRACTURE PROPERTIES; COMPRESSION STRENGTH; TEMPERATURE DEPENDENCE


BASALT; THERMAL SHOCK; THERMAL STRESSES; FRACTURE PROPERTIES; STRAINS; VOLCANIC ROCKS


SANDSTONES; THERMAL EXPANSION; REACTION HEAT; SHALES; LIMESTONE; SPECIFIC HEAT; QUARTZ; DEFORMATION; POROSITY


GEOTHERMAL GRADIENTS; SEDIMENTARY ROCKS; ROCKS; GEOLOGY; GEOLGIC FAULTS; LITHOSTRATIGRAPHY; HYDROLOGY; EARTH CRUST; GEOTHERMAL FIELDS; SURFACES


BASALT; SOLUBILITY; SILICON OXIDES; SODIUM OXIDES; CARBON DIOXIDE; CALCIUM OXIDE; HYDROTHERMAL ALTERATION; THERMAL WATER; VOLCANIC ROCKS; WATER; THERMAL WATERS; SOLVENT PROPERTIES


EARTH CRUST; HEAT FLOW; DECAY; AUSTRIA; RADIOACTIVITY; HEAT


SAND; THERMAL CONDUCTIVITY; POROSITY; PARTICLES; GLASS; LEAD; FLUIDS; SATURATION


(European with English abstract).

EARTH CRUST; CRYSTALS; TEMPERATURE DISTRIBUTION; POISSON RATIO; GEOTHERMAL GRADIENTS; SHEAR PROPERTIES; DEPTH; MAGMA


ROCKS; POROSITY; THERMAL CONDUCTIVITY; TEMPERATURE DEPENDENCE; NUMERICAL SOLUTION; MATHEMATICAL MODELS; DATA; SANDSTONES


EARTH PLANET; GEOPHYSICS; COSMIC RADIATION; EARTH CRUST; GEOTHERMAL GRADIENTS; GRAVITATION; NUMERICAL SOLUTION; TEMPERATURE GRADIENTS


GEOTHERMOMETERS; RELIABILITY; PERFORMANCE;
SODIUM CHLORIDES; THERMODYNAMIC PROPERTIES; AQUEOUS SOLUTIONS; MEDIUM TEMPERATURE; WATER; SOLUBILITY; THERMODYNAMIC PROPERTIES; DENSITY; SURFACE TENSION; VAPOR PRESSURE; SPECIFIC HEAT; VAPORIZATION HEAT; VISCOSITY; THERMAL CONDUCTIVITY; SALINITY; HEAT TRANSFER; DISSOLUTION; THERMAL DIFFUSION; MASS TRANSFER; SEAWATER


GEOTHERMOMETRY; BIOTITE; SCANDIUM; COBALT; NICKEL; CHROMIUM; NI OBium; GRANITES; IGNEOUS ROCKS; BRAZIL; CRYSTALLIZATION; GRANDODIORITES; ABUNDANCE


INDIA; COPPER ORES; PYRITES; ROCKS; HYDROTHERMAL ALTERATION; MINERALIZATION; IRON SULFIDES; GEOTHERMOMETRY


MOSCOW: Izdatel'stvo "Nauka" (1964).

UTAH; DOLOMITE; HYDROTHERMAL ALTERATION; MAGNESIUM CARBONATES; OXYGEN ISOTOPE; CARBON ISOTOPE; ISOTOPE RATIO; LIMESTONE; MINERALIZATION; MAGNESIUM CHLORIDES; SYNTHESIS


QUARTZ; SOLUBILITY; SILICON OXIDES; TEMPERATURE DEPENDENCE; PRESSURE DEPENDENCE; MINERAL; TEMPERATURE; HIGH PRESSURE; CRYSTALLIZATION; DISSOLUTION; SILICON HYDROXIDES; WATER; SOLVENT PROPERTIES


QUARTZ; CALCITE; IRON OXIDES; MINERALS; OXYGEN ISOTOPE; RATIO; GEOTHERMOMETRY; ROCKS


EARTH MANTLE; TEMPERATURE GRADIENTS; ADIABATIC PROCESSES


100 TO 6000OC ROCKS; MINERALS; THERMAL CONDUCTIVITY; GEOLOGIC FAULTS; TEMPERATURE DISTRIBUTION; BASALT; HORNBLende; LIMESTONE; TEMPERATURE GRADIENTS; TEMPERATURE DEPENDENCE


THERMAL WATERS; QUARTZ; CALCITE; SOLUBILITY; THERMODYNAMIC PROPERTIES; TEMPERATURE DEPENDENCE; PRESSURE DEPENDENCE; MEDIUM TEMPERATURE; DEPOSITION


EARTH MANTLE; CONVECTION; HEAT TRANSFER; THERMAL CONDUCTION; RADIOACTIVITY; DECAY


HEAT FLOW; DATA COMPILATION; GEOPHYSICS


GEOTHERMAL RESOURCES; WATER RESOURCES; GROUND WATER; QUANTITY; DENSITY; EARTH ATMOSPHERE; OZONE; ATMOSPHERIC PRECIPITATIONS; GEOPHYSICS


CHEMICAL COMPOSITION; ORES; MINERALS; GEOLOGIC DEPOSITS; HYDROTHERMAL ALTERATION; CHEMICAL REACTIONS; TEMPERATURE DEPENDENCE; PRESSURE DEPENDENCE; ISOTOPE RATIO; HOT SPRINGS; STABILITY; SULFIDES; CARBONATES; SILICATES; PHASE STUDIES; AQUEOUS SOLUTIONS; GEOCHEMISTRY; HYDROTHERMAL SYSTEMS


GEOTHERMAL FIELDS; HEAT FLOW; HYDROLOGY; ITALY; TWO-PHASE FLOW; HEAT TRANSFER; MASS TRANSFER


USSR; ROCKS; THERMAL CONDUCTIVITY; SPECIFIC HEAT; THERMODYNAMIC PROPERTIES


APHIBOLES; THERMODYNAMIC PROPERTIES; OPTICAL PYROMETERS; WATER; PH VALUE; ZEOlITES


APHIBOLES; THERMODYNAMIC PROPERTIES; OPTICAL PYROMETERS; WATER; PH VALUE; ZEOlITES


SILICON OXIDES; PHASE STUDIES; WATER; CHEMICAL REACTION KINETICS; CRYSTALLIZATION; AMORPHOUS STATE; SOLUBILITY; EQUILIBRIUM; THERMODYNAMIC PROPERTIES


CHONDRITES; EARTH CRUST; HEAT FLOW; THERMAL CONDUCTIVITY; ROCKS; CHEMICAL COMPOSITION; TEMPERATURE DISTRIBUTION; DIAGRAMS; HEAT TRANSFER; TEMPERATURE GRADIENTS; SPATIAL DISTRIBUTION; MATHEMATICAL MODELS; RADIOACTIVITY; MELTING


EARTH CRUST; HEAT FLOW

03554 HEAT TRANSFER THROUGH THE OCEAN FLOOR. Lubimov, S.A.; pp 78-86 of Terrestrial heat flow: American Geophysical Union, Geophysical
GEOTHERMAL ENERGY


MAGNETIC PROPERTIES; ROCKS; THERMAL STRESSES; THERMAL SHOCK; PHYSICAL PROPERTIES; FRACTURE PROPERTIES; TESTING; HEAT TRANSFER; SPATIAL DISTRIBUTION; MATHEMATICAL MODELS; YOUNG MODULUS; TENSILE PROPERTIES; THERMAL DIFFUSIVITY; THERMAL CONDUCTIVITY; DIAGRAMS


HOT SPRINGS; SULFURIC ACID; BACTERIA; SOILS; STEAMBOAT SPRINGS


03590 ENERGY APPRAISAL OF VOLCANIC AND HYDROTHERMAL PHENOMENA (ON THE EXAMPLE OF KAMCHATKA). Polya, B.G. Bull. Volcanol.; 30: 129-36 (1967). USSR; VOLCANOES; GEOTHERMAL ENERGY; HEAT TRANSFER; ENERGY LOSSES; HYDROTHERMAL SYSTEMS; ENERGY YIELD; VOLCANIC REGIONS; CONVECTION; THERMAL CONDUCTION


For Geophysical Abstracts 276-277.

CYLINDRICAL BICALOMETER. SEDIMENTARY ROCKS; THERMAL CONDUCTIVITY; MEASURING INSTRUMENTS; BOREHOLES; QUARTZ; TEMPERATURE DEPENDENCE; DENSITY


GEOTHERMAL FLUIDS; NATURAL STEAM; FLOW RATE; SOILS; PERMEABILITY; TWO-PHASE FLOW; THERMALWATERS; MATHEMATICAL MODELS; ROCKS; SIMULATION; BOILING; HYDROTHERMAL SYSTEMS


Andesite. GEOTHERMAL FLUIDS; CHEMICAL REACTIONS; SODIUM CHLORIDES; SHALES; ROCKS; METALS; SOLUBILITY; AQUEOUS SOLUTIONS; HYDROTHERMAL SYSTEMS; V O L C A N I C ROCKS; TRACER AMOUNTS


THERMAL CONDUCTIVITY; SANDSTONES; POROSITY


THERMOMETERS; DESIGN; CZECHOSLOVAKIA; ERRORS; TEMPERATURE MEASUREMENT


SANDSTONES; SEDIMENTS; THERMAL CONDUCTIVITY; ELECTRIC CONDUCTIVITY; POROSITY; CORRELATIONS


645 references. HEAT TRANSFER; CONVECTION; N A T U R A L CONVECTION; PHASE TRANSFORMATIONS; MASS TRANSFER; LIQUID METALS; MEASURING METHODS; REVIEWS

03622 CONVECTIVE FLOW AND ITS EFFECT ON TEMPERATURE LOGGING IN SMALL-DIAMETER WELLS. Sammel, E.A. Geophysics; 33: No. 6, 1004-12(1968).

TEMPERATURE GRADIENTS; CONVECTION; WATER; SALINITY; GLYCEROL; BOREHOLES


Moscow: Izdatel’stvo 'Nauka' (1968). (English summary)

PETROLOGY; EARTH CRUST; HEAT FLOW; TECTONICS


EARTH CRUST; ENERGY TRANSFER; VOLCANOES; VOLCANIC REGIONS; HYDROTHERMAL SYSTEMS; USGS; MAGMA; HEAT FLOW; HEAT TRANSFER


METAMORPHIC ROCKS; ORIGIN; TEMPERATURE DEPENDENCE; VERY HIGH TEMPERATURE; MAGMA; EARTH CRUST; GEOLOGIC FAULTS; TECTONICS; MINERALOGY


ROCKS; THERMAL CONDUCTIVITY; ACCURACY; MEASURING METHODS; MEASURING INSTRUMENTS


FELDSPARS; GEOTHERMOMETER; GEOTHERMOMETERS


SILICON OXIDES; ORIGIN; OXYGEN 18: ISOTOPIC RATIO; QUARTZ; OXYGEN ISOTOPES; DRES; METAMORPHIC ROCKS; COMPARATIVE EVALUATIONS; GEOLOGIC DEPOSITS


ROCKS; THERMAL CONDUCTIVITY; MEASURING METHODS

03630 HEAT CONDUCTIVITY OF ROCKS AT HIGH TEMPERATURES. Mogilevko, U.P. Freiberger Forschungsh., C; 238: 89-94(1968).

ROCKS; THERMAL CONDUCTIVITY; MEDIUM TEMPERATURE; HIGH TEMPERATURE; VERY HIGH TEMPERATURE; GRANITES; BASALT; VOLCANIC ROCKS; IGNEOUS ROCKS


HEAT FLOW; MATRICES; THERMAL CONDUCTIVITY; DIFFERENTIAL EQUATIONS


254p.

ROCKS; ELECTRICAL PROPERTIES; GEOPHYSICS; EXPLORATION; POLARIZABILITY


GEOCHEMISTRY; PROSPECTING; AGE ESTIMATION; STABLE ISOTOPES; EARTH ATMOSPHERE; HYDROSHERE; SEAS; REVIEWS; EARTH CRUST; GEOCHEMICAL SURVEYS


Moscow: Izdatel’stvo 'Nauka' (1968). (English summary)

MINERALS; THERMODYNAMIC PROPERTIES; ENTROPY;
FORMULATION OF HEAT; ELEMENTS; FREE ENERGY; SPECIFIC HEAT; MELTING POINTS; BOILING POINTS; MEDIUM TEMPERATURE; HIGH TEMPERATURE; PHASE TRANSFORMATIONS; MEDIUM PRESSURE

AQUEOUS SOLUTIONS; IGENIOUS ROCKS; METAMORPHIC ROCKS; SEDIMENTARY ROCKS; IRREVERSIBLE PROCESSES; GEOCHEMISTRY; MINERALS; MASS TRANSFER; ELECTROCHEMICAL REACTIONS; EQUILIBRIUM; THERMODYNAMICS; PHASE STUDIES

416 references. HEAT TRANSFER; BIBLIOGRAPHIES; THERMODYNAMICS; THERMAL CONDUCTION; CONVECTION; RADIANT HEAT TRANSFER; PHASE TRANSFORMATIONS; CHEMICAL REACTIONS; COMBUSTION; MASS TRANSFER; AERODYNAMICS; HYDRODYNAMICS; DRYING; THERMODYNAMIC PROPERTIES; TEMPERATURE MEASUREMENT; MEASURING INSTRUMENTS; HIGH TEMPERATURE; PLASMA

595 references. HEAT TRANSFER; BIBLIOGRAPHIES; BOUNDARY LAYERS; PHASE TRANSFORMATIONS; THERMAL CONDUCTION; MASS TRANSFER; PHASE TRANSFORMATIONS; THERMAL CONDUCTION; CONVECTION; RADIANT HEAT TRANSFER; PHYSICAL PROPERTIES

ROCKS; THERMAL CONDUCTIVITY; SPECIFIC HEAT; TEMPERATURE DEPENDENCE; HIGH TEMPERATURE; MEDIUM TEMPERATURE

METAMORPHIC ROCKS; MERCURY; SCHISTS; QUARTZ; IRON OXIDES; HEMATITE; GEOTHERMOMETERS; IGNEOUS ROCKS; CHEMICAL COMPOSITION; ABUNDANCE

FELDSPARS; GEOTHERMOMETERS; SODIUM SILICATES; ALUMINUM SILICATES; CHEMICAL COMPOSITION; ROCKS; CALCIUM SILICATES; GEOTHERMOMETRY

AQUEOUS SOLUTIONS; PH VALUE; HIGH TEMPERATURE; THERMAL WATERS

QUARTZ; RECRYSTALLIZATION; AQUEOUS SOLUTIONS; SULFIDES; FLUORIDES; ALKALI METALS; SOLVENT PROPERTIES

AQUEOUS SOLUTIONS; MINERALIZATION; GEOCHEMISTRY; THERMAL WATERS

ALUMINUM SILICATES; ZEOLITES; MICA; AMMONIUM HYDROXIDES; HYDROTHERMAL SYSTEMS; SYNTHESIS; CHEMICAL REACTIONS; DOLomite; KAOLIN; FELDSPARS; QUARTZ; MONTMORILLONITE

EARTH CRUST; HEAT FLOW; ROCKS; THERMAL CONDUCTIVITY; MEASURING METHODS

GEOTHERMAL FIELDS; HEAT FLOW; GEOLOGIC STRATA; VARIATIONS; NATURAL CONVECTION; HEAT TRANSFER; MASS TRANSFER; EARTH MANTLE

SODIUM CHLORIDES; POTASSIUM CHLORIDES; THERMODYNAMIC PROPERTIES; TEMPERATURE DEPENDENCE; PRESSURE DEPENDENCE; DENSITY

EARTH CRUST; HEAT FLOW; TECTONICS; GEOTHERMAL FIELDS; TEMPERATURE DISTRIBUTION; HEAT TRANSFER; GEOLGY; GEOPHYSICS

UGSSR; EARTH CRUST; MOON; HEAT FLOW; MEASURING METHODS; TECTONICS

EARTH CRUST; GEOLOGIC DEPOSITS; BOREHOLES; REVIEWS

BOREHOLES; STRESSES; STRAINS; STRAIN GAGES; MEASURING METHODS

03653 Alkali ratios of coexisting minerals in glaucophane-bearing metamorphic rocks.
TEMPERATURE GRADIENTS


HEAT TRANSFER; HYDROTHERMAL SYSTEMS; MATHEMATICAL MODELS; MASS TRANSFER; GEOTHERMAL FIELDS; DIFFERENTIAL EQUATIONS; TEMPERATURE GRADIENTS


HEAT TRANSFER; GEOTHERMAL SYMPOSIUM; ENDOCLAVE; NEW DEVICE; HEAT AND MASS TRANSFER; SIMULATION


EARTHQUAKES; STRAINS; GEYSERS; CORRELATIONS; HOT SPRINGS; SEISMIC EFFECTS; EARTH CRUST


GEOTHERMAL RESOURCES; RESERVES; OILS; VOLCANOES; GASES; EXPLORATION; ROCK DRILLING; GEOTHERMAL GRADIENTS; EARTH CRUST; GEOLOGIC DEPOSITS; GEOPHYSICAL SURVEYS


THERMAL CONDUCTIVITY; ROCKS; TEMPERATURE DEPENDENCE; MOISTURE; GLASS


THERMAL CONDUCTIVITY; POROSITY; ELECTRIC CONDUCTIVITY; CORRELATIONS; DIFFUSION; ROCKS; EQUATIONS


GEYSERS; HOT SPRINGS; FUMAROLDS; THERMAL WATERS; GEOPHYSICS


0 to 350°C; WATER; THERMODYNAMIC PROPERTIES; TEMPERATURE DEPENDENCE; FREE ENERGY


ROCKS; THERMAL CONDUCTIVITY; HEAT FLOW; ANISOTROPY


Global tectonic hypothesis; GEOPHYSICS; EARTH CRUST; GEOTHERMAL GRADIENTS; HEAT FLOW; SEISMIC WAVES; VELOCITY; DENSITY; VOLCANOES; EARTHQUAKES; TECTONICS; EQUATIONS


SILICATES; THERMAL CONDUCTIVITY; DEBYE TEMPERATURE; EARTH MANTLE; MINERALS


QUARTZ; ALUMINUM; ORE COMPOSITION; ABUNDANCE; TEMPERATURE DEPENDENCE; GEOTHERMOMETRY


SEDIMENTARY ROCKS; THERMAL CONDUCTIVITY; HEAT FLOW; MICA; FELDSPARS; PYRITES; SILICON OXIDES; ABUNDANCE; DENSITY; TEMPERATURE DEPENDENCE; POROSITY


USSR; BOREHOLES; ROCKS; SPECIFIC HEAT; THERMAL CONDUCTIVITY


GEOTHERMOMETERS; FELDSPARS; GEOTHERMOMETRY; GLASS; ROCKS; BIOTITE; THERMAL EQUILIBRIUM; USES


CLAYS; GEOCHEMISTRY; SEAWATER; CHEMICAL REACTIONS


GRANITES; HYDROTHERMAL ALTERATION; VOLCANIC REGIONS; GEOLOGIC DEPOSITS; PH. VALUE; SULFATES; ROCKS; GOLD; SILVER; MERCURY; ANTIMONY; URANIUM; ARSENIC; KAOLIN; MONTMORILLONITE; ZONES; MICA; VITRIFICATION; IGNEOUS ROCKS; SYNTHESIS


VOLCANIC ROCKS; HYDROTHERMAL ALTERATION;
ILLITE; MICA; SYNTHESIS; METAMORPHIC ROCKS


THERMAL WATERS; HOT SPRINGS; SODIUM CHLORIDES; IRON; ZINC; ABUNDANCE; GRANITIC ROCKS; OXIDES; GEOLOGIC DEPOT; THERMO-DYNAMICS; CHEMICAL COMPOSITION; QUANTITY RATIO


CHEMICAL COMPOSITION; THERMAL WATERS; HYDROTHERMAL SYSTEMS


VOLCANIC ROCKS; HYDROTHERMAL ALTERATION; CHEMICAL COMPOSITION; THERMAL WATERS


THERMAL WATERS; CHEMICAL COMPOSITION; SULFUR; CHEMICAL REACTIONS


QUARTZ; RECRYSTALLIZATION; FLUORINE; THERMAL WATERS


ROCKS; ELECTRICAL PROPERTIES; ELECTRIC CONDUCTIVITY


SILICATES; THERMAL ALTERATION; KAOLIN; MONTMORILLONITE; HYDROCHLORIC ACID; CLAYS; SODIUM COMPOUNDS; HYDROGEN COMPOUNDS; QUANTITY RATIO; SYNTHESIS


(AQUEOUS SOLUTIONS; HALIDES; NITRATES; SULFATES; HALS; DENSITY; CHEMICAL COMPOSITION


(AQUEOUS SOLUTIONS; HALIDES; NITRATES; SULFATES; IODINE; CHLORINE; QUANTITY RATIO


FUMAROLIC FLUIDS; HALIDES; ABUNDANCE; CHEMICAL COMPOSITION; QUANTITY RATIO; THERMODYNAMIC; HYDROCHLORIC ACID; HYDROBROMIC ACID; HYDRIC ACID; VARIATIONS


SOLUTION HEAT; MEASURING INSTRUMENTS; CALORIMETERS; SODIUM CHLORIDES; POTASSIUM CHLORIDES; SODIUM IODIDES; POTASSIUM IODIDES; AQUEOUS SOLUTIONS; TEMPERATURE DEPENDENCE


(AQUEOUS SOLUTIONS; HALIDES; ABUNDANCE; CHEMICAL COMPOSITION; THERMAL WATERS; SILICON OXIDES; PH VALUE; QUARTZ; SOLUBILITY; SOLVENT PROPERTIES; GROUND WATER; SALINITY; INCLUSIONS; MINERALS


KCl, NaCl, KI, CsI, RbCl, AgNO3, NaNO3 SOLUTION HEAT; TEMPERATURE DEPENDENCE; METHANOL; WATER; POTASSIUM CHLORIDES; SODIUM CHLORIDES; POTASSIUM IODIDES; CESIUM IODIDES; RUBIDIUM CHLORIDES; SILVER NITRATES; SODIUM NITRATES; SOLVENT PROPERTIES


(CHIMISTRY OF SOME HYDROTHERMAL SYSTEMS; ELLIS, A.J. GEOCHEMISTRY; AQUEOUS SOLUTIONS; BARITUM; CESIUM; ABUNDANCE; SILICATES; HALOGENS; CHEMICAL ANALYSIS; THERMAL WATERS; TEMPERATURE DEPENDENCE; PRESSURE DEPENDENCE; CHEMICAL COMPOSITION


ROCKS; MINERALS; ELECTRIC CONDUCTIVITY; GEOLOGY; GEOPHYSICS; MAPS; METAMORPHIC ROCKS; ORIGIN; EARTH CRUST


ROCKS; THERMAL CONDUCTIVITY; THERMAL EXPANSION; ELECTRICAL PROPERTIES; MEASURING METHODS

03727 ACTUAL PROOF OF COMPLEX RESISTIVITY METHOD BY AN INDOOR EXPERIMENT WITH A WATER TANK. Nakahara, T. Buturi Tanko; 23: No. 1, 31-6 (1970).

ELECTRICAL SURVEYS; SIMULATION; ELECTRIC RESISTIVITY; ELECTRICAL SURVEYS; MEASURING METHODS; DATA; COMPARATIVE EVALUATIONS


GEOTHERMETERS; IGNEOUS ROCKS; CALIBRATION; FELDSPARS; GEOTHERMOMETRY


SILICATES; THERMAL CONDUCTIVITY; DEBYE TEMPERATURE; CORRELATIONS
03320 HEAT FLOW IN RANDOM MEDIUM - FIRST ORDER THEOREM. Naidu, A.S. Pure Appl. Geophys.: 79: 73-94 (1970). THERMAL CONDUCTIVITY;TEMPERATURE GRADIENTS;HEAT FLOW;GEOPHYSICS


03372 LAUMONITE EQUILIBRIA AND THE ZEOLITE FACIES. Thompson, A.B. Amer. J. Sci.: 269: No. 3, 267-74 (1970). WATER;CALCIUM SILICATES;ALUMINUM SILICATES;ZEOLITES;EQUILIBRIUM-STABILITY;CHEMICAL REACTIONS;CHEMICAL REACTION KINETICS

03373 HYDROTHERMAL EXCHANGE AND FRACTIONATION OF SULFUR ISOTOPES IN SYNTHESIZED 2NS AND PBS. Schiller, W.R.; Gehlen, K.W.; Nellesen, H. Econ. Geol.: 65: No. 5, 551-6 (1970). SULFUR ISOTOPES;ISOTOPE RATIO;AQUEOUS SOLUTIONS;HYDROTHERMAL ALTERATION;LEAD SULFIDES;ZINC SULFIDES;SODIUM SULFIDES;HYDROGEN SULFIDES;ISOTOPE SEPARATION;SULFUR 34;SYNTHESIS;PRECIPITATION;ISOTOPE RATIO;ABUNDANCE

03374 SOLUBILITY OF GOLD IN HYDROTHERMAL ALKALINE SULFIDE SOLUTIONS. Weissberg, B.C. Econ. Geol.: 65: No. 3, 363-70 (1970). GOLD;SOLUBILITY;SODIUM SULFIDES;BROADLANDS GEOTHERMAL FIELD;WAIOTAPU GEOTHERMAL FIELD;GEOTHERMAL FLUIDS;AQUEOUS SOLUTIONS;SOLVENT PROPERTIES;PRECIPITATION;MASS TRANSFER

03375 EQUATION FOR THE DENSITY OF VAPOR-SATURATED NACL-H2O SOLUTIONS FROM 750 TO 3250°C. Haas, J.L., Jr. Amer. J. Sci.: 269: No. 5, 489-93 (1970). SODIUM CHLORIDES;AQUEOUS SOLUTIONS;SATURATION;VOLUME;DENSITY;MEDIUM TEMPERATURE;HIGH TEMPERATURE;VAPORS;ERRORS;EQUATIONS

03376 SYNTHESIS AND STABILITY RELATIONS OF WAIKIRITE, CAAL2Si8O22-2H2O. Liou, J.G. Contrib. Miner. Petrol.: 27: No. 4, 259-82 (1970). WAIRKIRITE;CALCIUM SILICATES;ALUMINUM SILICATES;WATER;QUARTZ;GEOTHERMAL FIELDS;CARBONATES;ZEOLITES;SCHISTS;GEOLOGICAL CARBONATES;THERMODYNAMIC;STABILITY


03379 GENERAL CHARACTERISTICS OF CHEMISTRY OF COUNTRY ROCK HYDROTHERMAL ALTERATION IN RARE-METAL DEPOSITS OF THE DZHIDA GRE ENDE. Ontov, B.G. pp 207-16 of Probl. Metasomatizmu, Tr. Konf. Okolorudnomu Metasomatizmu, 2nd, 1966. Moscow: "Nedra" (1970). HYDROTHERMAL ALTERATION;GRANITES;QUARTZ;SODIUM OXIDES;SILICON OXIDES;IRON OXIDES;CALCULUS OXIDES;ALUMINUM OXIDES;RARE EARTHS;FLUORINE;SULFUR;BORON;OXYGEN;HYDROGEN SULFIDES


03382 FORMATION MECHANISM AND COMPOSITION CHARACTERISTICS OF A HYPABYSSAL GRANITIC MASSIF (KAMCHATKA). Koloskov, A.V.; Flerov, K.M. pp 89-101 of Problemy Metasomatizmu, 2nd, 1966. Moscow; "Nauka" (1970). QUARTZ;GRANITES;GRANODIORITES;FELDSPARS;PETROLOGY;PYROXENES;BIOTITE;HORNBLende;IGNEOUS ROCKS;SYNTHESIS;CHEMICAL COMPOSITION;MAGMA;USSR

03383 STATE OF SILICON IN AQUEOUS SOLUTIONS. Sretenskaya, N.G. pp 31-40 of Exps. Issled. Protesessov Mineroobrazov. Ovchinnikov, L.N. (ed.). Moscow: Izd. "Nauka" (1970). SULFUR 34;SYNTHESIS;STABILITY;CHEMICAL REACTION KINETICS;ISOTOPE RATIO;HYDROGEN SULFIDES;SULFUR 34;SILICIC ACID;AQUEOUS SOLUTIONS;CHEMICAL COMPOSITION;


03388 APPLICATION OF MATERIAL AND ENERGY BALANCES TO GEOTHERMAL STEAM PRODUCTION. Whiting, R.L.; Ramey, H.J., Jr. Field trip to the Geyser field, Lake and Sonoma Counties, Woodland, CA; Am. Pet. Inst., N.

HYDROTHERMAL ALTERATION; FELDSPARS; MINERALIZATION; PYRITES; PHALERITES; SILICON OXIDES; GALENA; CHALCOPYRITE; VOLCANIC ROCKS; ANHYDRITE.


HYDROTHERMAL ALTERATION; PYRITES; COPPER; LEAD; ZINC; GOLD; SILVER; FELDSPARS; ORES; POTASSIUM; MINERALIZATION.


POTASSIUM CHLORIDES; CHEMICAL REACTION KINETICS; AQUEOUS SOLUTIONS; MAGNESIUM CHLORIDES; GALCUM CHLORIDES; BARIUM CHLORIDES; MAGNESIUM SULFATES; POTASSIUM SULFATES; THERMODYNAMIC PROPERTIES.


SPECIFIC HEAT; AQUEOUS SOLUTIONS; MEASURING METHODS; NITRIC ACID; SODIUM CHLORIDES; GALORIMETRY.


THERMAL WATERS; SULFIDES; SOLUBILITY; METALS; CHEMICAL REACTIONS; SOLVENT PROPERTIES.


MINERAL SPRINGS; CARBON DIOXIDE; NITROGEN; NITRATES; FUMAROLES; CHEMICAL COMPOSITION; ORIGIN; VOLCANOES; MAGMA.


ELECTROLYTES; AQUEOUS SOLUTIONS; THERMODYNAMIC PROPERTIES; LITHIUM CHLORIDES; POTASSIUM CHLORIDES; WATER; CHEMICAL REACTION KINETICS; CRYOSCOPY.


THERMAL WATERS; CHEMICAL COMPOSITION; USSR; ZONES; DISSOLUTION; CALCIUM CARBONATES; SODIUM CHLORIDES.


ROCKS; THERMAL CONDUCTIVITY; MEASURING INSTRUMENTS; TEMPERATURE CONTROL; STAINLESS STEELS; SAND; CONCRETE.


HCl-NaCl-H2O, Pb(NO3)2-KNO3-H2O, BaCl2-KCl-H2O. THERMAL CONDUCTIVITY; ELECTROLYTES; HYDROCHLORIC ACID; SODIUM CHLORIDES; LEAD NITRATES; THERMOCUMBOS; BARIUM CHLORIDES; POTASSIUM CHLORIDES; POTASSIUM SILICATES; SODIUM CHLORIDES.


SODIUM SILICATES; ALUMINIUM SILICATES; PHASE STUDIES; EQUILIBRIUM; VERY HIGH PRESSURE; WATER.


KAOLIN; ORIGIN; TUFF; HYDROTHERMAL ALTERATION; VOLCANIC ROCKS; MONTOMORILLONITE; ALUMINIUM SILICATES; X-RAY DIFFRACTION; DIFFERENTIAL THERMAL ANALYSIS; THERMAL GRAVIMETRIC ANALYSIS; MICROSCOPY.


KAOLIN; SYNTHESIS; SODIUM CARBONATES; SODIUM CHLORIDES; MELTING; CRYSTALLOGRAPHY; HYDROTHERMAL ALTERATION; VOLCANIC ROCKS; ALUMINIUM SILICATES; SYNTHESIS.


FEOLSPARS; GEOTHERMOMETRY; PHASE STUDIES; EQUILIBRIUM; SILICATES.


ROCKS; THERMAL CONDUCTIVITY; BOREHOLES; HEAT FLOW.


HEAT FLOW; THERMAL CONDUCTIVITY; GEOTHERMAL GRADIENTS.


GEOCHEMISTRY; BIBLIOGRAPHY; HYDROTHERMAL ALTERATION; IGNEOUS ROCKS; METAMORPHIC ROCKS; LUNAR MATERIALS; METEORITES; TEXTURES; SEDIMENTS; ISOTOPES; WATER; CHEMICAL REACTIONS.

Book. GEOCHEMISTRY:EQUILIBRIUM; THERMODYNAMICS; SOLID SOLUTIONS: MELTING: PHASE STUDIES; GASES: ENTROPY: VOLUME: ENERGY: GEOLOGY; SOLAR SYSTEM: WATER


PETROLOGY: GEOCHEMISTRY: IGNEOUS ROCKS; METAMORPHIC ROCKS: SILICATES; BIBLIOGRAPHIES


IRON SILICATES: MAGNESIUM SILICATES; OXIDATION; SULFIDES; PHASE DIAGRAMS; PHASE STUDIES; IRON SULFIDES


WATER; SOLUBILITY; SODIUM SILICATES; ALUMINIUM SILICATES; PHASE STUDIES; VERY HIGH PRESSURE


MINERALS: ROCKS; THERMAL CONDUCTIVITY; MEASURING METHODS; DENSITY; CHEMICAL COMPOSITION; CRYSTAL STRUCTURE; SILICATES


HEAT FLOW; THERMAL CONDUCTIVITY; GEOTHERMAL GRADIENTS; EARTH CRUST; GEOPHYSICS


WATER: PHASE TRANSFORMATIONS; THERMODYNAMICS; FREE ENERGY; THERMAL EQUILIBRIUM; THERMAL DEPENDENCE; PRESSURE DEPENDENCE; THERMODYNAMIC PROPERTIES


CALCIUM OXIDES; SILICON OXIDES; CARBON DIOXIDE; DIFFERENTIAL THERMAL ANALYSIS; X-RAY DIFFRACTION; QUARTZ; SYNTHESIS; WATER


CLAYS; SOILS; SOLUTIONS; STABILITY; SILICATES; MONTMORILLONITE; KAOLIN; SILICON OXIDES; CHEMICAL PROPERTIES; SOLUBILITY


ZEOLITES; JAPAN; DIAGENESIS; GEOLIGIC DEPOSITS; TUFF; QUARTZ; CLINOPTILOLITE; GEOTHERMOMETRY; GLASS; HYDROTHERMAL ALTERATION; TUFF; SEDIMENTARY ROCKS


PYROXENES; QUARTZ; EQUILIBRIUM; STABILITY; HIGH TEMPERATURE; IRON OXIDES; VERY HIGH PRESSURE; OXYGEN; ANDRADITE; PHASE STUDIES


ELECTROLYTES; THERMAL DIFFUSION; LITHIUM CHLORIDES; SODIUM CHLORIDES; POTASSIUM CHLORIDES; RUBIDIUM CHLORIDES; CESIUM CHLORIDES; WATER; HEAVY WATER; SPECIFIC HEAT; THERMODYNAMIC PROPERTIES


ROCKS; MINERALIZATION; SOLUBILITY; GEOTHERMAL GRADIENTS; WATER; CARBON DIOXIDE; TECTONICS; MINERALS; ORIGIN


CHEMICAL REACTION KINETICS; FELDSPARS; EQUILIBRIUM; HIGH TEMPERATURE; HIGH PRESSURE; THERMAL WATERS; HYDROTHERMAL SYSTEMS; PHASE STUDIES; THERMODYNAMICS; SILICATES


PH VALUE; SYNTHESIS; BORON SILICATES; THERMAL WATERS


THERMAL WATERS; MINERALS; GALENA; HIGH TEMPERATURE; TRANSPORT; SOLUBILITY; SOLVENT PROPERTIES; SPHALERITES


In Congresso Geologico Venezolano, 4th, Memoria, Volume 4.

QUARTZ; GEOTHERMOMETRY; SILICATES; SILICON OXIDES


ITALIA; METAMORPHIC ROCKS; ISOTOPE RATIO; OXYGEN ISOTOPES; QUARTZ; FELDSPARS; GEOCHEMISTRY; MUSCOWITE; SILICATES


SULFIDES;CHEMICAL REACTIONS;MINERALS;SYNTHESIS;HIGH TEMPERATURE;HIGH PRESSURE;PHASE TRANSFORMATIONS;MAGMA;CRYSTALLIZATION;COOLING;HYDROTHERMAL SYSTEMS;MINERALIZATION;HYDROTHERMAL ALTERATION;PYRITES;CHALCOPYRITE


ROCKS;HYDROTHERMAL ALTERATION;MONTMORILLONITE;CHLORITE MINERALS;MICA;ZEOILITES;QUARTZ;MINERALS;SYNTHESIS;DEPTH;HIGH TEMPERATURE;OCEAN DEPOSITS;EPIDOTES;FELDSPARS;ALUMINUM SILICATES;CALCIUM SILICATES;TITANIUM SILICATES;SULFIDES


HYDROTHERMAL ALTERATION;USSR;MICA;KAOLIN;QUARTZ;TUFF;LAVA;GEOLGY;QUARTZITES;SEDIMENTS;GEOCHEMISTRY;SYNTHESIS


QUARTZITES;HYDROTHERMAL ALTERATION;QUARTZ;HEMATITE;TOMALTINE


USSR;VOLCANIC REGIONS;HYDROTHERMAL ALTERATION;MINERALIZATION;QUARTZITES;VOLCANIC ROCKS;COPPER;TIN;MOLYBDENUM;ARSENIC;MERCURY;GOLD;ZONES


METAMORPHOSES;FELDSPARS;REVIEW;GRANITES;SYNTHESIS;USES;GEOTHERMOMETRY


FELDSPARS;SYNTHESIS;TEMPERATURE DEPENDENCE;HIGH PRESSURE;HYDROTHERMAL WATERS;SILICON OXIDES;GLASS;ANALCIME


MINERALIZATION;SYNTHESIS;ILLITE;IRON;CALCIC CARBONATES


THERMAL WATERS;HEATING;TEMPERATURE MEASUREMENT;ENERGY;MECHANICS;VARIATIONS;GEOTHERMAL ENERGY;ENVIRONMENT;THERMODYNAMIC PROPERTIES;GEOTHERMAL POWER PLANTS


THERMAL fields;DRILL CORES;KAOLIN;QUARTZ;CALCITE;METAMORPHIC;HYDROTHERMAL ALTERATION;MONTMORILLONITE;MINERALS;CHEMICAL COMPOSITION;WAIRAKITE;EPIDOTES;METAMORPHIC ROCKS;GEOTHERMOMETRY;MINERALIZATION


THERMODYNAMICS;THERMAL SOLUTIONS;MINERALS;SYNTHESIS;ALUMINIUM COMPOUNDS;IRON COMPOUNDS;SILICON OXIDES;HYDROTHERMAL ALTERATION;MINERALIZATION;QUARTZ;CALCITE;MINERALS;SYNTHESIS;HIGH TEMPERATURE;HIGH PRESSURE;PHASE TRANSFORMATIONS;MAGMA;HEAT;ENERGY;MECHANICS;VARIATIONS;THERMAL WATERS


MINERALS;SYNTHESIS;USES;GEOTHERMOMETRY;MINERALIZATION;SOLVENT PROPERTIES;THERMAL WATERS


COMPLEXES;LEAD SULFIDES;PRECIPITATION;THERMAL WATERS;SOLVENT PROPERTIES

03618 SYNTHESIS AND STABILITY RELATIONS OF EPIDOTE, CA_{2}Al_{2}FeSi_{2}O_{12}(OH). Liou, J.G. J. Petrol.; 14: No. 3, 2640 (1973).

MINERALS;SYNTHESIS;CALCIUM COMPLEXES;ALUMINUM COMPLEXES;IRON COMPLEXES;SILICON COMPLEXES;HYDROTHERMAL SOLUTIONS;EPIDOTE;SOLVENT PROPERTIES;EQUILIBRIUM;CHEMICAL PROPERTIES


SODIUM COMPLEXES;AQUEOUS SOLUTIONS;THERMODYNAMIC PROPERTIES;HIGH TEMPERATURE;TEMPERATURE DEPENDENCE;PHASE TRANSFORMATIONS;WATER;STEAM;PHASE DIAGRAM;VAPORIZATION HEAT;ENTHALPY


Boreholes;TEMPERATURE MEASUREMENT;MEASURING INSTRUMENTS;INFRARED RADIATION;RESOLUTION;NOISE

03621 BASIC INFORMATION ON THE SUBSOLIDUS STRUCTURE OF THE SYSTEM Al_{2}O_{3}·SiO_{2}·H_{2}O. Berezchnoi, S.S. (Khar'kov Physicotechn. Inst., USSR).


03825 CLAY MINERALS OF HYDROTHERMALLY ALTERED SEDIMENTS. Gorbunova, Z.N. (Inst. Oceanol., Moscow, USSR). Litol. Polez. Iskop.; No. 6, 45-61 (1973). (In Russian). HYDROTHERMAL ALTERATION;CLAYS;SEDIMENTS; ZEOLITES;SHALE;IRON OXIDES;MANGANESE OXIDES; LITHIUM;MONTMOHRILLITE;ILLITE;CHLORITE MINERALS;VERMICULITE;DRILL CORES;CHEMICAL ANALYSIS;ABUNDANCE;MINERALS

03826 KINETICS OF HYDROTHERMAL REACTIONS NEAR THE MONOVARIANT EQUILIBRIUM LINE AND A METHOD OF ESTIMATING EQUILIBRIUM. Kalinin, D.V.; Ogneva, V.K. Dokl. Akad. Nauk SSSR; 213: No. 4, 920-2 (1973). AQUEOUS SOLUTIONS;GEOCHEMISTRY;MAGNESIUM SILICATES;PYroxenes;SYNTHESIS;CHEMICAL REACTIONS;KINETICS;EQUILIBRIUM;MINERALS;SODIUM CHLORIDES; TALC

03827 STABILITY OF METAMORPHIC BIOTITE PARAGENESIS. Moschek, G. Tschermaiks Mineral. Petrogr. Mitt.; 20: No.1, 48-56 (1973). BIOTITE;SYNTHESIS;ORIGIN;SILICATES;METAMORPHISM;CHLORITE MINERALS;FELDSPARS; MUSCovITE;QUARTZ;PHASE STUDIES;EQUILIBRIUM


03829 RELATION OF THE SODIUM-POTASSIUM RATIO IN THERMAL WATERS TO THE EQUILIBRIA OF FELDSPARS AND ANALCITE. Senderov, E.E. Geokhimiya; No. 12, 1061-7 (1973). THERMAL WATERS;GEOCHEMISTRY;POTASSIUM;SODIUM; FELDSPARS;EQUILIBRIUM;MINERALS;ROCKS; HYDROTHERMAL ALTERATION;BUFFERS;QUANTITY RATIO; BASALT;ALUMINUM SILICATES;CHEMICAL REACTIONS;PHASE STUDIES

03830 MODE FOR FELDSPATIZATION IN SHEAR ZONES. Wintsch, R.P. Geol. Soc. Amer., Bull.; 5: No. 7, 867-70 (1973). FELDSPARS;HYDROTHERMAL ALTERATION;SILICATES;MINERALS;MICA;GEOCHEMISTRY;SYNTHESIS

03831 GEOTHERMAL PROBLEMS. BOOK REVIEW. Bodvarsson, G. Geology exploration; 11: No. 1, 55-6 (1973). TECTONICS;HEAT FLOW;GEOPHYSICS;EARTH CRUST


03838 THERMODYNAMIC CONDITIONS OF


03840 ROLE OF SUBSURFACE WATERS IN THE FORMATION OF HYDROTHERMAL DEPOSITS. Orfanidi, K.T.; Izv. Akad. Nauk SSSR, Nauki Zemle; 26: No. 5, 40-50(1973). GEOLOGIC FAULTS;ORES;GEOLGIC DEPOSITS;PRESSURE GRADIENTS;HYDRODYNAMICS;HYDROSHERE;UNDERGROUND;SYNTHESIS;THERMAL WATERS.


03842 MIXED-LAYER MINERAL OF ILLITE AND MONTMORILLONITE FROM MARUO, KAGOSHIMA PREFECTURE, JAPAN. Machi, M.; Nonaka, T. (Fukuoka Univ. Educ., Fukuoka, Japan). Fukuoka Kyoiku Daigaku Kyoh, Dai-3-Bu, Rika-Hen; 33: 91-102(1973). JAPAN;ILLITE;MONTMORILLONITE;PYROXENES;X-RAY DIFFRACTION;CHEMICAL ANALYSIS;ALUMINUM OXIDES;MAGNESIUM OXIDES;CALCIC OXIDES;IRON OXIDES;DIFFERENTIAL THERMAL ANALYSIS;HOT SPRINGS;HYDROTHERMAL ALTERATION;SYNTHESIS.

03843 COMPLEXING IN THE CHLORIDE HYDROTHERMAL SYSTEM GOLD:QUARTZ. Vilor, N.V.; Kaz'min, L.A. Inst. Geokhim., Sib. Otd., Akad. Nauk SSSR; 1972: 360-4(1973). GOLD;SILICIC ACID;WATER;SODIUM CHLORIDES;HYDROCHLORIC ACID;SODIUM HYDROXIDE;SOLUBILITY;HIGH TEMPERATURE;EDITION;GOLD COMPLEXES;QUARTZ;HYDROLYSIS;CHLORIDE MINERALS;CHEMICAL REACTIONS;SYNTHESIS;PHASE STUDIES;HYDROTHERMAL SYSTEMS;AQUEOUS SOLUTIONS.


03846 FINITE ELEMENT APPROACH TO THE MODELING OF HYDROTHERMAL SYSTEMS. Mercer, J.W.; Pinder, G. (Univ. of Colorado, Boulder, Colo., USA). J. Geophys. Union; 54: No. 4, 263(1973). HYDROTHERMAL SYSTEMS;MATHEMATICAL MODELS;FINITE ELEMENT METHOD;GROUNDWATER;GEOTHERMAL ENERGY.


03848 HYDROLYSIS REACTIONS IN THE SILICON OXIDE EXCESS PORTION OF THE SYSTEM POTASSIUM OXIDE-ALUMINUM OXIDE-SILICON DIOXIDE-WATER IN CHLORIDE FLUIDS AT MAGMATIC CONDITIONS. Shade, J.W. (Dep. Geol., Univ. Toledo, Toledo, Ohio). Econ. Geol.; 69: No. 2, 210-28(1974). POTASSIUM OXIDES;ALUMINUM OXIDES;SILICON OXIDES;WATER;CHEMICAL REACTION KINETICS;HIGH TEMPERATURE;VERY HIGH PRESSURE;SOLUTIONS;EQUILIBRIUM;CHLORIDES;MUSCOVITE;FELDSPARS;MINERALS;SYNTHESIS;MAGMA;HYDROLYSIS;ALUMINUM SILICATES.

03849 PHASE RELATIONS OF TITAN-ACMITE IN THE SYSTEM SODIUM OXIDE-IRON(III)OXIDE-ALUMINUM OXIDE-TITANIUM DIOXIDE-SILICON DIOXIDE AT 1000 BARS TOTAL WATER PRESSURE. Flower, M.P.J. (Inst. Mineral., Ruhr-Univers., Bochum, Ger.). Amer. Mineral.; 59: No. 5/6, 556-59(1974). QUARTZ;SYNTHESIS;TECTONICS;SODIUM CHLORIDES;TEMPERATURE GRADIENTS;HYDROLYSIS;SODIUM HYDROXIDES;HYDROCHLORIC ACID;CHEMICAL REACTIONS;SILICON OXIDES;CRYSTALLIZATION;CONVECTION;THERMAL WATERS.


03851 TEMPLATE PLOTTING OF REACTIONS INVOLVING WATER-CARBON DIOXIDE REACTIONS. Barron, L.M. (Univ. of Aberdeen, Scotland). Contrib. Miner. Petrol.; 44: No. 1, 81-3(1974). HYDROTHERMAL SYSTEMS;WATER;CARBON DIOXIDE;CHEMICAL REACTIONS;CHEMICAL REACTION KINETICS;EQUATIONS;PHASE STUDIES.

03852 HEAT DISPERSION EFFECT ON THERMAL CONVECTION IN A POROUS MEDIUM LAYER. Rubin, H. J. Hydrod. 9: No. 1, 19-26(1974). CONVECTION;LAYERS;POROSITY;GROUNDWATER;HEAT;DIFFUSION;GEOTHERMAL ENERGY;EARTH CRUST.


<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
<th>Journal / Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>II. MEASUREMENTS ON STRUCTURES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BARIUM OXIDES:ALUMINUM OXIDES:SILICON OXIDES; THERMAL EXPANSION; CRYSTAL STRUCTURE; SOLID SOLUTIONS; PHASE STUDIES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EARTH CRUST; EARTH MANTLE; HEAT FLOW; METAMORPHIC ROCKS; WATER; ABBUNDANCE; AMPHIBOLE; ZONES; VOLCANIC ROCKS; GRANITAN; GEOTHERMAL GRADIENTS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MANGANESE AND VANADIUM DISTRIBUTION IN COEXISTING TITANOMAGNETITES AND ILMENITES AND THEIR SIGNIFICANCE AS GEOTHERMOMETERS.</td>
<td>Tugarinov, A.I.; Il'in, N.P.; Zhdanov, V.A.; Polyakov, V.V. (V.V. Kuibyshev Tomsk State Univ., USSR).</td>
<td></td>
</tr>
<tr>
<td>VOLCANIC ROCKS; HYDROTHERMAL ALTERATION; GRES; SYNTHESIS; GEOLIGIC DEPOSITS; GEOLGEOLOGY; TECTONICS; THERMODYNAMICS; USSR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANDRADITE; QUARTZ; PYROXENES; HEMATITE; CALCIUM SILICATES; IRON OXIDES; PHASE STUDIES; CALCIUM; IRON; SILICON; OXYGEN; HYDROGEN</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FELDSPARS; HYDROTHERMAL ALTERATION; REACTION KINETICS; KAOLIN; SYNTHESIS; ZONES; GEOCHEMISTRY; SILICATES; EQUILIBRIUM; PHASE STUDIES; CLAYS; X-RAY DIFFRACTION</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Page 208 - Geothermal Energy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>----------------------------</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>


**03873** Italian Geophysics Bibliography. Aquilina, C. Italy; Assoc. Geofis. Italiana (1954). 224p. Bibliographies; Geophysics; Radioactivity; Volcanoes; Seismology; Italy

**03874** Riddles of the Earth. Budleynikov, F. Unknown; Moskov. Rabochiy (1958), 136p. Book. Geology; Earth crust; Earth planet; Orcits; Earthquakes; Volcanoes; Geologic Strata; Geologic Faults; Age Estimation; Geophysical Surveys; Equipment; Geophysics

**03875** Feldspar Geologic Thermometers. Barth, T.F.W. *Norsk Geol. Tidsskr.; 42*: No. 2, 330-9 (1962). Geothermometers; Feldspars; Geothermometry; Performance

**03876** Comments on the Two-Feldspar Geothermometer. Orville, P.H. *Norsk Geol. Tidsskr.; 42*: No. 4, Pt. 2, 360-6 (1962). Geothermometers; Feldspars; Geothermometry; Sodium; Distribution; Calibration


**03879** Sterile Hot Brines of the Red Sea. Watson, S.W.; Waterbury, J.B. *pp 272-81* of Hot brines and recent heavy metal deposits in the Red Sea. New York; Springer-Verlag (1969). Red Sea; Brines; Sediments; Bacteria

**03880** Bacterial Sulfate Reduction in the Red Sea Hot Brines. Truper, H.G. *pp 263-71* of Hot brines and recent heavy metal deposits in the Red Sea. New York; Springer-Verlag (1969). Red Sea; Brines; Bacteria; Chemical Composition; Reduction; Sulfates

**03881** Mathematical Estimation Concerning the Cooling of a Magma Intrusion. Muntry, E. (Niedersachsisches Landesamt fuer Bodenforschung, W. Germany). Geothermics; No. 2, 652-3 (1970). Cooling; Magma; Mathematical Models; Solidification; Temperature Measurement; Igneous Rocks; Thermal Conduction


**03884** Physical Model of Planetary Magmatism. Kadik, A.A.; Yaroshevskii, A.A. (Inst. of Geochemistry and Analytical Chemistry, Moscow). Geothermics; 1: No. 3, 124-31 (Sep 1972). Mockup; Earth crust; Geothermal Energy; Crystallization; Convective Instabilities; Heat Transfer; Mass Transfer; Volatility; Geologic Deposits; Gravitational Fields

**03885** Bacterial Origin of Sulfuric Acid in Geothermal Habitats. Mosser, J.L.; Mosser, A.G.; Brock, T.D. (Dep. Bacteriol., Univ. Wisconsin, Madison, WI). Science; 179: No. 4080, 1323-4 (1973). Hot Springs; pH Value; Sulphatases; Soils; Bacteria; Sulfur; Oxidation; Sulfuric Acid; Abundance


AUTHOR INDEX

Authors' surnames are indexed in the for appearing in the abstracted publication; given names are reduced to initials. Each author entry gives the publication title and the citation number. Report numbers are given in parentheses at the end of the entry. For publications with multiple authors, an author entry is provided for each. Entries for the second and succeeding authors cite reference notes to first author.

Changes in spelling and accent marking involved in the mechanical preparation of this index, all accent marks are omitted. Changes in title format appear as a result of accent omission follow standard conventions.

A

AAMODT, R.L., Artificial geothermal reservoirs in hot volcanic rock, 3280 (LA-UR-73-1695)

AAMODT, R.L., See SMITH, R., 3597

AAMODT, R.L., Induction and growth of fractures in hot rock-artificial geothermal reservoirs, 3276 (LA-2C-72-669)

ABDULLAEV, A.U., See GUKIN, E.S., 3768

ABEC, F., See OYAMA, N., 2576

ABELLA Y CASARIEGO, E., Descriptive study of some mineral springs of the Philippines, 1596

ABELSON, P.H., Researches in geohydrosalinity, Volume 2, 3388

ABER'EV, V.V., Volcanism and the thermal springs of the Uzon-Senyachiksk geothermal region Khaschatka, 1532

ADAMOV, T., See MUKUGUMA, M., 2451

ADIDOV, D.B., Geothermal study of Tongonan Springs, Ormoc City, Leyte, 1472

ABOL'ZIN, P.A., Corrosion of carbon steels in geothermal waters, 3196

ACHETEV, B.V., See NAUMOV, G.B., 761

ACOLISON, P., See TSKHVIRASHVILI, D., 3199

ADAM, R.O., Seismological and geothermal research in New Zealand, 624

ADAMOV, K.S., See NARATOV, K.S., 2316

ADAMS, G.I., Geologic reconnaissance of southeastern Luzon, 978

ADAMS, G.I., Geologic reconnaissance of the island of Leyte - with notes and observations on the adjacent Samar Islands and southwestern Samar, 977

ADAMS, J.M., Preparation of specimens for determination of thermal conductivity, 3394

ADAMS, W.H., See JOHNSTON, J.J., 3365

ADAMS, W.H., See PURDYMAN, W.D., 2278

ADAMS, W.H., See PURDYMAN, W.D., 2279

ADAMS, W.M., Geophysical studies for volcanological geology, 1979

ADAMS, W.M., Hydrogeophysical survey using remote-sensing methods from Kawaihe to Kailua-Kona, Hawaii, 2150

ABBAGLI, J.M., See MISCELE, C., 2763

ADIVARAHAN, P., Heat transfer in porous rocks through which single-phase fluids are flowing, 3502

AFANASEYE, N.L., Smoothing of gravitational anomalies, 1785

AFANASEYE, T.P., Thermal waters in areas of oil and gas accumulation, 3580

AFANASEYE, V.N., See GOTOGL", A.V., 1480

AGASSIZ, A., Underground temperatures at great depths, 3070

AGMERAAD, L., Interpretation and correlation of some geophysical well logs with geology for instrument holes, 2209

AGNEW, B.G., Evaluation of fracture treatments with temperature surveys, 3291

AGNEW, B.G., Evaluation of fracture treatments with temperature surveys, 3580

AGRAVAT, M.P., Computation of thermal conductivity of sandstones by considering them as unconsolidated sands, 3618

AKULAWILA, R.K., See CHOU, J.C.S., 3101

AIDIN'YAN, N.KH., Hydrothermal mercury migration stage, 2465

AIDIN'YAN, N.KH., Mercury in recent hydrothermal waters, 2574

AIDIN'YAN, N.KH., Mercury in recent hydrothermal waters, 2574

AIDIN'YAN, N.KH., Mercury in recent hydrothermal waters, 2574

AIDIN'YAN, N.KH., Mercury in recent hydrothermal waters, 2574

AKOLOVComposition of thermal conductivity of sedimentary rocks as a function of temperature and density, 3615

AKMEDJOVA, D.H., Influence of various factors on the thermal conductivity of porous sedimentary rocks, 3705

AKINA, M., Mechanical features of a geothermal plant, 3641

AKOLOIN, P.A., Corrosion of copper and its alloys in geothermal waters, 3160

AKOLOIN, P.A., Corrosion of copper and its alloys in geothermal waters, 3261

AL'BEROV, A.G., Hydrogeological conditions of formation and regularities of distribution of the thermal waters of the Azerbaizhan SSR, 2468

AKEREDOV, A.G., Analysis of deep thermal waters manifest. in the course of exploratory drilling for oil and gas, 3377

AL'ROV, S.V., Formation of the hot springs of the Crimean Peninsula and their utilization, 1337

ALEKSEIEV, A.M., New complex apparatus for electrical surveying, 1993

ALEKSEIEV, F.A., First results of geophysical and geochemical exploration of super-deep boreholes, 2146

ALEKSEIEV, F.A., Geophysical and geochemical investigations of ultra-deep boreholes, some results and problems (in Yedemnaya Geofizike), 2733

ALEXANDROV, A.L., First results of exploration of super-deep boreholes, 2794

ALEXANDROV, A.L., Second results of exploration of super-deep boreholes, 2837

ALEKSEEV, A.A., fluorine in thermal springs of low mineral content, 2335

ALEKSEEV, A.A., Geothermal energy, 3309

ALEKSEYEV, A.A., Heat transfer in geothermal systems, 3309

ALEKSEEV, A.M., Interrelation between secondary quartzites and hydrothermal formations of other types, 3808

ALEKSEYEV, F.A., New complex apparatus for electrical surveying, 1993

ALEKSEYEV, F.A., First results of geophysical and geochemical exploration of super-deep boreholes, 2146

ALEKSEYEV, F.A., Geophysical and geochemical investigations of ultra-deep boreholes, some results and problems (in Yedemnaya Geofizike), 2733

ALEXANDROV, A.L., Heat flow through the bottom of the inner sea and lakes in the USSR, 2192

ALEXANDROV, C.G., Practical treatise on geophysical prospecting, 1576

ALFANDI, L., Geoelectrical explorations for natural steam near 'Monte Amiata', 1755

ALFANDI, L.A., Geoelectrical explorations for natural steam near 'Monte Amiata', 1794

ALFOLDI, L., Hungary methodological problems of geothermal measurements, 1867

ALFORD, L., Hydrogeological and geophysical investigations of geothermal anomaly in Hungary - 1, 1313

ALFORD, L., Hydrogeological and geophysical investigations of geothermal anomaly in Hungary - 2, 1313

ALIYEV, A.A., Geohyrm of the Kuyurovsk deposits, 2041

ALIYEV, S.A., Geothermal System of Southern U.S., 1395

ALIYEV, S.A., See KASHNAY, A.A., 1373

ALKAZZAZ, N., See MATOUN, M., 3668

ALLEGRENI, S., Corrosion characteristics phase of geothermal power plant protection (collateral processes of abrasion, erosion, and scaling), 1288

ALLEN, D.R., Earth's heat tapped for geothermal power development, 37

ALLEM, D.R., Legal and policy aspects of geothermal resource development, 2797
<table>
<thead>
<tr>
<th>Name</th>
<th>Year</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEAN, C.</td>
<td>1992</td>
<td>Using nuclear resonance daemen to sense heavy metal deposits in the geothermal region, temperature, and composition</td>
</tr>
</tbody>
</table>
FERGUSON, R.B., Progress report on electrical studies, COGS, Geothermal Area, Inyo County, July 1974, 1403-1409, 1435-1437.

FERGUSON, G.J., Possibilities of natural radiocarbon as a ground water-geothermal area tracer, 1120.

FERGUSON, G.J., Radioactivity logging in geothermal boreholes, 1728.

FERGUSON, J.R., Interpretation of vertical electrical soundings – resistivity soundings and parametric inversion, 216.

FERNANDEZ ALONSO, F., Some results obtained with a heat induced photovoltaic device, 2010.

FERNANDEZ-RIVAS, R., Geothermal resources of Guatemala, Central America, 576.

FERRARA, G., See FERRARA, G.C., 2938.

FERRARA, G., See FERRARA, G.C., 2473.

FERRARA, G., See GONTANITI, R., 2617.

FERRARA, G., Isotopic composition of argon from steam jets of Tuscany, 2472.

FERRARA, G.C., Carbon isotopic composition of carbon dioxide and methane from steam jets of Tuscany, 2398.

FERRARA, G.C., See CATALDI, R., 2973.

FERRARA, G.C., See CATALDI, R., 1408.

FERRARA, G.C., See CATALDI, R., 2053.

FERRARA, G.C., See BURGASSI, P.D., 2539.

FERRARA, G.C., See CATALDI, R., 1465.

FERRARA, G.C., See ARANGO, E., 1484.

FERRARA, G.C., See ARANGO, E., 2539.

FERRARA, G.C., Carbon isotopic composition of carbon dioxide and methane from steam jets of Tuscany, 2398.

FERRARA, G.C., See CATALDI, R., 2973.

FERRARA, G.C., See CATALDI, R., 1408.

FERRARA, G.C., See BURGASSI, P.D., 2539.

FERRUCA, G., See CATALDI, R., 2515.

FERRARA, G., See CATALDI, R., 2515.

FERRARA, G., Isotopic composition of carbon dioxide and methane from steam jets of Tuscany, 2472.

FISCHER, W.A., Yellowstone's living geology, 3403.

FISHER, C., Geology and water resources of the Bighorn Basin, Wyoming, 764.

FISHER, J.R., Thermostatic calculations from hydrothermal phase equilibrium data and the free energy of the geothermal system, 1504.

FISHER, R.G., See DAWSON, G.B., 1827.

FISHER, R.G., Geothermal heat flow at Wairakei, New Zealand, 1392.

FISHER, R.G., See BENZEMAN, R.F., 1236.

FISHER, W., Jr., See STINGELIN, R.W., 1000.

FISHER, W.M., Drilling equipment used at Wairakei geothermal project, New Zealand, 3134.

FISHER, W.M., Production of steam from thermal wells in Wyoming, 1000.

FISHMAN, M.J., See BROWN, E., 2569.

FISHMAN, M.J., Use of automated titrations and analytical work, 2568.


FLEINING, V., See NGWAPA, N.G.M., 1031.

FLOER, G.B., See KOLUSKOV, A.V., 3742.

FLORE, R.W., See BURGASSI, P.D., 2539.

FONIA, O., Importance of information on the geological organizations with respect to the future study of geothermal areas, 508.

FOP, V.M., Mapping and exploration of geothermal waters and steaming hydrothermal areas, 1258.

FONSEKA, J.P.R., Mineral and thermal waters of Ceylon, 2166.

FONSEKA, J.P.R., Mineral and thermal waters of Ceylon, 1447.

FONTAINE, H., Thermomineral sources of waters in the USSR, 450.

FORTUNA, G., Exploration of mineral and thermal waters in South Viet Nam, 1449.

FOURNIER, J.D., Some investigations of the geological organizations with respect to the future study of geothermal areas, 508.

FOURNIER, J.D., Review of geochemical techniques in geothermal exploration, 2601.

FOURNIER, J.D., Review of geochemical techniques in geothermal exploration, 2601.

FORDER, R.J., Airborne infrared scanner as a tool for mapping ground temperatures – remote sensing technology for mapping geotherm in boreholes, 1670.

FREDRIKSON, R.O., Geochemical indicators of geothermal areas, 2614.

FREDRIKSON, R.O., Estimation of underground temperatures from silicate content of water from hot springs and wet-steam wells, 2614.

FREDRIKSON, R.O., Geochemical indicators of geothermal areas, 2614.

FRANKO, A.P., Possibilities of utilizing the warmth of the earth in the Soviet Republic by finding new sources of hyperthermal waters, 596.

FRANKO, G., See RACUS, G., 553.

FREEMAN, S.I., Technical alternatives for energy management, 16.

FREDRIKSON, R.O., See SMITH, R.A., 2437.

FREDRIKSON, R.O., Water temperatures in California wells, 1693.

FREDRIKSON, R.O., Water temperatures in California wells, 1694.


FRIEDEL, G., Measurement of temperature in boreholes, 1670.

FREDRIKSON, R., See BLACKWELL, D.B., 4662.

FRIEDMAN, I., Meteoric water in magmas, 942.

FRIEDMAN, I., See LOVERING, T.S., 3537.

FRIEDMAN, I., Some investigations of the deposition of travertine from hot springs (Pt. 1. Isotopic chemistry of a travertine-depositing spring), 1904.

FRIEDMAN, I., Volcanological observations, 2360.

FRIEDMAN, J.O., Proposed method for the measurement of geologic temperature, 3414.

FRIEDMAN, J.O., Airborne infrared scanner as a geophysical research tool, 2062.

FRIEDMAN, J.O., See WILLIAMS, R.S., Jr., 1944.

FRIEDMAN, J.O., Infrared emission from Kverkfjöll subglacial volcanic and geothermal areas, Iceland, 2168.

FRIEDMAN, J.O., Infrared sensing of active geologic processes, 1930.

FRIEDMAN, J.O., Infrared surveys in Iceland in 1960, 1903.

KACURA, G., Thermal and mineral waters of the Visoki, 253
KADAK, A., Heat effects of water separation and silicate melting in water-steam systems at high pressures, 3765
KADAK, A.A., Physical model of planetary magnetism, 3894
KADAK, A.A., Thermodynamic conditions of formation of silicates at high pressures, 3604
KAGANOV, M.A., Measurement of thermal water volumes, 1786
KAMAS, K., Integrated engineering-geophysical and hydrogeologic localization, 2286
KAMAS, K., New Ge-make instruments, 2183
KARKON, K., See NGUCHI, K., 15.13
KALININ, D.V., Kinetics of hydrothermal reactions near the nonmonotonic equilibrium line and a method of estimating equilibrium, 2631
KALISHEVICH, K.I., Geothermal power, 1904
KALISHEVICH, K., Chemical and hygicnic studies on natural radioactive spas. II. Natural radioactive nuclides in hot-spring water at the Miasmine spa area, 2559
KALEGCHEVA, K., See NGUCHI, K., 88.01
KAMIYA, K., Behavior of silicone, aluminium, magnesium, sodium, and potassium in fumarolic waters at the Mihara Volcano, Japan, 1832
KAMIYA, K., Dissolution rate of powdered quartz in acid solution, 2634
KAN, M.S., Geothermal conditions in the Illi Basin (in gidozhiyka gidrotorniya podzemnykh vod kazakhstana), 2035
KAN, M.V., Regular characteristics in formation of chemical composition of geothermal waters in the Illi syncline, 3776
KAN, M.S., Resources of thermal waters in the Illi Basin and prospects of their utilization, 1326
KAN, M.S., See ZHEVAD, V.S., 1970
KAN, M.M., See TSEIVA, D., 1974
KANE, J., Iceland’s thermal geology, 2177
KANE, J., Iceland’s thermal geology, 600
KANE, J., See OLIVER, H.W., 1663
KANROJI, Y., Changes of chemical components in geothermal-spring water during transportation through pipelines, 2577
KANROJI, Y., See TOKAIRIN, T., 1254
KANROJI, Y., See MASUKO, Y., 2457
KANROJI, Y., See SATO, K., 2487
KAPENCHUK, L.N., Nature of chlorides of deep brines, 2392
KAPEAN, I., Geophysical investigations of metal deposits at the Zaa volcanic region, 2436
KATOU, T., Geochronological investigation of mineral springs in the Shirakata volcanic region, 2453
KATSU, Y., Exploring text of the geological map of Japan, Scale 1:50,000, 3086
KATSURA, T., See IWASAKI, I., 1225
KATSURA, T., See IWASAKI, I., 2396
KAUFMAN, A., Cost-effective geothermal exploration by alternative generating methods, 3378
KAUFMAN, A., Economic appraisal of geothermal power, 2846
KAUFMAN, A., Economic appraisal of geothermal power, 2846
KAUFMAN, A., Economic appraisal of geothermal energy, 2859
KAUFMAN, A., Economic appraisal of geothermal power in the United States, 2685
KAUFMAN, A., Geothermal power - economic evaluation, 2846 (VR-10-1350)
KAUFMAN, A.A., Basis of a method of field buildup sounding in the near zone, 2351
KAUFMAN, A.A., Economic appraisal of geothermal power, 2845
KAUFMAN, A.B., Geothermal power, an economic evaluation, 2844
KAULAKUL, S., Geophysical contributions to the study of geothermal energy in Turkey, 2133
KAULAKUL, S., Geothermal waters or natural steam, 720
KAWAJI, K., Studies of thermal state of Earth - 15, 3581
KAWAGU, K., Studies of thermal state of Earth - 15, 3581
KAWAKAMI, K., See ODA, T., 2528
KAWAKAMI, K., Spectrographic analysis of evaporated residue of Beppu thermal waters, Oita, 2352
KAWANO, Y., Geophysical investigation of the Tomari-Shibishi volcanic area, 1991
KAYE, G.W., Conductivity of vitreous silica, with a note on crystalline quartz, 1991
KAZ'MIN, L.A., See VILOR, N.V., 3843
KAZMA, J., Dependence of properties of clay suspensions on the mineralogical type of clay soil, 3069
KAZTISYN, YU. V., See CHERNOHRUK, S.G., 3709
KEEEN, J., Geothermal stations have pollution problems, 2993
KEHLE, R.D., AAPG geothermal survey of North America, 76
KEITH, T.C., Hydrothermal epiforesis in the Salton Sea geothermal system, California, 2032
KELLER, G.V., Dipole mapping surveys, 2177
KELLER, G.V., Drilling at the susut of Kilauea volcano, 2651 (PB-1174411)
KELLER, G.V., Drilling at the susut of Kilauea volcano, 2651
KELLER, G., Electrical exploration for geothermal reservoirs, 2156
KELLER, G.V., Geophysical logs from the Kilauea geothermal research drill hole, 2762
KELLER, G.V., Geophysical logs from the Kilauea geothermal research, 2247
KELLER, G.V., Geophysics of Colorado and geothermal energy, 2324
KELLER, G.V., Induction methods in prospecting for hot water, 2062
KELLER, L.J., Development of a specialized geophysical tool as a primer mover for economy in service, 3099
KELLER, W.D., Natural steam at Larderello, Italy, 2904
KELLER, W.D., Natural steam at Larderello, Italy, 2905
KELLY, C.J., Preliminary study of the waters of the Jemez plateau, New Mexico, 2290
KELLY, S.F., Geophysical exploration, 2844
KELLY, S.F., Geophysical exploration, 2844
KELLY, S.F., Origin of Salton volcanic domes, Salton Sea, California, 1403
KENSXY, K., See POGOY, K.S., 1991
"JUDGE INDEX 20"
SUBJECT INDEX
The subject index is based on the use of descriptors selected from a controlled thesaurus of terms. Subject descriptors and qualifiers (subheadings) are selected and presented in the following format:

**SUBJECT DESCRIPTOR/QUALIFIER**

**Title** (supplementary information), citation number (report number)

The title may be supplemented with additional words, or a phrase, if it appears additional information would be helpful. In cases for which the title contains little or no information related to the subject entry, it may be replaced entirely by the supplementary information. A qualifier is not always required, and in such cases the title will follow the unqualified subject descriptor.

The descriptors selected for use as subject terms are generally the names of specific materials, things, and processes. To the extent possible, a qualifier is selected to describe the properties of, or processes applied to, the subject term in the index entries, rather than words that may appear in the article. Within the available thesaurus terms, the most probable and logical place to look for typical information is selected. However, users of the index should consider synonymous or closely related terms.

### AERIAL PROSPECTING/DIGITAL SYSTEMS

Miniaturized digital data acquisition system for high resolution magnetometer surveying, 2105

### AFRICA

See also ALGERIA

CENTRAL AFRICAN REPUBLIC

CONGO PEOPLES REPUBLIC

EGYPTIAN ARAB REPUBLIC

ETHIOPIA

KENYA

MADAGASCAR

MALAWI

MAROC

NIGERIA

SOUTH AFRICA

SOUTHERN RHODESIA

TANZANIA

TUNISIA

UGANDA

ZAIRE REPUBLIC

ZAMBIA

### AFRICA/GEOLGY

Afar triangle, 1510

AFRICA/GEOTHERMAL EXPLORATION

Role of modern sensor application in the United Nations resource exploration and evaluation programs, 2193

Terrestrial heat flow in Lake Malawi, Africa, 1902

AFRICA/GEOTHERMAL FIELDS

Afar triangle, 1510

AFRICA/GEOTHERMAL RESOURCES

Afar triangle, 1010

Geothermal resources of Rwanda, 568

Terrestrial heat flow in Lake Malawi, Africa, 1902

AFRICA/HOT SPRINGS

Carbon dioxide-bearing hot springs in the Songwe River Basin, Tanzania, 285

Hydro and hot spring investigation progress report, 488

Hot springs investigation progress report (80-105°F), 2347

Thermal waters of Mount Whol, 1454

Underground water at the present time. Their regime, temperature, and composition from the viewpoint of the role they play in the economy of the Earth's crust, 1952

### AIR CONDITIONING/GEOTHERMAL ENERGY

Geothermal cooling urged for Managua, 3362

AIR POLLUTION/RESEARCH PROGRAMS

President's message on supply of energy and clean air, also fact sheet from Office of the White House Press Secretary, 278

ALASKA/FUMAROLES

Acid gases and incrustations in the Valley of Ten Thousand Smokes (Katmai, Alaska), 2298

Geology of Sitkin Island, Alaska, 811

Objectives, methods, and progress of Alaskan (Aleutian Islands) volcanic investigations of the U.S. Geological Survey, 800

Seismic refraction profiles of the ash flow in the Valley of Ten Thousand Smokes, Katmai National Monument, Alaska, 873

Valley of Ten Thousand Smokes, 769

Valley of Ten Thousand Smokes, 771

Valley of Ten Thousand Smokes, 776

ALASKA/GEOPHYSICAL SURVEYS

Fault patterns in southeastern Alaska, 815

Seismic refraction profiles of the ash flow in the Valley of Ten Thousand Smokes, Katmai National Monument, Alaska, 873

ALASKA/GEOTHERMAL RESOURCES

Temperature-measurement studies, South Barrow test well 1, 1774

ALASKA/GEOTHERMAL EXPLORATION

Geothermal measuring circuit, 1714

ALASKA/GEOTHERMAL RESOURCES

Potential for geothermal energy development in Alaska, 398

ALASKA/GEYSERS

Alaska, an empire in the making, 767

Valley of Ten Thousand Smokes, 769

ALASKA/HOT SPRINGS

Fault patterns in southeastern Alaska, 815

### AFRICA/GEOTHERMAL EXPLORATION

Objectives, methods, and progress of Alaskan (Aleutian Islands) volcanic investigations of the U.S. Geological Survey, 800

Volcanic activity on Umnak and Great Sitkin Islands, 1946-48, 1043

Volcanic activity on Umnak and Great Sitkin Islands, 1946-47, 1043

Volcanic activity on Akutan and Akutan Islands, 1056

ALASKA/FUMAROLES

Objectives, methods, and progress of Alaskan (Aleutian Islands) volcanic investigations of the U.S. Geological Survey, 800

Volcanic activity on Umnak and Great Sitkin Islands, 1946-48, 1043

Volcanic activity on Umnak and Great Sitkin Islands, 1946-47, 1043

Volcanic activity on Akutan and Akutan Islands, 1056

Volcanoes and travel in various parts of the world during the years 1803, 1804, 1805, 1806, and 1097. Parts 1 and 2, 952

ALASKA/VOLCANOES

See also AMCHITKA ISLAND AREA

ALEUTIAN ISLANDS/FUMAROLES

Objectives, methods, and progress of Alaskan (Aleutian Islands) volcanic investigations of the U.S. Geological Survey, 800

Volcanic activity on Umnak and Great Sitkin Islands, 1946-48, 1043

FORESTRY

AFRICA/GEOLOGY

Afar triangle, 1510

AFRICA/GEOTHERMAL EXPLORATION

Role of modern sensor application in the United Nations resource exploration and evaluation programs, 2193

Terrestrial heat flow in Lake Malawi, Africa, 1902

AFRICA/GEOTHERMAL FIELDS

Afar triangle, 1510

AFRICA/GEOTHERMAL RESOURCES

Afar triangle, 1010

Geothermal resources of Rwanda, 568

Terrestrial heat flow in Lake Malawi, Africa, 1902

AFRICA/HOT SPRINGS

Carbon dioxide-bearing hot springs in the Songwe River Basin, Tanzania, 285

Hydro and hot spring investigation progress report, 488

Hot springs investigation progress report (80-105°F), 2347

Thermal waters of Mount Whol, 1454

Underground water at the present time. Their regime, temperature, and composition from the viewpoint of the role they play in the economy of the Earth's crust, 1952

### AIR CONDITIONING/GEOTHERMAL ENERGY

48 INDEX
Solution of certain problems relating to the formation of thermal waters of artesian basins on the basis of thermodynamic calculations and isotopic composition, 2495

ASIA
See also CHINA
INDIA
INDONESIA
IRAN
JAPAN
PAKISTAN
PHILIPPINES
REPUBLIC OF KOREA
SOUTH VIETNAM
SRI LANKA
TAIWAN
THAILAND
TURKEY

ASIA/ENERGY SOURCES
Energy in our region, 626
ASIA/GEOTHERMAL RESOURCES
Energy in our region, 626

ASIA/GEOTHERMAL SPRINTS
Underground waters at the present time. Their regime, temperature, and composition from the viewpoint of the role they play in the economy of the Earth's crust, 1526

ASIA/GEOTHERMAL WATERS
Hydrovolcanism (Relation of thermal waters to tectonics and salt domes), 1335

ATLANTIC OCEAN
See also CARIBBEAN SEA
NORTH SEA

ATLANTIC OCEAN/ELECTROPHYSICAL SURVEYS
Tag hydrothermal field, 2274

ATLANTIC OCEAN/GEOTHERMAL RESOURCES

ATLANTIC OCEAN/HEAT FLOW
Heat flow between the Caribbean Sea and the Mid-Atlantic Ridge, 1544
New heat-flow measurements in Caribbean and western Atlantic, 1259

ATLANTIC OCEAN/HYDROTHERMAL SYSTEMS
Silica and fluoride over the tag hydrothermal field (Trans-Atlantic geotraverse), 2631
Tag hydrothermal field, 2632
Tag hydrothermal field (Trans-Atlantic geotraverse), 2632

ATLANTIC OCEAN/ICEBERGS
Sea floor geothermal measurements from Vema Cruise 25. Technical reports Nos. 2 and 4, Jan-Apr 1968, 1652 (AU-743993)

ATLANTIC OCEAN/SEDIMENTS
Tag hydrothermal field, 2274

ATLANTIC OCEAN/TEMPERATURE DISTRIBUTION

ATMOSPHERIC PRECIPITATIONS/ISOTOPE RATIO
Nonoili, a high-temperature thermal area in Iceland, 2516

AUSTRALIA
See also TASMANIA

AUSTRALIA/ARTESSIAN BASINS
Relationships of geothermal gradients to geological features in the Great Artesian Basin, Australia, 1295

AUSTRALIA/ENERGY SOURCES
Alternative energy sources: a research challenge, 1 (CONF-730560-1)
Energy in our region, 626

AUSTRALIA/ELECTROPHYSICAL SURVEYS
Geothermal measurements at Point Isa, Queensland, 2716

AUSTRALIA/GEOTHERMAL RESOURCES
Energy in our region, 626

AUSTRALIA/GEOTHERMAL WATERS
Geothermal measurements at Point Isa, Queensland, 2716
Heat flow in snow mountains of Australia, 1998
Heat-flow values from eastern Australia, 1841

AUSTRALIA/HOT SPRINGS
Summary of mineral and thermal waters in Australia, 1462

AUSTRALIA/MINERAL SPRINGS
Summary of mineral and thermal waters in Australia, 1462

AUSTRALIA/HERALD WATERS
Underground water in East Gippsland, 1184

BIBLIOGRAPHIES/ELECTRIC POWER

AUSTRIA/HEAT FLOW
Geothermal data from Vienna Basin, 1956

AUSTRIA/HOT SPRINGS
Report on the present state of our knowledge with respect to mineral and thermal waters, 1004

AZORES ISLANDS/GEOPHYSICAL SURVEYS
Deep drilling in an active geothermal area in the Azores, 2763

AZORES ISLANDS/GEOTHERMAL RESOURCES
Deep drilling in an active geothermal area in the Azores, 2763

BARBADOS/HOT SPRINGS
Pools of the Azores (Boiling springs), 1061

AZORES ISLANDS/PETROLEUM
Deep drilling in an active geothermal area in the Azores, 2763

BAROUM/ABUNDANCE
Hygienic features of geothermal waters used as the municipal water supply in Maknakhala, 2014

BARUM CHLORIDES/ELECTRIC CONDUCTIVITY
Conductivity of mixed aqueous electrolytes (KCl-NaCl-H 2 O, Pb(NO 3 ) 2-KNO 3 -H 2 O, BaCl 2-KCl-H 2 O, KCl-NaCl-H 2 O), 3776

BARUM CHLORIDES/HEAT FLOW
Heat conductivity of rocks in Iceland: Sr-isotopes and rare-earth elements in late and postglacial volcanics, 2621

BARUM/ISOTOPE RATIO
Isotopic composition of lead in volcanic rocks from central Honshu -- with regard to basalt genesis, 2556

BARUM/GEOTHERMAL RESOURCES
Petrogenetic relationships of acidic and basic rocks in Iceland: Sr-isotopes and rare-earth elements in late and postglacial volcanics, 2621

BARUM/ISOTOPE RATIO
Isotopic composition of lead in volcanic rocks from central Honshu -- with regard to basalt genesis, 2556

BARUM/HYDROTHERMAL ALTERATION
About water and basaltic nages, 3507
Hydrothermal alteration of basaltic andesite and other rocks in drill hole G5-6, Steamboat Springs, Nevada, 695
Lauomine and potassium feldspar pseudomorphs after laumontite in druses of spilites from Nurbornseealb (Lahn-Dill region), 3751
Minerals of Steamboat Springs, Nevada, 2812

BARUM/ISOTOPE RATIO
Isotopic composition of lead in volcanic rocks from central Honshu -- with regard to basalt genesis, 2556

BARUM/GEOTHERMAL RESOURCES
Pedogenetic relationships of acidic and basic rocks in Iceland: Sr-isotopes and rare-earth elements in late and postglacial volcanics, 2621

BARUM/ISOTOPE RATIO
Isotopic composition of lead in volcanic rocks from central Honshu -- with regard to basalt genesis, 2556

BARUM/GEOTHERMAL RESOURCES
Petrogenetic relationships of acidic and basic rocks in Iceland: Sr-isotopes and rare-earth elements in late and postglacial volcanics, 2621

BARUM/ISOTOPE RATIO
Isotopic composition of lead in volcanic rocks from central Honshu -- with regard to basalt genesis, 2556

BARUM/HYDROTHERMAL ALTERNATION
About water and basaltic nages, 3507
Hydrothermal alteration of basaltic andesite and other rocks in drill hole G5-6, Steamboat Springs, Nevada, 695
Lauomine and potassium feldspar pseudomorphs after laumontite in druses of spilites from Nurbornseealb (Lahn-Dill region), 3751
Minerals of Steamboat Springs, Nevada, 2812

BARUM/ISOTOPE RATIO
Isotopic composition of lead in volcanic rocks from central Honshu -- with regard to basalt genesis, 2556

BARUM/GEOTHERMAL RESOURCES
Petrogenetic relationships of acidic and basic rocks in Iceland: Sr-isotopes and rare-earth elements in late and postglacial volcanics, 2621

BARUM/ISOTOPE RATIO
Isotopic composition of lead in volcanic rocks from central Honshu -- with regard to basalt genesis, 2556

BARUM/GEOTHERMAL RESOURCES
Petrogenetic relationships of acidic and basic rocks in Iceland: Sr-isotopes and rare-earth elements in late and postglacial volcanics, 2621

BARUM/ISOTOPE RATIO
Isotopic composition of lead in volcanic rocks from central Honshu -- with regard to basalt genesis, 2556
53 INDEX

Boreholes/Lithology
  Lithologic logs of the UCE-2, UCE-3, and UCE-16, drillholes, Stone Cabin and Monitor Valleys, Nye County, Nevada, 2727

Boreholes/Magnetic Water
  Geothermal brine well, mile-deep drill hole may tap ore-bearing magnetic water and rocks undergoing metamorphism, 1209

Boreholes/Mass Transfer
  Borehole measurements, 2679

Boreholes/Measuring Instruments
  Construction of complex digital borehole apparatus and some fields of application, 2140
  Deep hole scientific instruments and measurements for Project Mohnole, 2710
  Electrical coring: method of determining borehole data by electrical measurements, 1678

Boreholes/Planning
  Deep drilling in the USSR for scientific purposes, 2711

Boreholes/Pressure Measurement
  Development of a theory of the Wairakei geothermal field by the "simplest cases first" technique, 1486
  Steam borings in Kesh Kurudz, 2666

Boreholes/Rock Drilling
  Rock Drilling
  Drilling of boreholes using air as circulating medium in Czechoslovakia, 3126
  Stabilization time of the thermal regime disturbed by drilling of a borehole, 3120
  Zone of disturbance of the thermal state of rocks by drilling a borehole, 2694

Boreholes/Sampling
  Portable sampler for collecting water samples from specific zones in uncased or screened wells, 1617

Boreholes/Seismic Surveys
  Method of rhyolithostratigraphic correlation of materials from geophysical investigations of boreholes and from seismic exploration, 2014
  Observation of microseismic activity with a deep well seismometer (second paper), 2887
  Possibilities of utilizing the seismic boreholes for geothermal measurement, 2699

Boreholes/Seismicity
  Simplified variant of methods of correlating seismic observations in boreholes, 2005

Boreholes/Temperature Gradients
  Temperature distribution study in a thin-layered aquifer, 3108
  Underground temperatures at great depths, 3870

Boreholes/Temperature Measurement
  Computerized temperature decay - an asset to temperature logging, 2726
  Convective flow and its effect on temperature logging in small-diameter wells, 2072
  Deep thermal flux in Kolhiye lowland, 2653
  Establishment of the temperature field in rock after borehole drilling, 2682
  Geothermal measurements (USSR), 1680
  Geothermic investigations in the Hungarian plain, 1726
  Important method of study of the Earth's interior, 2683
  Results of terrestrial heat flow measurements in Hungary, 1732
  Stabilization time of the thermal regime disturbed by drilling of a borehole, 3106
  Temperature gradient in the world's deepest well, 2666
  Temperature measurements with an electrical resistance thermometer in a deep borehole on the East Sand, 1690
  Temperature and heat flow in a well near Colorado Springs, 1970
  Terrestrial heat flow in the territory of Czechoslovakia and the measurement of thermal conductivity with fully-automatic apparatus, 2072
  Terrestrial heat balance in Iceland (Thermal)
Boreholes/temperature gradients

INDEX

- Gradient 0.1°C/m, heat flow 4–5 μcal/cm² sec, 1713
- Thermal and electrical resistivity investigations of the dunes of the geothermal anomaly, Imperial Valley, California, 2221
- Topographic correction in geothermal prospecting, measurement of gradient at Matsue, 1886

Boreholes/temperature measurement

- Additional evidence on the relation of temperature to structure in the Salt Creek Oil Field, Natrona County, Wyoming, 1015
- Apparatus for the measurement of temperatures in deep wells by means of maximum thermometers, 1666
- Apparatus for geothermal measurements in boreholes (Mercury thermometer), 1698
- Attempt to determine thermal field in shallow boreholes, 2079
- Borehole temperature measuring equipment and the geothermal gradient in deep boreholes, 2257
- Characteristics of the temperature field of salt deposits of the Caspian depression, 728
- Comparison of the results of measurement by electrical and maximum thermometers, 1812
- Computation of terrestrial heat flow in a well near Colorado Springs, 1748
- Computers to increase the value of temperature logs, 2724
- Continuous temperature—logging equipment, 2706
- Contributions to geothermics from deep wells, 2729
- Deep-earth temperature in the United States, 1667
- Determination of the time for reaching temperature equilibrium and the geothermal gradient in deep boreholes, 2721
- Dissipation of the temperature effect of drilling a well in Arctic Alaska, 2667
- Distribution of temperature in the rocks near the bottom of a well being drilled, 1636
- Effect of drilling fluid on temperatures measured in boreholes, 2691
- Electrical thermometer for depths to 750 m; new apparatus for measuring crooked boreholes, 1675
- Electrical coring: method of determining bottom-hole data by electrical measurements, 1678
- Electrical thermometer with a single core cable, 1665
- Exploration of subsurface temperature in Iceland, 1820
- Features of thermal investigations in wells, 1620
- Geology and geothermal temperature appeared at the test boring of Mt. Matsuoka hot-spring health center, 1121
- Geothermal zonation of west Siberian artesian basin, 1147
- Geothermal prospecting in shallow holes and its limitations, 2743
- Geothermal structure in the Awara hot spring area, Fukui prefecture, 2696
- Geothermal measuring circuit, 1714
- Geothermal survey of hot ground near Lordsburg, New Mexico, 1723
- Geothermal characteristics of the Carpathian Peninsula and some areas of the eastern Carpathians, 2006
- Geothermal measurements in wells, 2658
- Geotermograph for a well with elevated temperature, 1823
- Heat flow in boreholes, 1111
- Heat flow and precision temperature measurements in boreholes, 2079
- Heat flow transducer for thermal surveys, 2260
- Improved electric thermometer for deep measurements, 1750
- Instrument for measuring vertical temperature profiles in small boreholes, 2698
- Interpretation of gas compositions from the Wairakei field over 10 years, 3243
- Investigation of the recorded bottom hole temperatures while running logs, 1740
- Investigation by drilling on the geothermal area of Dake Hot Spring, Fukushina Prefecture, 2176
- Lead-compensated thermistor probe, 1622
- Lightweight geothermal temperature measuring equipment for resistance thermometers, 1815
- Maximum- and minimum-thermometer for use at great depth, 1710
- Maximum temperatures recorded in wellbores, 2725
- Measurement of borehole temperature—effect of geologic structure in the Salton Sea, South California Desert, 2697
- Measurement of temperature in boreholes, 1670
- Measurement of temperature in boreholes, 3858
- Measurement of geothermal gradients in boreholes, 1741
- Method of studying geothermals, 1934
- Method of thermal well logging, 2259
- New borehole thermometer, 1770
- Note concerning the taking of measurements of temperature in boreholes, 1669
- Optoelectronic meter for contactless temperature measurement in boreholes, 2650
- Origin and development of methods of thermometric research in boreholes in Azerbaidjan (Differential electronic thermometers), 1920
- Physical investigations, 1979
- Physical measurements and methods in boreholes, 2664
- Possibilities of measuring rock temperature in ultra-deep boreholes, 2654
- Possibility of measuring of geothermal gradients in shallow drillholes, 2123
- Probe response and continuous temperature measurements, 2086
- Problem of determining principal geothermal parameters, 1787
- Procedure of underground geothermal investigations on ore deposits, 2112
- Results of well temperature tests in Wyoming, 2527
- Review of Red Sea heat flow (in discussion on the structure and evolution of the Red Sea and the nature of the Red Sea, Gulf of Aden, and Ethiopia rift junctions), 2247
- Steam borings in Kawah Kasouj, 2666
- Temperature inversions in geothermal systems, 1971
- Temperature transients in flowing boreholes, 2506
- Temperature in world's deepest wells, 2655
- Temperature data from exploratory boreholes at the supplemental test site, Central Nevada
- Interim Report, 1971
- Temperature-measurement studies, South Barrow test well t, 1774
- Temperature measurements with an electrical resistance thermometer in a deep borehole on the East Rand, 1690
- Temperature measurements in a mine on the Witwatersrand with an electrical resistance thermometer, 1700
- Temperature measurements in deep wells of the Pripet Trough, 2742
- Terrestrial heat flow in Khetri copper belt, Rajasthan, India, 1910
- Thermal behavior of Mesozoic and Cenozoic sediments in eastern part of west-Siberian plains, 1766
- Thermal coring of wells, 2661
- Thermal investigations in drill holes (Description of equipment and methods), 3211
- Thermoelectric thermometer for measuring at great depths, 3878
- Time necessary for a borehole to attain temperature equilibrium (Method for calculating), 3114
- Underground temperatures at great depths, 3870
- Upshiner Counties, 1966

Boreholes/temperature monitoring

- Exploration of subsurface temperature in Iceland, 2378
- Using nuclear resonance to sense temperature, 1763

Boreholes/thermal diffusion

- Dissipation of the temperature effect of drilling a well in Arctic Alaska, 3462

Boreholes/thermal equilibrium

- Determination of the time for reaching temperature equilibrium and the geothermal gradient in deep boreholes, 2721

Boreholes/thermal stresses

- Thermal stresses around a wellbore and their small effect on velocity logging, 2697

Boreholes/well logging

- Borehole surveying, 1750
- Computerized temperature decay — an asset to temperature logging, 2728
- Continuous temperature — logging equipment, 2706
- Determination of the thermophysical properties of rocks as a means of logging during drilling, 1824
- Determination of porosity and clay content of productive strata from radioactive logging data, 2758
- Electrical well logging, review of well-logging methods, 2066
- Electrofiltration potentials in wells in geothermal areas (in physics of the New Zealand thermal areas), 2385
- Exploration of super-deep boreholes, 2146
- First results of geophysical and geochronological exploration of super-deep boreholes, 2148
- Formation evaluation by inspection with the borehole televiewer, 2747
- Forthcoming problems of geophysical methods of investigation of sections of wells, 2576
- Geology of geothermal test hole GT-2 on Teton Hill Site, July 1974, 2646
- Geophysical logs from the Kilauea geothermal research drill hole, 2474
- Geophysical logs from the Kilauea geothermal research drill hole, 2576
- Interpretation and correlation of geophysical well logs with geology for instrumen, 2607
- Introduction to Schlumberger well logging, 2661
- Investigation of the recorded bottom hole temperatures while running logs, 1740
Logging of ultradepth boreholes, 2718
Physical measurements and methods in boreholes, 2664
Planning, drilling, and logging of Geothermals, 2627
Test hole GE-2, Phase I, 2647 (LA-5619-FR)
Report on physical logging investigations carried out in deep and ultradepth boreholes in the study district, 2909
Stabilized borehole gamma-spectrometer (in Yuzhnoye Geofizika), 2752
Studies of fractured reservoirs with the help of well logging techniques, 2740
Thermal conductivity of sediments from drill cores, boreholes, and geophysical logging, 2761
Thermal stresses around a wellbore and their main effect on velocity logging, 2697
Use of borehole polarization sensors in electronic logging, 2734
Well Logging Methods Conference, 2668
BORIC ACID/BY-PRODUCTS
Borax-bearing geysers of Tuscany, 2930
Tuscan boracic "Soffiani" and their development at Larderello, 2957
BORIC ACID/INDUSTRIAL PLANTS
Utilization of geothermal energy in the production of boric acid and by-products from the Larderello Soffiani, 2935
BORIC ACID/PRODUCTION
Steam power plants, volcanic, 3004
Utilization of the borax-bearing springs (Serrazzano plant), 2929
BORIC ACID/RECOVERY
Borax-bearing geysers of Tuscany, 2956
Fumaroles and boiling springs of Tuscany and the borax industry, 2300
Natural steam at Larderello, Italy, 2904
Utilization of geothermal geysery in the production of boric acid and by-products from the Larderello Soffiani, 2935
BORON/ABUNDANCE
Boron in some New Zealand ground waters, 2366
Borax waters and rocks from New Zealand hydrothermal areas, 2400
Determination of boron in waters and soils of New Zealand, 2470
Geothermal waters of Arizona. Progress report, 364
Geothermal field of Larderello (Tuscany, Italy) (In 5 thermal waters), 2515
Original of boron in the ground waters of California, 2302
BORON/QUANTITY RATIO
Geochernistry among the methods of prospecuting for geothermal energy, 2590
BORON SILICATES/SYNTHESIS
Role of pH of hydrothermal solutions in the formation of borosilicates, 3800
BRASS/CORROSION
Corrosion of copper and its alloys in geothermal waters, 3180
Corrosion of copper and its alloys in geothermal waters, 3261
Corrosion of metals in geothermal waters, 3196
BRASS/FITTING CORROSION
Corrosion of metals in geothermal waters, 3196
BRAZIL/HOT SPRINGS
Aqua Quente de Itabirito, Minas Gerais, 1010
Aqua Santan hot spring, Tiredentes, Minas Gerais, 1053
BREEDER REACTORS
Summary of an assessment of new options in energy research and development, 18
BRINES
Production of chemicals from brine and seawater by geothermal energy, 2941
BRINES/BY-PRODUCTS
Plant project planned for developing geothermal brine, 659
BRINE/CHEMICAL COMPOSITION
Chemical composition of the hot salty water at the bottom of the Red Sea, 2426
Chemical characteristics of the hot spring waters in Akita Prefecture, 2370
Chemistry and origin of the brines of Lake Magadi, Kenya, 2563
Discussion - source fluids for Salton Sea geothermal system, 2597
Economic evaluation of Reykjavik thermal brine area, Iceland, 514
Exploitation of the Reykjanes thermal brine area, 2944
Forms of lead and zinc occurrence in thermal brines of the Cheyenne Wells district, 2945
Geochemical and thermodynamic characteristics of Salton Sea geothermal system, 1402
Geothermal brine drawn from Salton Sea, 2937
Geothermal brine well, mile-deep drill hole may tap ore-bearing magnetic water and rocks undergoing metamorphism, 1208
Geothermal brines, 2470
Hot brines as a recent heavy metal deposit in the Red Sea - geochemical and geophysical account, 1475
CALCITE/GEOTHERMOMETRY
Oxygen isotope geothermometry, 3539

CALCITE/ISOPORE RATIO
Isotopic composition of calcite and water from the Dunes - DWR No. 1 geothermal test corehole, Imperial Valley, California, 2012

Oxygen isotope study of calcite and silicates of the river ranch No. 1 well, Selton Sea geothermal field, California, 2496

Oxygen isotope geothermometry, 3539

Use of oxygen isotopes in high-temperature geological thermometry, 2385

CALCITE/SOLUBILITY
Deposition of hydrothermal quartz and calcite, 3542

Solubility of calcite in carbon dioxide solutions, 3465

Solubility of calcite in aqueous solutions - 1.

Solubility of calcite in water between 750 and 2000 °C, pressures up to 65 atm, 3514

Solubility of calcite in sodium chloride at high temperatures, 3524

CALCITE/SYNTHESIS
Composition and structure of recent hydrothermal green minerals in the Goryachii Piyagdez deposit, Kunashir Island, 1513

CALCIC/Absorption Spectroscopy
Geochemistry of Central American volcanic gas condensates, 2555

CALCIC/ABUNDANCE
Hydrous features of watered used as the municipal water supply in Makahka, 2514

Hydrothermal hot springs in Asu Caldera, 1109

CALCIC/Chemical Analysis
Releasing-adsorption method for the flame-spectrometric determination of calcium in thermal waters, 2420

CALCIC/GEOTHERMOMETRY
Empirical Na- -K- Ca geotemperature for natural waters, 2614

CALCIC/MAJOR REACTION ANALYSIS
On-line analysis and monitoring of water for geothermal power by neutron capture gamma rays using ANREC, 2619

CALCIC/PHASE STUDIES
Stability relations of anhydrite- quartz in the system calcium-silicon-oxygen-hydrogen, 3861

CALCIC/SOLUBILITY
Solubility of calcite in aqueous solutions - 1.

Solubility of calcite in water between 750 and 2000 °C, pressures up to 65 atm, 3514

CALCIC CARBONATES
See also ARAGONITE, CALCITE

CALCIC CARBONATES/DEPOSITION
Some investigations of the deposition of travertine from Hot Springs (Pt. 1. Isotopic chemistry of a travertine-depositing spring), 1504

CALCIC CARBONATES/DIFFUSION
Regular characteristics in formation of chemical composition of the travertine layer in the Ill syncline, 3776

CALCIC CARBONATES/GEOTHERMOMETRY
Na/Ca4/5 ratios of coexisting minerals in glauconite-bearing metasomatic rocks, 3653

CALCIC CARBONATES/ISOPORE RATIO
Some investigations of the deposition of travertine from Hot Springs (Pt. 1. Isotopic chemistry of a travertine-depositing spring), 1504

CALCIC CARBONATES/PRECIPITATION
Agency of algae in the deposition of travertine and silica from thermal waters, 783

Corrosion of geothermal systems and measures for controlling it, 3186

Phyco-chemical sampling of high-temperature wells in connection with their encrustation by calcium carbonate, 3189

CALCIC CHLORIDES/RECOVERY
Production of chlorides from brine and seawater using geothermal energy, 3941

CALCIC CHLORIDES/HEAT RELEASE PROPERTIES
Activity coefficients of potassium chloride in several mixed electrolyte solutions at 25°C, 3771

CALCIC COMPOUNDS/ABUNDANCE
Formation mechanism of thermal springs studied by the analysis of their chemical compositions, 2503

Geothermal survey of Souknyo district in Mt. Tasokot area, Hokkaido, Japan, 111. HGS-1 test well, 2587

Hot spring water of Shinobu Takayu Spa, Fukushima Prefecture, Japan, 2637

CALCIC COMPOUNDS/QUANTITY RATIO
Hot springs in Aomori Prefecture, 2, 2531
Preliminary geothermal model of the Sierra Nevada, 867
Structure of Mono Basin, California, 904
Through the logging glass - comparative study of New Zealand and California, 700
CALIFORNIA/GEOPHYSICAL SURVEYS
Remote sensing geophysics from Skylab. Monthly Memorandum, 1656 (June
Thermal conductivity of sediments from drill chips, cores, and geophysical log parameters of thermal anomalies in the Mono Basin, 2761
CALIFORNIA/GEOTHERMAL ENERGY
California laws for the conservation of geothermal energy (Chapter 1433, Statutes of California), 1977
California power to come from hot rocks, 199
Geothermal development in California; past, present, and future, 309
Geothermal activity in 1972, 346
Meeting California's energy requirements, 1975-1980, 341
Mineral production in California, 379
New California geothermal power report (Economics of geothermal research), 255
New California geothermal power report, 230
Oil, gas and geothermal production statistics, 1971, 268
Oil, Gas and Geothermal Production Statistics, 1972, 396
Public hearing on geothermal energy and associated mineral resources, 2770
Search for hot rocks; geothermal exploration, northwest, 1640
CALIFORNIA/GEOTHERMAL EXPLORATION
Application of electrical resistivity and gravimetry in deep geothermal exploration (Imperial Valley), 1981
Application of the self-potential method in the exploration for geothermal energy in Long Valley, California, 2227
Application of the Na-K-Ca geothermometer to the Great Salt Lake and the Imperial Valley, California, 2637
Audio-magnetotelluric sounding as a reconnaissance exploration technique in Long Valley, California, 2226
California Mining Review 1967 (During 1967), 1627
California's geothermal resources (Legal and technological status), 2777
California laws for the conservation of geothermal energy; an act to amend the headings of Chapter 4, and to add to Chapter 5, Division 3, of the Public Resources Code, relating to geothermal resources, 2778
Developments in west coast area in 1971, 315
Developments in west coast area in 1973, 1958
Exploration for geothermal resources (Mesa anomaly), 1639
Exploration for geothermal systems in the Imperial Valley area, California, using the Na-K-Ca geothermometer, 2623
Exploration and development of geothermal power in California, 294
Exploration for geothermal power, 2155
Geological investigations at the Mono thermal area, 890
Geothermal resources development (During 1965), 218
Geothermal resources development, 208
Geothermal resources (in California Mining Review) (During 1968), 241
Geothermal ground-noise surveys, 219
Geothermal energy (in mineral resources of California), 219
Geothermal resources - foundation for a potentially significant new industry in California, 164
Geothermal resources in California - potentials and problems, 164 (PB-212753)
Geothermal investigations in the Imperial Valley, California, 2162
Geothermal leasing program, considers impact of leasing and operating conditions to implement the Geothermal Steam Act of 1970 and leasing of 3 areas in California, Draft environmental impact statement, 2975 (PB-203012-3)
Infrared investigations, status report, 1661 (N-67-39313)
Mono Lake geothermal wells abandoned, 320
Multi-sensor investigation of selected California geothermal areas, 1987
Noise measurements in a geoenera area, 216
Now we're drilling for steam (in the Salton Sea), 2706
Potential applications of nuclear explosives to the recovery of geothermal energy, Progress report for fiscal year 1966, 3288 (USGS-285-2)
Progress report on electrical resistivity studies, C050 Geological Area, Inyo County, California, 1655 (AO-76452-9)
Progress report on electrical resistivity studies, cose geothermal area, Inyo County, California. Technical publication, 1654 (AO-76452)
Prospecting for heat in Long Valley, 1641
Search for hot rocks; geothermal exploration, northwest, 1645
Seismic noise survey in Long Valley, California, 2228
Thermal and electrical resistivity investigations of the dunes geothermal anomaly, Imperial Valley, California, 2331
Total-Field resistivity map of Long Valley, California, 2229
CALIFORNIA/GEOTHERMAL FIELDS
Crustal spreading in southern California, 922
Delineation of geothermal deposits by means of long-spacing resistivity and airborne magnetic surveys (Closed-loop cross-pow analysis, Imperial Valley), 222
Environmental impact statement for the geothermal leasing program; draft, 2904
Geochemistry of thermal waters in Long Valley, California, 2606
Geological investigations at the Mono thermal area, 893
Geothermal energy (in mineral resources of California), 219
Geothermal steam potential of the Mount Lassen area, 243
Gravity data for EGS stations in Long Valley and vicinity, California. Preliminary report 1968-70, 1663 (PB-231699)
Investigation of geothermal waters in the Long Valley area, Mono County (Casa Diablo geothermal area), 2486
Microearthquakes in and near Long Valley, California, 1557
Mono Lake geothermal wells abandoned, 310
Multi-sensor investigation of selected California geothermal areas, 1987
Progress report on electrical resistivity studies, cose geothermal area, Inyo County, California. Technical publication, 1654 (AO-76452)
Prospecting for heat in Long Valley, 1641
Pumice, pumicite, and volcanic cinders in California (Quaternary volcanics products), 813
Reseem of Oil, Gas, and Geothermal Field Operations in 1971, 308
Steam wells, 661
The structure and behavior of geothermal fields, 247
Volcanism and geochronology of Long Valley, California, 927
CALIFORNIA/GEOTHERMAL GRADIENTS
Downward increase of temperature in the rocks of the crust, 1691
Geothermal gradients in California wells, 1693
Geothermal gradients in California wells, 1694
CALIFORNIA/GEOTHERMAL POWER PLANTS
Requirements for assessing the climatic impact of geothermal development in Lake County, California, 2116
CALIFORNIA/GEOTHERMAL RESOURCES
Administrative laws of California's State Land Commission; regulations pertaining to geothermal resources, 219
Application of remote sensing to geothermal prospecting, 2004
California's bright geothermal future; great state planning opportunity, 176
California mining review, 258
California public resources code: statutes pertaining to geothermal resources, 2018
Compendium of first day papers presented at the First Conference of the Geothermal Resources Council, El Centro, California, Feb 1972, 319
Design and operation of The Geysers Power Plant, 3057
Developments in west coast area in 1973, 1690
Dinner Session, Thursday, 10 May 1973, 1670
Economic mineral deposits in the coast ranges, 840
Foreign and domestic discussions on natural geothermal power and potential, 1974 Congress to stimulate these natural systems, 3272 (SNW-9-110)
Geothermal leasing program. Volume II: Leasing of geothermal resources in three California areas. Final environmental impact statement, 2066 (EIS-CA-73-1661-7-2-0A)
Geothermal leasing program. Volume IV. Appendix I. Comments on draft impact statement and proposed regulations. Final environmental impact statement, 2767 (EIS-CA-73-168) - Final environmental impact statement, 2768 (EIS-CA-168-1-7-3-6A).

Appendix J through H. Proposed geothermal leasing and operating regulations. Final environmental impact statement, 2768 (EIS-CA-168-1-7-3-6A).

Geothermal resources in California—potentials and problems, 281.

Geothermal resources in California, 32,000 kw power capacity (1970), 285.

Geothermal resources as a source of water supply, 2946.

Geothermal resources in California, 222.

Geothermal energy. Energy technology review No. 4, 29.

Geothermal resources; series of articles, 170.

Geothermal resources, 262.

Investigation of the availability of geothermal energy for the decentralization of saline water in California, 197.

Lassen National Park; industrial park out of a national park, 952.


New California geothermal power report, 230.

Overview of geothermal energy developments, 362.

Preliminary appraisal of ground water in storage with reference to geothermal resources in the Imperial Valley area, CA, 917.

Ranking research problems of geothermal development. Research and development progress report, 1502 (PB-204625).

Role of state government in the development of a geothermal resource, 2804.

Salton Sea geothermal province, 316.

Through the looking glass — comparative study of New Zealand and California, 700.

What's involved in the new steam play, 2936.

CALIFORNIA/GEOTHERMAL SYSTEMS.

Geothermal activity and crustal deformation in the Supervolcanic area, they relate, 1976.

CALIFORNIA/GEOTHERMAL WELLS.

Geothermal brine well, nine-hole drill hole way tap ore-bearing magnetic water and rocks undergoing metamorphism, 1299.

How hottest hole was drilled, 3122.

Steam wells, 681.

CALIFORNIA/GEOTHERMAL RESOURCES.

Evidence of a San Diego Bay-Tijuana fault, 889.

Structure of Mono Basin, California, 904.

CALIFORNIA/GEOTHERMAL RESOURCES.

Original depth of borehole in the ground waters of California, 2362.

CALIFORNIA/HEAT FLOW.

Preliminary geothermal model of the Sierra Nevada, 867.

Rupture mechanics on the Hayward fault (summary), 1434.

CALIFORNIA/HOT SPRINGS.

Calistoga Silver Mines, 405.

Contra Costa County, 185.

Economic deposits of the San Jacinto quadrangle, 766.

Geology and mineralogy of Shasta County, 807.

Geothermal hydrography of Auro Caliente Spring, Palm Springs, California, 829.

Geology of the McEuen Quadrangle, California, 194.

Geothermal resource investigations, Imperial County, 1978.

CALIFORNIA/HEAT FLOW.

Geochemistry of the Little Antelope area, Mono County, California, 2332.

Geothermal hydrography (Wendel Hot Springs), 3559.

Inyo County, 178.

Mono County, 188.

Isotopic geochemistry of hot springs, 2326.

Kern County, 191.

Lassen County, 182.

Mersy contents of natural thermal and mineral fluids, 2372.

Minerals and mineral resources of Monterey County, California, 229.

Mono County, 189.

Mojave Desert, 179.

Point Arena hot springs, 657.

Point arena hot springs, 666.

Report on the geology of portions of California, Nevada, Utah, Colorado, New Mexico, and Arizona. Examined in the years 1871, 1872, and 1873, 943.

Riverside County, 190.

San Diego County, 178.

Santa Barbara County, 177.

Santa Barbara County, 196.

Tahoe County, 101.

Thermal and mineral waters of nonautochthon origin, California coast ranges, 2616.

Tulare County, 180.

Ventura County, 184.

Ventura County, 192.

Violent mud volcano eruption of Lake City hot spring, Modoc County, California, 1065.

CALIFORNIA/HYDROLOGY.

Electromagnetic depth sounder, 2108.

CALIFORNIA/INFRARED SURVEYS.

Geologic evaluation of thermal infrared imagery. Caliente and Tambor Ranges, southern California, 724.

Infrared survey of the Pisgah Crater area, San Bernardino County, California — geologic interpretation, 895.

CALIFORNIA/LAND LEASING.

California laws for the conservation of geothermal energy, as part to amend the heading of Chapter 4, and to add to Chapter 3, Division 3, of the Public Resources Code, relating to geothermal resources, 2776.

CALIFORNIA/LEGISLATION.


CALIFORNIA/MICROEARTHQUAKES.

Energy for the demineralization of saline water and crustal deformation in the Pisgah Crater area, San Diego County, California, 1065.

CALIFORNIA/MINERAL RESOURCES.

Economic mineral deposits in the coast ranges, 840.


Mineral production in California, 379.

Public hearing on geothermal energy and associated mineral resources, 2779.

Report on the borax deposits of California and Nevada, 2900.

Salton sea geothermal wells yield steam power and mineral rich brine, 205.

CALIFORNIA/MINERALS.

California mining review, 256.

Geology and mineralogy of Shasta County, 407.

CALIFORNIA/PETROLEUM.

California mining review, 256.

CALIFORNIA/PUBLIC LANDS.

Administrative laws of California's State Land Commission; regulations pertaining to geothermal resources, 2819.

California public resources code; statutes pertaining to geothermal resources, 2819.

CALIFORNIA/REGULATIONS.

Administrative law of California's resources agency; portion of the directions for preparing environmental impact reports, 2820.

Role of state government in the development of a geothermal resource, 2804.

CALIFORNIA/SEISMIC SURVEYS.

Structure of Mono Basin, California, 904.

CALIFORNIA/SPINDLE.

Carbon dioxide gas occurrence in Mendocino and northern Sonoma counties, 2310.

Evidence of a San Diego Bay-Tijuana fault, 889.

Geochemistry of thermal waters in Long Valley, California, 2686.

Mercury deposit in Coso Range, Inyo County, California, 994.

Review of knowledge of metalliferous brines and related deposits, 256.

Sonoma County, 772.

CALIFORNIA/SONOMA.

Volcanism and geochronology of Long Valley Caldera, Mono County, California, 927.

CALIFORNIA/SPINDLE.

Violent mud volcano eruption of Lake City hot springs, Modoc County, California, 1065.

CALIFORNIA/SURFACE WATER RESOURCES.

Geothermal resource investigations, Imperial Valley, CA, developmental concepts, 321.

Geothermal resources as a source of water supply, 2948.

CALIFORNIA/SURFACE WATER RESOURCES.

Geothermic calorimeter of steaming ground in thermal areas, 1744.

CANA.

See also BRITISH COLUMBIA.

CALIFORNIA/GEOPHYSICAL SURVEYS.

Geothermal measurements in northern Canada, 2205.

CALIFORNIA/GEOThermal EXPLORATION.

Exploration and economic potential of geothermal steam in western Canada, 618.

CALIFORNIA/GEOThermal GRADIENTS.

Temperature gradients in Canadian shield, 426.

CALIFORNIA/GEOThermal RESOURCES.

Evidence of volcanism in Canada and prospects for geothermal energy, 622.

Evidence of volcanism in Canada and prospects for geothermal energy, 630.

Exploration and economic potential of geothermal steam in western Canada, 618.

CALIFORNIA/HOT SPRINGS.

Next flow west of the Juan de Fuca Ridge, 2118.

Next-flow variations across the Sonoma fracture zone, 2210.

CALIFORNIA/HOT SPRINGS.

Mineral and thermal waters of Canada, 1468.

Mineral springs of Alaska, 1468.

On the chemical character of some surface waters of Alaska, by Richard B. Dale and Alfred R. Chambers, 768.
Mineral and geothermal exploration activities of the United Nations resources and transport division in Latin America, 77

CERRO PRIETO GEOTHERMAL FIELD/FRESH WATER
Production of fresh water from the endogenous area of Cerro Prieto geothermal field, 3723

CERRO PRIETO GEOTHERMAL FIELD/GEOCHEMICAL SURVEYS
High-activity hydrothermal zones detected by Na/K, Rb and Cs analyses, 3723 and 3724

Location of zones of maximum hydrothermal activity by measurement of chemical proportions, 3723

Cerro Prieto geothermal field of Baja California, Mexico, 1916

CERRO PRIETO GEOTHERMAL FIELD/GEODESIC SURVEYS
Location of zones of maximum hydrothermal activity by measurement of chemical proportions, 3723

Cerro Prieto geothermal field of Baja California, Mexico, 1916

CERRO PRIETO GEOTHERMAL FIELD/GEOPHYSICAL SURVEYS
Geophysical survey in geothermal area of Cerro Prieto geothermal field, 3725

Location of zones of maximum hydrothermal activity by measurement of chemical proportions, 3723

Cerro Prieto geothermal field of Baja California, Mexico, 1916

CERRO PRIETO GEOTHERMAL FIELD/GEOTHERMAL WELLS
Chemical changes in geothermal well M-20 (Steam-water discharge rate 600 tons/hr, 460 lbm/s at 16 km depth and pressure), 3240

Chemical changes in geothermal well M-20, Cerro Prieto, Mexico, 3240

Mexico: geothermal development (Power potential), 53

Project report on recent developments of geothermal energy and volcanology in Mexico, 469

Well M-3 in geothermal field of Cerro Prieto, Baja California, Mexico, 3238

CERRO PRIETO GEOTHERMAL FIELD/GRAvITY SURVEYS
Geothermal zone of the Cerro Prieto, Baja California, Mexico, 509

CERRO PRIETO GEOTHERMAL FIELD/MAGNETIC SURVEYS
Aeromagnetic survey of Mexicali-Cerro Prieto geothermal area, 2188

Exploration significance of recent geophysical surveys in the Mexicali-Cerro Prieto geothermal area, 2198

CERRO PRIETO GEOTHERMAL FIELD/PERFORMANCE
Geothermal plant of Cerro Prieto, B.C., Mexico, and problems encountered during its development, 3068

CERRO PRIETO GEOTHERMAL FIELD/SEISMIC SURVEYS
Geothermal zone of the Cerro Prieto, Baja California, Mexico, 509

CERRO PRIETO GEOTHERMAL FIELD/WELL DRILLING
Geothermal zone of the Cerro Prieto, Baja California, Mexico, 509

Geothermal plant of Cerro Prieto, B.C., Mexico, and problems encountered during its development, 3068

Cesium/Abundance
Cesium and other alkali elements in thermal waters of the Tatun volcanic region (80 to 200 °C temperature), 574

Deuterium and chloride in geothermal studies in Iceland, 2549

Formation mechanism of thermal springs studied by the analysis of their chemical compositions, 3545

Geochemistry of bromine and iodine in New Zealand thermal springs, 404

Geochemical and geological features of the thermal springs of Gornja Trepca, 1479

Genetic nature of the distribution of radium, radon, and radon daughters in natural waters, 2562

Cesium CHLORIDES/HEAT TRANSFER
Thermal diffusion of 114 cesium electrolytes in ordinary and heavy water, 3797

Cesium IODIDES/SOLUTION HEAT
Use of automated titrimetry for analyses of...
<table>
<thead>
<tr>
<th>CHLORIDES/CHEMICAL ANALYSIS INDEX</th>
<th>62</th>
</tr>
</thead>
<tbody>
<tr>
<td>natural water, 2568</td>
<td></td>
</tr>
<tr>
<td>CLAY/PHASE STUDIES</td>
<td></td>
</tr>
<tr>
<td>'Transitions to the liquid state' preceding the</td>
<td></td>
</tr>
<tr>
<td>friture of metastable states of water and</td>
<td></td>
</tr>
<tr>
<td>solutions of MgCl2 and KCl, 263</td>
<td></td>
</tr>
<tr>
<td>CLAY/QUANTITY RATIO</td>
<td></td>
</tr>
<tr>
<td>Chemistry on Akita Prefecture, 2, 2531</td>
<td></td>
</tr>
<tr>
<td>CLAY/ABUNDANCE</td>
<td></td>
</tr>
<tr>
<td>Geochemical study of iodine in volcanic gases, 2540</td>
<td></td>
</tr>
<tr>
<td>Geo- and hot springs of Kurayu geothermal area, Akita Prefecture, 820</td>
<td></td>
</tr>
<tr>
<td>Hygienic features of geothermal waters used as the</td>
<td></td>
</tr>
<tr>
<td>municipal water supply in Makishika, 2514</td>
<td></td>
</tr>
<tr>
<td>Sulphur isotope ratios in relation to</td>
<td></td>
</tr>
<tr>
<td>volcanological and geothermal problems, 2446</td>
<td></td>
</tr>
<tr>
<td>Uchimoshki hot springs in Aso Caldera, 1199</td>
<td></td>
</tr>
<tr>
<td>CLAY/ION SPECTROSCOPY</td>
<td></td>
</tr>
<tr>
<td>Geochemistry of Central American volcanic gas condensates, 2553</td>
<td></td>
</tr>
<tr>
<td>CLAY/NUCLEAR REACTION ANALYSIS</td>
<td></td>
</tr>
<tr>
<td>Cm-line analysis and monitoring of water for</td>
<td></td>
</tr>
<tr>
<td>geothermal energy by neutron capture gamma rays using</td>
<td></td>
</tr>
<tr>
<td>24CFC, 2191</td>
<td></td>
</tr>
<tr>
<td>CLAY/QUANTITY RATIO</td>
<td></td>
</tr>
<tr>
<td>Geochemistry among the methods of prospecting for</td>
<td></td>
</tr>
<tr>
<td>geothermal energy, 2590</td>
<td></td>
</tr>
<tr>
<td>CLAY COMPOUNDS/ABUNDANCE</td>
<td></td>
</tr>
<tr>
<td>Hydrogeological study of the Same Hot Springs at</td>
<td></td>
</tr>
<tr>
<td>Yunoosawa, Akita Prefecture, Japan, 1471</td>
<td></td>
</tr>
<tr>
<td>CLAY ISOTOPE/ISOTOPE RATIO</td>
<td></td>
</tr>
<tr>
<td>Determination of the chlorine-35/chlorine-37 ratio in Beppu hot spring water by fast neutron activation analysis, 2526</td>
<td></td>
</tr>
<tr>
<td>CLAY MINERALS</td>
<td></td>
</tr>
<tr>
<td>Chlorite from Middle Paleozoic bauxites of the</td>
<td></td>
</tr>
<tr>
<td>Turkestan-Alai territory, 3768</td>
<td></td>
</tr>
<tr>
<td>CLAY MINERALS/ABUNDANCE</td>
<td></td>
</tr>
<tr>
<td>Clay minerals of hydrothermally altered sediments, 3765</td>
<td></td>
</tr>
<tr>
<td>CLAY MINERALS/ORIGIN</td>
<td></td>
</tr>
<tr>
<td>Hydrothermal alteration product of olivine problem of</td>
<td></td>
</tr>
<tr>
<td>iddingsitization, 3613</td>
<td></td>
</tr>
<tr>
<td>CLAY MINERALS/PHASE STUDIES</td>
<td></td>
</tr>
<tr>
<td>Phase relations of chlorites in the system</td>
<td></td>
</tr>
<tr>
<td>MgO-Al2O3=SiO2=H2O, 3573</td>
<td></td>
</tr>
<tr>
<td>CLAY MINERALS/SYNTHESIS</td>
<td></td>
</tr>
<tr>
<td>Composition and structure of recent</td>
<td></td>
</tr>
<tr>
<td>hydrothermal green minerals in the Goryachi Piyaz</td>
<td></td>
</tr>
<tr>
<td>deposit, Kunashir Island, 1513</td>
<td></td>
</tr>
<tr>
<td>Hydrothermal minerals in Goryachi Piyaz,</td>
<td></td>
</tr>
<tr>
<td>Kunashir island, 1512</td>
<td></td>
</tr>
<tr>
<td>Hydrothermal ore deposits,</td>
<td></td>
</tr>
<tr>
<td>Typosomic minerals of recent</td>
<td></td>
</tr>
<tr>
<td>hydrothermal systems, 3806</td>
<td></td>
</tr>
<tr>
<td>CHLORATE/CHEMICAL REACTION KINETICS</td>
<td></td>
</tr>
<tr>
<td>Use of a method of comparative calculation of</td>
<td></td>
</tr>
<tr>
<td>salt solutions at high parameters, 3744</td>
<td></td>
</tr>
<tr>
<td>CLAY</td>
<td></td>
</tr>
<tr>
<td>See also CLINOPTILOLITE</td>
<td></td>
</tr>
<tr>
<td>ILLITE</td>
<td></td>
</tr>
<tr>
<td>KAOLIN</td>
<td></td>
</tr>
<tr>
<td>CLAY/CHEMICAL PROPERTIES</td>
<td></td>
</tr>
<tr>
<td>Soil solution and stability of clay minerals, 3794</td>
<td></td>
</tr>
<tr>
<td>CLAY/ELECTRIC CONDUCTIVITY</td>
<td></td>
</tr>
<tr>
<td>Analysis of errors in logging parameters and</td>
<td></td>
</tr>
<tr>
<td>their effects on calculating water saturation,</td>
<td></td>
</tr>
<tr>
<td>their effects on calculating water saturation,</td>
<td></td>
</tr>
<tr>
<td>2791</td>
<td></td>
</tr>
<tr>
<td>CLAY/ELECTRICAL PROPERTIES</td>
<td></td>
</tr>
<tr>
<td>Electrical parameters for clay samples in the</td>
<td></td>
</tr>
<tr>
<td>frequency and temperature dependence (first</td>
<td></td>
</tr>
<tr>
<td>results), 2252</td>
<td></td>
</tr>
<tr>
<td>CLAY/ELECTRICAL SURVEYS</td>
<td></td>
</tr>
<tr>
<td>Method for determining porosity and</td>
<td></td>
</tr>
<tr>
<td>solid conducting inclusions from resistivity logging</td>
<td></td>
</tr>
<tr>
<td>data, 2511</td>
<td></td>
</tr>
<tr>
<td>CLAY/GEOCHEMISTRY</td>
<td></td>
</tr>
<tr>
<td>Geochemistry and hydration of clay minerals,</td>
<td></td>
</tr>
<tr>
<td>Rio Aneca, Mexico, 3709</td>
<td></td>
</tr>
<tr>
<td>CLAY/HYDROTHERMAL ALTERATION</td>
<td></td>
</tr>
<tr>
<td>Hydrothermal products formed from montmorillonite clay systems, 3124</td>
<td></td>
</tr>
<tr>
<td>CLAY/LITHOLOGY</td>
<td></td>
</tr>
<tr>
<td>Clay minerals of hydrothermally altered sediments, 3925</td>
<td></td>
</tr>
<tr>
<td>CLAY/MINERALIZATION</td>
<td></td>
</tr>
<tr>
<td>Clay mineral formation in mud pots,</td>
<td></td>
</tr>
<tr>
<td>Yellowstone Park, Wyoming, 553</td>
<td></td>
</tr>
<tr>
<td>CLAY/PHYSICAL PROPERTIES</td>
<td></td>
</tr>
<tr>
<td>Dependence of properties of clay suspensions on the</td>
<td></td>
</tr>
<tr>
<td>mineralogical type of clay soil, 3669</td>
<td></td>
</tr>
<tr>
<td>CLAY/POSSIBILITY</td>
<td></td>
</tr>
<tr>
<td>Method for determining porosity and solid</td>
<td></td>
</tr>
<tr>
<td>conducting inclusions from resistivity logging data, 2515</td>
<td></td>
</tr>
<tr>
<td>CLAY/SUSPENSIONS</td>
<td></td>
</tr>
<tr>
<td>Thermodynamic properties of water in suspensions of montmorillonite, 3523</td>
<td></td>
</tr>
<tr>
<td>CLAY/SYNTHESIS</td>
<td></td>
</tr>
<tr>
<td>Aragonitization by descending acid at Steamboat Springs, Nevada, 939</td>
<td></td>
</tr>
<tr>
<td>CLAY/THERMAL CONDUCTIVITY</td>
<td></td>
</tr>
<tr>
<td>First determination of the thermal conductivity</td>
<td></td>
</tr>
<tr>
<td>of clays by means of a cylindrical probe, 3501</td>
<td></td>
</tr>
<tr>
<td>Technique of studying thermal properties of rocks and calculating heat flow values in the Crimea, 1924</td>
<td></td>
</tr>
<tr>
<td>CLINOPTILOLITE/CHEMICAL ANALYSIS</td>
<td></td>
</tr>
<tr>
<td>Clinoptilolite from Japan, 3764</td>
<td></td>
</tr>
<tr>
<td>CLINOPTILOLITE/COMPOSITION</td>
<td></td>
</tr>
<tr>
<td>Composition and origin of clinoptilolite in the</td>
<td></td>
</tr>
<tr>
<td>Hot Kamenchewa tuff of Rumi, Hokkaido, 3767</td>
<td></td>
</tr>
<tr>
<td>CLINOPTILOLITE/NATURAL OCCURRENCE</td>
<td></td>
</tr>
<tr>
<td>Clinoptilolite from Japan, 3764</td>
<td></td>
</tr>
<tr>
<td>CLINOPTILOLITE/ORIGIN</td>
<td></td>
</tr>
<tr>
<td>Composition and origin of clinoptilolite in the</td>
<td></td>
</tr>
<tr>
<td>Hot Kamenchewa tuff of Rumi, Hokkaido, 3767</td>
<td></td>
</tr>
<tr>
<td>COAL</td>
<td></td>
</tr>
<tr>
<td>See also COAL GASIFICATION</td>
<td></td>
</tr>
<tr>
<td>See also COAL LIQUEFACTION</td>
<td></td>
</tr>
<tr>
<td>LIGNITE</td>
<td></td>
</tr>
<tr>
<td>COAL/DESULFURIZATION</td>
<td></td>
</tr>
<tr>
<td>Assessment of SO2 control</td>
<td></td>
</tr>
<tr>
<td>alternatives and implementation</td>
<td></td>
</tr>
<tr>
<td>patterns for the electric</td>
<td></td>
</tr>
<tr>
<td>utility industry, 2877</td>
<td></td>
</tr>
<tr>
<td>COAL/IN-SITU PROCESSING</td>
<td></td>
</tr>
<tr>
<td>Instrumentation systems development for in situ</td>
<td></td>
</tr>
<tr>
<td>processing, 3106 (SLA-72-919)</td>
<td></td>
</tr>
<tr>
<td>COAL GASIFICATION/RESEARCH PROGRAMS</td>
<td></td>
</tr>
<tr>
<td><em>Prospecting for energy</em> - introduction and survey, 109</td>
<td></td>
</tr>
<tr>
<td>Assessing advanced methods of generation, 2987</td>
<td></td>
</tr>
<tr>
<td>COAL GASIFICATION/IN-SITU GASIFICATION</td>
<td></td>
</tr>
<tr>
<td>Land, sea, and air. Survey of</td>
<td></td>
</tr>
<tr>
<td>auxiliary sources of energy for electricity generation</td>
<td></td>
</tr>
<tr>
<td>(includes geothermal, underground</td>
<td></td>
</tr>
<tr>
<td>gasification, tidal power, wind power, and</td>
<td></td>
</tr>
<tr>
<td>solar energy), 40</td>
<td></td>
</tr>
<tr>
<td>COAL GASIFICATION/RESEARCH PROGRAMS</td>
<td></td>
</tr>
<tr>
<td>COAL GASIFICATION/REVIEWS</td>
<td></td>
</tr>
<tr>
<td>Preliminary study on the Ruiz Geothermal project (Colombia), 1484</td>
<td></td>
</tr>
<tr>
<td>COAL/GASIFICATION</td>
<td></td>
</tr>
<tr>
<td>Heat flow from eastern Panama and</td>
<td></td>
</tr>
<tr>
<td>northwestern Colombia, 2259</td>
<td></td>
</tr>
<tr>
<td>COAL/GASIFICATION/REVIEWS</td>
<td></td>
</tr>
<tr>
<td>Temperature and heat flow in a well near Colorado Springs, 1702</td>
<td></td>
</tr>
<tr>
<td>COLORADO/EARTHQUAKES</td>
<td></td>
</tr>
<tr>
<td>Denver area earthquakes and the</td>
<td></td>
</tr>
<tr>
<td>Rocky Mountain Arsenal disposal</td>
<td></td>
</tr>
<tr>
<td>well, 2698</td>
<td></td>
</tr>
<tr>
<td>Man-initiated earthquakes (Effects of deep-underground liquid waste disposal on</td>
<td></td>
</tr>
<tr>
<td>earthquakes near Denver), 2698</td>
<td></td>
</tr>
<tr>
<td>Relationship of effect of waterflooding of the</td>
<td></td>
</tr>
<tr>
<td>Tengely oil field on seismicity, 2898</td>
<td></td>
</tr>
<tr>
<td>Some statistical features of the relationship</td>
<td></td>
</tr>
<tr>
<td>between Rocky Mountain Arsenal waste disposal and frequency of earthquakes, 2897</td>
<td></td>
</tr>
<tr>
<td>COLORADO/GEODESIGNIC SURVEYS</td>
<td></td>
</tr>
<tr>
<td>Summary of geology of Colorado related to</td>
<td></td>
</tr>
<tr>
<td>geothermal energy potential, 933</td>
<td></td>
</tr>
<tr>
<td>COLORADO/GEOPHYSICAL SURVEYS</td>
<td></td>
</tr>
<tr>
<td>Computation of terrestrial heat flow in a</td>
<td></td>
</tr>
<tr>
<td>well near Colorado Springs, 1748</td>
<td></td>
</tr>
<tr>
<td>Geophysics of Colorado and geothermal energy, 934</td>
<td></td>
</tr>
<tr>
<td>COLORADO/GEOTHERMAL ENERGY</td>
<td></td>
</tr>
<tr>
<td>Developments in four corners-</td>
<td></td>
</tr>
<tr>
<td>intermountain area in</td>
<td></td>
</tr>
<tr>
<td>1973, 1651</td>
<td></td>
</tr>
<tr>
<td>COLORADO/GEOTHERMAL EXPLORATION</td>
<td></td>
</tr>
<tr>
<td>Geothermal resources of Colorado, 392</td>
<td></td>
</tr>
<tr>
<td>Geothermal resources of Colorado: summary, 314</td>
<td></td>
</tr>
<tr>
<td>COLORADO/GEOTHERMAL RESOURCES</td>
<td></td>
</tr>
<tr>
<td>Geophysics of Colorado and geothermal energy, 934</td>
<td></td>
</tr>
<tr>
<td>Geothermal resources of Colorado, 392</td>
<td></td>
</tr>
<tr>
<td>Geothermal energy and Colorado: an introduction, 379</td>
<td></td>
</tr>
<tr>
<td>Geothermal resources of Colorado: summary, 314</td>
<td></td>
</tr>
<tr>
<td>Geothermal resources of Colorado, 469</td>
<td></td>
</tr>
<tr>
<td>Geothermal resources of Colorado, 928</td>
<td></td>
</tr>
<tr>
<td>Proceedings of a symposium on geothermal energy and Colorado, Denver, Colorado, December 6, 1973, 25</td>
<td></td>
</tr>
<tr>
<td>Rules and regulations relating to geothermal leases on Colorado state owned lands, 2832</td>
<td></td>
</tr>
<tr>
<td>COLORADO/HOT FLOW</td>
<td></td>
</tr>
<tr>
<td>Computation of terrestrial heat flow in a well</td>
<td></td>
</tr>
<tr>
<td>near Colorado Springs, 1748</td>
<td></td>
</tr>
<tr>
<td>Geothermal studies in New Mexico and Southern Colorado, 2757</td>
<td></td>
</tr>
<tr>
<td>Heat flow in Colorado and New Mexico, 688</td>
<td></td>
</tr>
<tr>
<td>Temperature and heat flow in a well near Colorado Springs, 1762</td>
<td></td>
</tr>
<tr>
<td>COLORADO/HOT SPRINGS</td>
<td></td>
</tr>
<tr>
<td>Geothermal resources of Colorado, 920</td>
<td></td>
</tr>
<tr>
<td>DEVELOPING COUNTRIES/ENERGY SOURCES</td>
<td>63 INDEX</td>
</tr>
<tr>
<td>-------------------------------------</td>
<td>----------</td>
</tr>
<tr>
<td>3602</td>
<td>Study of equilibrium relations in the system Al$_2$O$_3$-SiO$_2$-H$_2$O and Al$_2$O$_3$-H$_2$O, 3601</td>
</tr>
<tr>
<td>3408</td>
<td>Hydrogen in geothermal fluids, 3408</td>
</tr>
<tr>
<td>3400</td>
<td>Geothermal energy and desalination: partners in progress, 3400</td>
</tr>
<tr>
<td>3377</td>
<td>DEUTERIUM/ABUNDANCE</td>
</tr>
<tr>
<td>3376</td>
<td>Deuterium and chlorine in geothermal studies in Iceland, 3376</td>
</tr>
<tr>
<td>3375</td>
<td>Isotopic geochemistry of thermal waters, 3375</td>
</tr>
<tr>
<td>3374</td>
<td>Oxygen and hydrogen isotope ratios of monthly collected waters from Nasudake volcanic area, Japan, 3374</td>
</tr>
<tr>
<td>3373</td>
<td>DEUTERIUM/ABUNDANCE</td>
</tr>
<tr>
<td>3372</td>
<td>Deuterium and chlorine in geothermal studies in Iceland, 3372</td>
</tr>
<tr>
<td>3371</td>
<td>Isotopic geochemistry of thermal waters, 3371</td>
</tr>
<tr>
<td>3370</td>
<td>Oxygen and hydrogen isotope ratios of monthly collected waters from Nasudake volcanic area, Japan, 3370</td>
</tr>
<tr>
<td>3369</td>
<td>DEVELOPING COUNTRIES/ENERGY SOURCES</td>
</tr>
<tr>
<td>3368</td>
<td>Water and energy, tidal energy, geothermal energy, and thermal energy of the seas (Monograph), 3368</td>
</tr>
<tr>
<td>3367</td>
<td>DEVELOPING COUNTRIES/ENERGY SOURCES</td>
</tr>
<tr>
<td>3366</td>
<td>Water and energy, tidal energy, geothermal energy, and thermal energy of the seas (Monograph), 3366</td>
</tr>
<tr>
<td>3365</td>
<td>DEVELOPING COUNTRIES/ENERGY SOURCES</td>
</tr>
<tr>
<td>3364</td>
<td>Water and energy, tidal energy, geothermal energy, and thermal energy of the seas (Monograph), 3364</td>
</tr>
<tr>
<td>3363</td>
<td>DEVELOPING COUNTRIES/ENERGY SOURCES</td>
</tr>
<tr>
<td>3362</td>
<td>Water and energy, tidal energy, geothermal energy, and thermal energy of the seas (Monograph), 3362</td>
</tr>
</tbody>
</table>
EARTH CRUST/GEOMORPHOLOGY

Terrestrial heat flow: Amercian Geophysical Union, Geophysical Monograph No. 6, 3553

EARTH CRUST/HEAT FLOW

Important method of study of the Earth's interior, 2683

Investigation of the electrical conductivity of rocks at high temperatures, 3519

EARTH CRUST/GEOTHERMAL GRADIENTS

Bottom-hole temperature measurement, 657

Continental crustal model and its geothermal implications, 3857

Dependence of temperature on the surface of the Earth on the altitude of the observation point, 2130

Downward increase of temperature in the rocks of the crust, 1591

Earth's thermal gradient, 746

Earth temperatures, buried hills, and antclinal folds, discussion, 3387

Effect of topography on superficial thermal gradients, 3669

Energy and power of geothermal resources, 1877

Estimation of geothermal energy potential, 99

Geothermal gradients and their significance: a review, 1813

Measurement of temperature gradient in the Earth, 1760

Possible dependence of deep-earth temperatures on geologic structure, 773

Present state of geothermal investigations, 1715

Relationship among terrestrial heat flow, thermal conductivity, and geothermal gradient, 2138

Relationship of chloride concentration in underground waters to subsurface temperature gradients, 3391

Reply (to comments on a paper by Ki-titi Horsu and Amau Hur, "Relationship among terrestrial heat flow, thermal conductivity, and geothermal gradient," 1970), 3791

Role of water in the thermal regime of surface layers, 3428

Significance of underground temperatures, 3392

Temperature gradients in the upper layers of the Earth's crust due to convective water flows, 3496

Temperature distribution and the possibility of the existence of a magma pocket in the upper mantle of the earth, 3469

Thermal studies as a technique in subsurface structural investigations, 3596

Underground temperatures at great depths, 3670

EARTH CRUST/HEAT FLOW

Application of the theory of heat conduction to geothermal measurements, 1847

Bottom-hole temperature measurement, 657

Certain speculations about the heat flow from below, 3465

Coefficient of thermal conductivity of some sediments, its dependence on density and on water-content of rocks, 3586

Conductivity variations and terrestrial heat-flow distribution, 3520

Continental crustal model and its geothermal implications, 3587

Determination of the heat conductivity of rocks in studying heat flows of the Earth, 1914

Earth's thermal gradient, 749

Earth heat flow measurements in last decade, 679

Geophysical heat flow measurements (principles and results), 1746

Geophysical deductions from observations of heat flow, 3552

Geothermal studies, 3486

Geothermal surveys in sedimentary rocks near Grants and Laguna, New Mexico, 1865

Geothermal gradients and their significance: a review, 1813

Geothermal problems. Book review, 3831


Heat conductivity in the mantle, 3661

Heat flow and distribution of deep temperatures in tectonically active belts of the earth, 3662

Heat flow from the Earth's interior depending on inner parameters variations, 3664

Heat flow in oceanic regions, 3665

Heat flow data analysis, 3562

Heat flow and tae dynamics of the Earth's interior, 3749

Historical introduction to terrestrial heat flow, 3552

Measurements of heat flow over land, 1781

Present state of heat flow observations, 1854

Rapid reconnaissance of heat-flow patterns in
Relationship among terrestrial heat flow, thermal conductivity, and geothermal gradient, 2125
Relationship of the distribution of heat flow to tectonic structures, 3623
Relationship of the thermal field to the structure and evolution of the Earth's crust and upper mantle, 3649
Reply to comments on a paper by Ki-titi Horal and Amos Nur, "Relationship among terrestrial heat flow, thermal conductivity, and geothermal gradient," 1970), 3791
Spherical harmonic analysis of terrestrial heat flow, 2346
Studies of terrestrial Earth, 1161
Techniques of measuring heat flow on land, 1556
Terrestrial heat flow measurements and the Earth's interior - Symposium, Canberra, Australia, 1969, Proceedings), 726
Earth's crust/melting
Investigations under hydrothermal conditions, 3443
Optimization of geophysical parameters, 3614
Earth's crust/temperature measurement
Temperatures in the Earth's upper mantle model with the radioactivity of chondritic meteorites, 3614
Earth's crust/temperature gradients
Adiabatic temperature gradient in the Earth's mantle, 3840
Earth's crust/mass transfer
Physical model of planetary magnetism, 3884
Earth's crust/heat transfer
Apparatus for determination of thermal currents, 1818
Heat flow and its relation to tectonic structures of continents, 3863
Origin and flow of heat, 1114
Physical model of planetary magnetism, 3884
Earth's crust/tectonics
Study of thermal convection and its possible relation to the circulation of fluids in the Earth, 3432
Earth's crust/mass transfer
Physical model of planetary magnetism, 3884
Earth's crust/melting
Partial melting in the upper mantle (in Phase transformations and the Earth's interior - Symposium, Canberra, Australia, 1969, Proceedings), 726
Earth's crust/metamorphism
Investigations under hydrothermal conditions, 3443
Earth's crust/geophysical properties
Optimization of geophysical parameters, 3614
Earth's crust/radioactivity
Geotherm studies, 3466
Earth's crust/strains
Effect of earth strain on geysers activity, 3469
Relationship between earth strain and geothermal activity, 4120
Earth's crust/tectonics
Geothermal problems, Book review, 2831
Heat flow and its relation to tectonic structures of continents, 3863
Earth's crust/temperature distribution
Geophysical deductions from observations of heat flow, 3552
Heat production, 3460
Problems of determination of basic geothermal parameters, 1863
Temperature field and geophysical effects of a downdraft slab, 3791
Temperature regime of the upper layers of the Earth's crust and USSR geotemperature maps, 1579
Earth's crust/temperature gradients
Internal temperature of the Earth, 3491
Study of thermal convection and its possible relation to the circulation of fluids in the Earth, 3432
Topographic correction in geothermal prospecting, measurement of gradient of heat flow, 3444
Earth's crust/temperature measurement
Geothermy in regional geology and in the study of the southern intertropical earthquakes, 3445
Investigations under hydrothermal conditions, 3443
Measurement of temperature gradient in the Earth, 1769
Significance of data on the radioactivity and heat generation activity of rocks in metallocenic investigations, 3473
Earth's crust/thermal conductivity
Coefficient of thermal conductivity in Earth's crust, 3456
Method and apparatus for locating geothermal sources of energy, 2258
New results in the field of deep magnetotelluric surveys, 3568
Reply to comments on a paper by Ki-titi Horal and Amos Nur, "Relationship among terrestrial heat flow, thermal conductivity, and geothermal gradient," 1970), 3791
Earth's crust/thermal radiation
Thermal infrared imagery for geologists, 1938

65 INDEX EL SALVADOR/GEOTHERMAL EXPLORATION

EARTH CRUST/THICKNESS
Crustal thickness in Kashmir, 1908
New results in the field of deep magnetotelluric surveys, 3584
EARTH CRUST/WATER
Water content in the crust and the hydrothermal reaction as a possible cause for the swarms-type earthquake, 2886
EARTH MANTEL/CONVECTION
Heat transfer and convection currents, 3543
EARTH MANTEL/EARTHQUAKES
Is it possible to prevent an earthquake-prediction is not enough (thermal stress relief by cold water injection underground), 3292
EARTH MANTEL/GEOPHYSICS
Heat transfer and convection currents, 3543
EARTH MANTEL/EARTHQUAKES
Is it possible to prevent an earthquake-prediction is not enough (thermal stress relief by cold water injection underground), 3292
EARTH MANTEL/GEOTHERMAL GRADIENTS
Critical thermal gradients in the mantle, 3855
Earth's thermal gradient, 2253
EARTH MANTEL/HEAT FLOW
Earth's thermal gradient, 2253
Heat flow in the Earth, 3796
Heat transfer through the ocean floor, 3544
Heat flow, anomalously high points of geoids and geotectonics in relation to fluctuations of the deep part of the Earth mantle, 3077
Relationship of heat flow to deep processes, 3647
EARTH MANTEL/HEAT TRANSFER
Relationship of heat flow to deep processes, 3647
EARTH MANTEL/MASS TRANSFER
Relationship of heat flow to deep processes, 3647
EARTH MANTEL/Temperature distribution
Temperature in the Earth's upper mantle model with the radioactivity of chondritic meteorites, 3614
EARTH MANTEL/Temperature gradients
Adiabatic temperature gradient in the Earth's mantle, 3840
EARTH MANTEL/Thermal conduction
Heat transfer and convection currents, 3543
EARTH PLANET/ENERGY SOURCES
Energy resources of the Earth, 94
EARTHQUAKES
See also microearthquakes
Earthquakes resulting from metastable phase transitions, 2803
Man-made earthquakes - way to understand natural seismic activity, 2893
Earthquakes/energy yield
Earthquakes, volcanoes and natural steam deposits (energy developed by gliding along faults), 1869
Earthquakes/forecasting
Fluid pressure variations and prediction of shallow earth-quakes, 905
Earthquakes/origin
Earthquakes induced by fluid injection and explosion (in Earthquake mechanics, a symposium, Madrid, Spain, 1969), 2899
Earthquakes/pressure dependence
Fluid pressure variations and prediction of shallow earth-quakes, 905
Earthquakes/seismic detection
Spectral characteristics of central Nevada microearthquakes, 2895
Use of microearthquakes in the study of the mechanisms of earthquake generation along the San Andreas fault in central California (in Earthquake mechanics, a symposium, Madrid, Spain, 1969), 903
Ecuador/fumaroles
Acid waters arising in volcanoes of cordilleras, 1573
Ecuador/hot springs
Acid waters arising in volcanoes of cordilleras, 1573
Ecuador/hot springs
Note on the hot springs of Ecuador, 2846
Egyptian Arab Republic/hot springs
Recent review of investigations on the thermal and mineral springs in the U.A.R., 1458
Egyptian Arab Republic/May et al. springs
Recent review of investigations on the thermal and mineral springs in the U.A.R., 1458
Eurasia/Tectonics
Tectonic studies of the Central American plate, 1574
El Salvador/fumaroles
Appraisal of the fumarolic activity near Ahauchapan, El Salvador, 1999
Fumaroles and thermal springs in the older volcanic mountains of El Salvador, 1101
Geological voyage in the Republics of Guatemala and El Salvador: Scientific mission to Mexico and in Central America, 1999
On some fumarolic and solfataric manifestations in El Salvador, Central America, 1058
Possibilities offered in the territory of the Republic of El Salvador in Central America in the field of 'endogenous forces', 1060
El Salvador/fumarolic fluids
Possibilities offered in the territory of the Republic of El Salvador in Central America in the field of 'endogenous forces', 1060
El Salvador/Geothermal exploration
Appraisal of the fumarolic activity near Ahauchapan, El Salvador, 1999
EL SALVADOR/GEOTHERMAL EXPLORATION INDEX 66

Exploration for geothermal energy in El Salvador, 1631
Geothermal energy in El Salvador, Central America, 2760
EL SALVADOR/GEOTHERMAL FIELDS
Geology of the Anahuanal geothermal area, El Salvador, Central America, 1939
Microearthquakes in the Anahuanal geothermal fields, El Salvador, Central America, 1962
Geophysical investigations necessary to evaluate their capacity, 1743
EL SALVADOR/GEOTHERMAL RESOURCES
Appraisal of the fumarolic activity near Anahuanal, El Salvador, 1999
Geothermal energy, 458
EL SALVADOR/HOT SPRINGS
Fumaroles and thermal springs in the older volcanic mountains of El Salvador, 1101
Geothermal aspects of thermal springs in El Salvador, 2186
Geological voyage in the Republics of Guatemala and El Salvador, 1979
Mutual relations between fumaroles and solfatara manifestations in El Salvador, Central America, 1940
Geothermal investigations in the territory of the Republic of El Salvador in Central America, 1980
EL SALVADOR/VOLCANIC
Geothermal voyage in the Republics of Guatemala and El Salvador, 1994
Scientific mission to Mexico and Central America, 1979
EL TATIO GEOTHERMAL FIELD/ELECTRICAL SURVEYS
Near-surface resistivity surveys of geothermal areas using the electromagnetic method, (Horizontal ‘open-loop technique), 2069
EL TATIO GEOTHERMAL FIELDS/GEODATA
Geology of the Tatio geysers geothermal area, Antofagasta Province, 1936
EL TATIO GEOTHERMAL FIELD/PHYSICAL SURVEYS
Investigation of natural steam resources in the region of Tatio, 1971
EL TATIO GEOTHERMAL FIELD/GEOTHERMAL WELLS
Drilling for underground steam (392°F steam from 200-ft deep well), 579
EL TATIO GEOTHERMAL FIELD/POWER POTENTIAL
Production of electrical energy from endogenous thermal sources of Tatio, Antofagasta Province, 421
ELECTRIC CONDUCTIVITY/MEASURING INSTRUMENTS
Frame for El Salvador, 1653
ELECTRIC CONDUCTIVITY/MEASURING METHODS
Electrical resistivity sounding with an L-shaped array, 2197
Investigation of methods of measuring specific electrical resistivity of rock samples for purposes of choosing optimum measuring schemes, 2008
ELECTRIC CONDUCTIVITY/PRESSURE DEPENDENCE
Effect of pore configuration, pressure and temperature on rock resistivity, 1879
ELECTRIC CONDUCTIVITY/TEMPERATURE DEPENDENCE
Effect of pore configuration, pressure and temperature on rock resistivity, 1879
ELECTRIC POWER
See also HYDROELECTRIC POWER
ELECTRIC ENERGY/ENERGY SOURCES
Geothermal power potential, 421
ELECTRIC POWER/POWER/DEMAND
Energy and the environment: potential crisis in energy supply, 3882
ELECTRIC POWER/POWER/GENERATION
Energy and the environment: potential crisis in energy supply, 3882
ELECTRIC POWER/SPACE HEATING
Geothermal power utilized at utility's Geysers electric power, 1962
ELECTRIC POWER/SPHERICAL HAT
Geothermal power utilized at utility's Geysers electric power, 1962
ELECTRIC SURVEYS
See also ELECTRIC SURVEYS
Application of electrical methods for bore-hole investigations, 2659
Electrical coring practices on the Gulf Coast, 1687
Interpretation of electrical prospecting by analog computer, 2015
Principles of geophysical prospecting by the radiokip method (Book: in Russian), 1761
Some results obtained with the method of induced percolate voltages (IPV), 2010
Thermal coring of wells, 2661
ELECTRIC SURVEYS/COMPUTER CALCULATIONS
Computer method of solving the inverse problem of electrical sounding (vertical electrical sounding), 1989
ELECTRIC SURVEYS/MEASURING INSTRUMENTS
Depth of investigation by electrical methods using linear electrodes, 2240
Measurement of Earth medium electrical characteristics: Techniques, results, and applications, 2259
New complex apparatus for electrical sounding, 1993
New Ge-geophone method, 2012
ELECTRIC SURVEYS/MEASURING METHODS
Actual proof of complex resistivity method by an indoor experiment with a water tank, 3727
Airborne resistivity mapping, 2176
Assessment of resistivity in geothermal exploration, 2176
Controlled-source telluric current technique and its application to structural investigations, 2101
MOrency surveys, 2177
Efficient method of measuring the phase parameter in two-frequency electrical sounding, 2103
Electrical resistivity in geothermal exploration, 2202
Electrical well logging, review of well-logging methods, 2666
Electrical exploration for geothermal reservoirs, 2156
Enhancing the noise resistance of electrical survey apparatus, 1994
Geophysical studies on thermal waters by the vertical electrical sounding method, 1690
Interpretation of dipole-dipole resistivity surveys using a hemispherical model, 2221
Interpretation of vertical electrical soundings - resistivity samplings and parametric soundings, 2011
Measurement of Earth medium electrical characteristics: Techniques, results, and applications, 2269
New method for differential resistivity sounding, 1990
Some problems of deep electrical sounding procedures, 2094
Suggested method for subsurface testing by electrical resistivity measurements, 2119
ELECTROLYTES/CHLORIDE REACTIONS
Evaluation of irreversible reactions in geothermal processes involving minerals and aqueous solutions, thermodynamic relations, 3635
ELECTROLYTES/THERMODYNAMIC PROPERTIES
Prediction of osmotic and activity coefficients for electrolyte mixtures at elevated temperatures, 3379 (GRNL-4999)
Thermodynamic properties of electrolyte solutions, 3775
ELEcTRONIC ELECTRONEUTRALITY IN TERNARY SYSTEMS
Differential cryoscopy in ternary systems, 3775
ELECTRO-MAGNETIC SURVEYS
Basin method of field build-up sounding in the near zone, 2151
Geothermal master curve effects by both electrical frequency dispersion and temperature, 2267
Theoretical aspects of electromagnetic induction methods, 2115
ELECTROMAGNETIC SURVEYS/MEASURING INSTRUMENTS
Geothermal master curve effects by both electrical frequency dispersion and temperature, 2267
ELECTROMAGNETIC SURVEYS/MEASURING METHODS
Five-component magnetotelluric method for geothermal exploration; the M.T.-S.E.;, 2220
Unified magnetos-electromagnetic exploration method; Part I, 2236
ELECTROMAGNETIC SURVEYS/RECORDING SYSTEMS
Widespread detection of electrodynamical recording system, 2243
ELECTROMAGNETIC SURVEYS/RELIABILITY
Electromagnetic depth sounder, 2108
ENERGY
Comments on the two-feldspar geothermometer, 3676
Comments on 'comments on the two-feldspar geothermometer' by P.M. Orville, 3594
Comments on the 'two-feldspar geothermometer' and k-feldspar obliquity, 3492
Correlate the geothermometric mineral study, 3527
Examples of the use of the two-feldspar geothermometer of T. Barth for formation analysis of granitic rocks, 3810
feldspar geologic thermometers, 3475
feldspar geologic thermometers, 3421
Igneous plagioclase thermometer, 3726
Kudo-Weill geothermometer and porphyritic glass, 3707
Observations on natural feldspars, randomly disordered structures and a preliminary suggestion to a plagioclase thermometer, 3506
Partitioning of sodium between coexisting k-feldspar and plagioclase from some metasomatic rocks, 3675
Practice of measuring the paleotemperature of granite by Barth's method, 3376
Problem of determining the temperatures of formation of rocks by T. Barth, 3511
Separation of perthitic microcline by heavy liquid fractionation, a too sensitive method, 3593
Two-feldspar geothermometer, 3762
Use of calcic plagioclases in geologic thermometry, 3431
FELDSPARS/HYDROTHERMAL ALTERATION
Alteration of effusive rocks during an experiment in geothermal wells, 3686
Argillization by descending acid at Steamboat Springs, Nevada, 939
Hydrothermal alteration as an aid in investigating geothermal fields, 1494
Hydrothermal alteration of basaltic andesite and other rocks in drill hole GS-6, Steamboat Springs, Nevada, 695
Hydrothermal alteration of feldspars in acid solutions between 300 and 400°C, 3490
Hydrothermal alteration in some granodiorites, 3468
Kinetics of alteration of k-feldspar and its application to the alteration zoning, 3862
FELDSPARS/ION EXCHANGE
Alkali ion exchange reaction between alkali feldspars and hydrothermal solutions; replacement vs. cation exchange, 3759
FELDSPARS/ISOTOPE RATIO
Comments on oxygen isotope geothermometry, 2662
Oxygen isotopic composition of minerals from leucite gneisises, Valle Bodengo (Provo. di Sondrio, Italia), 3603
FELDSPARS/PALAIOL STUDIES
Analcime-ambibole equilibria, 3557
Equilibrium between hydrothermal solutions and feldspars of the series KAlSi3O8-ROAl2Si2O10 at 600°C and pressure of 1000 bars, 3799
Relation of the sodium-potassium ratio in thermal waters to the equilibria of feldspars and analcime, 3829
FELDSPARS/PRECIPITATION
Genesis of hydrothermal potassium feldspar (adularia) in an active geothermal environment at Wairakei, New Zealand, 2506
FELDSPARS/SYNTHESIS
Evolution of physicochemical conditions during the hydrothermal mineralization stage, 3639
Hydrolysis reactions in the silicate dioxides; excess portion of the system potassium oxide-aluminum oxide-silicon dioxide-water in chloride fluids at magmatic conditions, 3648
Hydrothermal ore deposits. Typosropic minerals of recent hydrothermal systems, 3806
Hydrothermal synthesis of alkali feldspars, 3811
Mode for feldspathization in shear zones, 3830
FIJI/GEOTHERMAL ENERGY
Geothermal heat shows possible use in the Fiji Islands, 2934
FIJI/GEOTHERMAL RESOURCES
Hot springs and geothermal resources of Fiji, 460
FIJI/HOT SPRINGS
Geology of Viti Levu, Fiji, 1000
Geothermal heat shows possible use in the Fiji Islands, 2934
Hot springs and geothermal resources of Fiji, 460
Water from a hot spring, Fiji Islands, 2639
FLORIDA/GEOTHERMAL RESOURCES
Heat flow near Orlando, Florida and Uvalde, Texas determined from well cuttings, 2195
FLORIDA/GEOTHERMAL SURVEYS
Heat flow near Orlando, Florida and Uvalde, Texas determined from well cuttings, 2195
FLUID FLOW/NATURAL CONVECTION
Study of thermal convection and its possible relation to the circulation of fluids in the Earth, 2430
FLUORIDES/ABUNDANCE
Formation mechanism of thermal springs studied by the analysis of their chemical compositions, 2565
Silica and fluoride over the tag hydrothermal
FUMAROLES/NEW ZEALAND

INDEX 70

FUMAROLES/NEW ZEALAND

Examination of sulfur isotopic ratios in the geothermal and volcanic environment, 2463
Geology of New Zealand, 979
Geology of the Rotomu - Taupo subdivision, Rotomu and Kaimanawa Divisions, 1006
Rotomu District, 988
Sketch of the geology of New Zealand, 1591

FUMAROLES/ORIGIN

Fumarolic-hot spring and 'epithermal' mineral deposit environment, 682

FUMAROLES/OKTAKE GEOTHERMAL FIELD

Relation between altered zones and fumaroles and hot springs in the Oktake thermal region, Sita Prefecture, 1070

FUMAROLES/REVIEWS

Fumaroles, hot springs, and hydrothermal alteration, 674
FUMAROLES/SALTIN SEA

Mud volcanoes and Colorado desert, 1590
Origin of Saltston volcanic domes, Saltston Sea, California, 1993

FUMAROLES/TÉRMINES DE TEMPERATURAS

Mud volcanoes and Colorado desert, 1590
Origin of Saltston volcanic domes, Saltston Sea, California, 1993

FUMAROLES/THERMAL MEASUREMENT

Geochemical indicators of subsurface temperature. Part I. Basic assumptions, 2624
Subsurface discharge from thermal springs, 667

FUMAROLES/PHYSICALPROPERTIES

Compositions of ammonium (minerals) in the geothermal zone, 2998

FUMAROLES/PHYSICALPROPERTIES

Hydrothermal activity in the Kambalny Range in southern Kamchatka, 1259
Old volcanic in southeastern Kamchatka with recent hydrothermal manifestations, 1253

FUMAROLES/HYDROGEOLOGY

Tremors observed at active volcano, gyser, and fumarole, 2888
Fumaroles, 2888

FUMAROLES/WEST INDIES

Some heat measurements in West Indian soufrières, 1897

FUMAROLES/YELLOWSTONE NATIONAL PARK

Occurrence of sulphur, orpiment, and realgar in the Yellowstone National Park, 2641
Yellowstone quakes, 2870

FUMAROLIC FLUIDS/CHEMICAL ANALYSIS

Collection and analysis of volcanic and hydrothermal gases, 2550
Geochemistry of Central American volcanic gas condensates, 2555

FUMAROLIC FLUIDS/CHEMICAL COMPOSITION

Acid gases and increases in the Valley of Ten Thousand Smokes (Katmai, Alaska), 2298
Akinomiya—Minase thermal area, Akita Prefecture, 1074
Anomalous isotopic composition of helium in volcanic gases, 2511
Application of sulfur isotope ratios to volcanological and geological problems, 2428
Behavior of silicon, aluminum, iron, magnesium, calcium, sodium, and potassium in fumarolic gas at the Mihoora Volcano, Japan, 1382
Boron-containing fumaroles of Tuscany, 1069
Cassiterite as a fumarolic product of Etna, 2482
Chemical composition of fumarole gases obtained from lava, 2374
Chemical composition of volcanic gases in Japan, 2698

FUMAROLIC FLUIDS/FLUID-MIXTURES

Chemical equilibrium in magmatic gases, 3450
Chemical nature of some fumarolic gases from Jukuknara area of Tatalyama volcano, Toya Prefecture, central Japan, 2493
Chemical nature of fumarolic gases of volcano Shumagin, Hokkaido, Japan, 2386
Chemical prospecting of hot springs areas for utilization of geothermal steam, 2417
Chemistry of thermal waters and gases in Iceland, 2442
Chemistry of eruptive gases, 2576
Compositions of basaltic (minerals) in the geothermal zone, 2598
Endotheses of HCl and H2 in volcanic emissions, 2571
Examination of sulfur isotopic ratios in the geothermal and volcanic environment, 2463
Fumaroles and boiling springs of Tuscany and the borax industry, 2300
Fumarolic-hot spring and 'epithermal' mineral deposit environment, 662
Gas sampling and analysis techniques of volcanic fumaroles, 2369
Geochemical study of iodine in volcanic gases, 2443
Geophysical and hydrothermal activity of Kamchatka and Kurile Islands volcanoes and associated types of thermal waters, 1125
Mass Spectrometer measurements in the thermal area of New Zealand, carbon isotopic ratios, 2388
Mercury in recent hydrothermal waters, 2574
Metal contents of some geothermal fluids, 2450
Oxygen-18 and carbon-13 contents of the sulfates and the carbonates associated in some oxidizing geothermal environments, 2658
Oxygen and hydrogen isotope ratios of monthly collected water from Hauuskade volcanic area, Japan, 2553
Possible process for the fluctuation of halogen abundances in fumarolic gases, 3720
Products of the decay of uranium and thorium in the active volcanism of the USSR, 2523
Recent sulphur isotope measurements on a variety of specimens examined in New Zealand, 2432
Recent volcanic and fumarolic activity at Santiago Volcano, Guatemala, 2519
Relation of the geological structure to the occurrence of natural steam in the Oshibeki Basin, Miyagi Prefecture, 1131
Study of fumarolic products of some volcanoes of the Erita Ale Range (Ethiopia), 1472
Volcanic gases of Stromboli, 2427
Volcanic gases, 2431
Volcanic gases in Japan, 2396
Volcanize and the thermal springs of the Uzon- Kambalny Range, 1532
Volcanological observations, 2356
Volcanology 1927–29, 1136

FUMAROLIC FLUIDS/CHEMICAL REACTIONS

Alkalil trachyte of solfataras and its alteration by fumarole gases, 998
Geochemical study of volcanic gases, 11.
Behavior of Iodine in volcanic rocks, 2304
Geochemical study of volcanic gases, 11.
Behavior of Iodine in volcanic gases, 3719
FUMAROLIC FLUIDS/ENERGY YIELD

Thermal power of the interproximal stage of activity of Mutnovsky volcano, 1288
FUMAROLIC FLUIDS/LOW RATE

Infrared measurements of the physical properties of eruptive gases, 1972
Mount Sagen and Lake Loloir, Bougainville, T.P.N., 1347
FUMAROLIC FLUIDS/ISOTOPE RATIO

Anomalous isotopic composition of helium in volcanic gases, 2511
Determination of the chlorine-35/chlorine-37 ratio in Beppu hot spring water by fast neutron activation analysis, 2528
First isotopic data on the fumaroles of Italian volcanoes, 710
Oxygen and hydrogen isotope ratios of monthly collected water from Hauuskade volcanic area, Japan, 2553
Sulfur isotopic effects in volcanic gas mixtures, 3747
FUMAROLIC FLUIDS/NATURAL RADIOACTIVITY

Radon in the New Zealand geothermal environments, 2369
FUMAROLIC FLUIDS/RADIOACTIVITY

Products of the decay of uranium and thorium in the active volcanism of the USSR, 2523
Radioactivity of volcanic gases in Japan, 1994
Volcanic gases, 2431
Volcanic gases in Japan, 2396
FUMAROLIC FLUIDS/SAMPLING

Examination of sulfur isotopic ratios in the geothermal and volcanic environment, 2463
Gas sampling and analysis techniques of volcanic fumaroles, 2369
FUMAROLIC FLUIDS/TEMPERATURE MEASUREMENT

Akinomiya—Minase thermal area, Akita Prefecture, 1074
Infrared measurements of the physical properties of eruptive gases, 1972
Mount Sagen and Lake Loloir, Bougainville, T.P.N., 1347
FUMAROLIC FLUIDS/TEMPERATURE MEASUREMENT

Infrared measurements of the physical properties of eruptive gases, 1972
Measurements of steam and ground temperatures at some fumaroles and steaming grounds in late volcanoes (1), 1518

GALENA/CHEMICAL COMPOSITION

Lead isotope measurements on volcanics and associated galenas from the Coronado-Te Arno region, New Zealand, 2527
GALENA/ISOTOPE RATIO

Lead isotope measurements on volcanics and associated galenas from the Coronado-Te Arno region, New Zealand, 2527
GALENA/MAGNETIC PROPERTIES

Paleomagnetic correlation of the Piocene-
Hot springs and thermal energy, 1346

In the country of volcanoes, 1139

Industrial and other applications of geothermal energy (except power production and district heating), 3355

Investigation of the availability of geothermal energy for the demineralization of saline water, 197

Multi-purpose utilization of geothermal resources, 87

Non-electric and electric ... a short essay on what is being done and how. (Paper No. 7401), 3356

Problem of the utilization of the thermal waters of the oil and gas fields of the Caucasus, 3332

Production of chemicals from brine and seawater for geothermal energy, 2941

Senate Resolution No. 136, relating to the utilization of water over the Tehachapi Mountains (Potential of geothermal power for use in meeting power requirements of California aqueduct system), 3335

Some considerations on the optimum production and use of geothermal energy, 688

Some methods of dealing with low-enthalpy water in the Rotorua area of New Zealand, 3345

Some technical aspects of electric power engineering - Report 2, 2996 (AD-704547)

Status of geothermal utilization in Japan, 2946

Studies from low temperature geysers, 3096 and Flegrei Island conducted towards the use of subsoil energy, 3325

Use of natural steam in a diastomite plant, 3342

World Energy Supply Conference - 1973 ends cheap energy era, 412

GEOTHERMAL ENERGY CONVERSION

Geothermal energy, a review (Review with 75 references), 3347

Problems in geothermal power generation, 3093

GEOTHERMAL ENERGY CONVERSION/BIBLIOGRAPHIES

Mental steps in geothermal power generation, 2959

GEOTHERMAL ENERGY CONVERSION/BINARY CYCLES

Advanced binary cycles for geothermal power generation, 3069

Geothermal power generation using the binary cycle, 3092

Overview of current developments with geothermal binary cycle power systems. (Paper No. 7406), 3100

Power generation from hot brines (Patent), 3163

GEOTHERMAL ENERGY CONVERSION/ECONOMIC EVALUATIONS

Comparison of elementary geothermal-brine powerplant processes, 1547 (LB-2112)

GEOTHERMAL ENERGY CONVERSION/COST BENEFIT ANALYSIS

GECOST: a computer program for geothermal cost analysis, 3379 (BWL-1)

GEOTHERMAL ENERGY CONVERSION/GEOPHYSICAL SURVEYS

Gravimetric loop for generation of electrical signals for temperature measurement in geothermal reservoirs (ReReview), 1917

GEOTHERMAL ENERGY CONVERSION/ARO MACHINE

Development of a specialized geothermal expander to recover energy for economic service (Keller Roro-Oscillating Vane), 3099

GEOTHERMAL ENERGY CONVERSION/STORAGE MEETINGS

Proceedings of a symposium on geothermal energy and Colorado, Denver, Colorado, December 6, 1976

GEOTHERMAL ENERGY CONVERSION/UNDERGROUND THERMAL WATERS

District heating to hot water power plants, 2964

GEOTHERMAL ENERGY CONVERSION/THEROHYDRAULIC CYCLES

Therodynamic power cycle for recovery of geothermal energy, 3086

GEOTHERMAL ENERGY CONVERSION/UNDERGROUND THERMAL RESOURCES

Filtration of heat carriers in Earth core rocks at a depth of from 5 to 8 kilometers, 703

GEOTHERMAL EXPLORATION

Exploration and exploitation of geothermal energy; overview, 122

Exploration for geothermal resources, 1625

Exploration for geothermal power, 1638

Geothermal power, 193

Geothermal activity in 1973, 90

Geothermal opportunities have never looked better, 146

Geothermal energy: geology, exploration and developments. Parts 1 and 2, 1603

Geotectonics and the geologists, 144

Hydrothermal systems, their origin and exploration, 685

Multipurpose exploration and development of geothermal resources, 1636

Natural brines for power, 3127

Preliminary evaluation of geothermal areas by geochemistry, geology, and shallow drilling, 1614

Scientific factors in geothermal investigation and exploitation, 92

Some problems in geothermal exploration, 1618

Technical and economic aspects of geothermal energy, 97

Topographical corrections in geothermal prospecting. Measurement of the borehole deviation system, 3335

GEOTHERMAL EXPLORATION/BIBLIOGRAPHIES

Historical review of deep geothermal resource exploration and evaluation (Age, composition and volume), 745

Industrially feasible geothermal fields, 1138

Investigation of mineral and thermal waters, 1962

Volcanic rocks as geologic guides to geothermal exploration and evaluation (Age, composition and volume), 745

GEOTHERMAL EXPLORATION/RESOURCES AND DEPLOYMENTS

Application of geophysical methods in the investigation of mineral and thermal waters, 647 (IT-72-56033)

Evaluation of geothermal prospects and the objectives of geothermal exploration, 2137

Geophysical methods in geothermal exploration, 2137

Geophysical investigations in prospecting for thermal waters, 1962

Geophysical methods in geothermal exploration, 2206

Geophysical methods in geothermal prospecting, 1652

Method and apparatus for locating geothermal energy resources, 2677

Prospecting for geothermal power, 1624
Surface determination of subsurface porosity and pore-fluid resistivity: geothermal implications, 2175

Technique for determining the properties of seismic noise in geothermal areas, 2184

GEOTHERMAL EXPLORATION/SITE SELECTION
Selection criteria for geothermal prospects, 1619

GEOTHERMAL EXPLORATION/TEMPERATURE MEASUREMENT
Analysis of surface temperature maps, 1597

Contributions to geothermal prospecting, 1772

GEOTHERMAL EXPLORATION/VOLCANOES
Drilling at the summit of Kilauea volcano, 2651 (PA-277111)

GEOTHERMAL EXPLORATION/WELL DRILLING
Drilling for geothermal steam and hot water, 2756

Environmental report: deep geothermal test wells in the Raft River Valley, 2872 (ANCR-12004)

Geothermal drillholes - physical investigations, 2791

Rotary drilling for geothermal energy, 2793

GEOTHERMAL FIELDS
See also BROADLANDS GEOTHERMAL FIELD
CERRO PRIETO GEOTHERMAL FIELD
EL TATIO GEOTHERMAL FIELD
KAWERAU GEOTHERMAL FIELD
LARDERELLO GEOTHERMAL FIELD
MATSUKAWA GEOTHERMAL FIELD
MONTE AMIATA GEOTHERMAL FIELD
NAMAFJALL GEOTHERMAL FIELD
OTAKE GEOTHERMAL FIELD
PARATUNKA GEOTHERMAL FIELD
PASIGE GEOTHERMAL FIELD
VAIOTAPU GEOTHERMAL FIELD
WAIRAKAI GEOTHERMAL FIELD

Geothermal power (world distribution of fields), 66

Natural steam for power, 512

Technical and economic aspects of geothermal energy, 57

GEOTHERMAL FIELDS/AERIAL PROSPECTING
From - viewing the Earth from space, 1628

GEOTHERMAL FIELDS/AQUIFERS
Low permeability of a thick geothermal aquifer in a highly fractured area as a necessary requisite for high steam production, 1496

GEOTHERMAL FIELDS/ANOMALIES
Nuclear geology on geothermal areas, Spioeto, 1963, 696

Occurrence and distribution of thermal springs, 683

GEOTHERMAL FIELDS/BOREHOLES
Steam hydrothermal wells of hot beach (new data from the results of drilling operations in 1966)

Micronesian geothermal areas, 2717

GEOTHERMAL FIELDS/CALORIMETRY
Calorimetry of steaming ground in thermal areas, 1744

GEOTHERMAL FIELDS/DRY-STEAM SYSTEMS
The structure and behavior of geothermal fields, 747

GEOTHERMAL FIELDS/EARTHQUAKES
Natural earthquakes, swarms, and the geothermal areas of Iceland, 735

GEOTHERMAL FIELDS/ELECTRICAL SURVEYS
Application of the self-potential method in the exploration for geothermal energy in Long Valley, California, 2224

Delineation of geothermal deposits by means of long-spacing resistivity and airborne magnetics (closed-loop cross-power analysis, Imperial Valley), 252

Electrical prospecting at Takinoue and Matsukawa geothermal areas, 1894

Electrical resistivity techniques in geothermal exploration, 2206

Electrical prospecting at Takinoue and Matsukawa geothermal areas, 1998

Exploration of the Reykjanes thermal brine zone, 2344

Geophysical methods in geothermal prospecting in New Zealand, 1869

Natural electric field survey in three southern Italy geothermal areas, 2273

Near-surface resistivity and impedance surveys of geothermal areas using the electromagnetic method (Horizontal coplanar loop technique), 209p

Progress report on electrical resistivity studies, COG Geothermal Area, Inyo County, California, 1055 (AD-764522-S)

Progress report on electrical resistivity studies, coso geothermal area, Inyo County, California, Technical publication, 1304 (AD-764522-S)

Relation of the geological structure to the occurrence of natural steam in the Onkobe Basin, Miyagi prefecture, 133

Results of electrical prospecting and well-boring at the Oshuku hot springs in Iwate prefecture, 1734

Structural study of the Roccaragni Zone in prospecting for steam by geophysical, gravimetric and electrical methods, 1819

Total-field resistivity map of Long Valley, California, 2209
sedimentary cover and the structure of the crystalline basement, 3484
Takine geothermal region, Iwate, 1146
Water tracing in geothermal areas, 2277 (193-704)
GEOTHERMAL FIELDS/HYDROTHERMAL ALTERATION
Geology of the Little Antelope Valley Play deposits, Mono County, California (Casa Diablo geothermal area), 927
Temperature inversions in geothermal systems, 351
GEOTHERMAL FIELDS/INFRARED SURVEYS
Airborne infrared scanner as a geophysical tool, 2262
Application of infrared aerial recording techniques to studies of geothermal and thermal activities of Kaschthana peninsula, 1690
Infrared imagery of Tofafjoukull thermal area, 1963
Infrared investigations, status report, 1641 (N-67-39013)
Infrared remote sensing of thermal ground in the Kluane region, New Zealand, 2489
Infrared sensing of active geologic processes (Review), 1935
Infrared surveys in Iceland - preliminary report, 2029
Infrared comments, 1929
On IR imagery and its application to the mapping of geothermal distributions, 2052
Reconstruction for engineering investigations of terrain-infrared systems, 1919
GEOTHERMAL FIELDS/LAND LEASING
Clints on draft environmental impact statement for the federal geothermal leasing program, 2788
Environmental impact statement for the geothermal leasing program; draft, 2904
Geothermal resources leasing and operations on public, acquired, and withdrawn lands; notice of proposed rule making, 2792
State, federal lawyers weigh geothermal leasing, 2781
US policy on land leasing for geothermal energy development, 2823
GEOTHERMAL FIELDS/LITHOLOGY
Relationship between geothermal regime of the sedimentary cover and the structure of the crystalline basement, 3484
GEOTHERMAL FIELDS/MAGNETIC SURVEYS
Aeromagnetic surveys in New Zealand, 1949-1952, 1718
Aeromagnetic survey of the Salton Sea geothermal field, southeastern California, 2160
Definition of geothermal deposits by means of long-spacing resistivity and airborne magnetics (Closed-loop cross-power analysis, Imperial Valley), 294
Geophysics of Waiotapu area, 1804
Study on geomagnetic variation of telluric origin, 3. on geomagnetic anomaly observed at some hot spring areas, 1791
GEOTHERMAL FIELDS/MANAGEMENT
Application of material and energy balances to geothermal steam production, 246
Management of a geothermal field, 104
GEOTHERMAL FIELDS/MICROCRISEs
Microearthquakes in geothermal prospecting, 1657 (CONF-741145-2)
Microearthquakes in the Phlegraean Fields, Italy, 2271
GEOTHERMAL FIELDS/MICROORGANISMS
Evidence of microbiological activity in some of the geothermal regions of New Zealand, 1097
GEOTHERMAL FIELDS/MINERALOGY
High-temperature alteration minerals and thermal brines, Reykjanes, Iceland, 2163
GEOTHERMAL FIELDS/MINERALS
Epidote and wairakite in drill cores at the Takinoue geothermal region, Iwate, 2169
Stilbite from Takenouy geothermal area, Kusumo, Japan, 1955
GEOTHERMAL FIELDS/NATURAL RADIOACTIVITY
Radon in the New Zealand geothermal regions, 2360
GEOTHERMAL FIELDS/PETROLEUM
Geothermal fields in Japan considered from the geological and petrological view point, 1500
Petrographical study on the geothermal areas in Hokkaido, Japan, 1276
GEOTHERMAL FIELDS/POLARIS
Design and construction of steam pipelines, 3170
GEOTHERMAL FIELDS/POWER POTENTIAL
Geothermal steam looks better; Imperial Valley, 244
Prospection of geothermal fields and investigations necessary to evaluate their capacity (World-wide), 45
GEOTHERMAL FIELDS/RADIOACTIVITY
Gamma radioactivity survey of some of the geothermal areas of the North Island of New Zealand, 2949
81 INDEX GEOTHERMAL FLUIDS/CHEMICAL COMPOSITION
Radon alpha-track survey of a potential geothermal resource area (Buffalo Valley, Nevada), 707 (LBL-32525)
GEOTHERMAL FIELDS/SEISMIC SURVEYS
Seismic noise measurements in Yellowstone National Park, 2277
GEOTHERMAL FIELDS/SEISMIC NOISE
Seismic noise measurements in Yellowstone National Park, 2782
Study of underground structure and geophysical state in geothermal areas by seismic exploration, 2063
GEOTHERMAL FIELDS/SURFACE WATERS
Hydrogen and oxygen isotope ratios in the waters of the Ngawha hydrothermal area, North Auckland, 2456
GEOTHERMAL FIELDS/TECTONICS
Influence of rivers on geotemperatures, 1503
Temperature inversions in geothermal systems, 1571
Underground temperature in hot spring localities, 1862
GEOTHERMAL FIELDS/THERMAL WATERS
Temperature survey in the takinougeothermal area, Lake Prefecture, 2675
GEOTHERMAL FIELDS/THERMAL WATERS
Hydrogen and oxygen isotope ratios in the waters of the Ngawha hydrothermal area, North Auckland, 2456
GEOTHERMAL FIELDS/UNDERWATER
Undersea geothermal deposits - their selection and potential use, 246
GEOTHERMAL FIELDS/VOLCANIC ROCKS
Panice, pumice, and volcanic cinders in California (Quaternary volcanic products), 813
GEOTHERMAL FIELDS/WATER POLLUTION
Geothermal mercury pollution in New Zealand, 2913
GEOTHERMAL FIELDS/WELL DRILLING
Deep drilling in an active geothermal area in the Azores, 2763
How to drill for underground steam, 2652
Results of electrical prospecting and well-boring at the Qahuku hot springs in Kauai Prefecture, 1734
GEOTHERMAL FLUIDS
See also FUMAROLIC FLUIDS
Processing of saline geothermal fluids for mineral recovery, 3364
GEOTHERMAL FLUIDS/CHEMICAL ANALYSIS
Isotopic composition and underground temperature of the Otake geothermal water, Kusumo, Japan, 3254
GEOTHERMAL FLUIDS/CHEMICAL COMPOSITION
Chemical changes in geothermal well M-20 (Steam-water discharge rate 680 tons/hr, 460 Btu/lb at 16 kg/cm2 pressure), 3240
Chemical changes in geothermal well N-20, Cerro Prieto, Mexico, 3238
Chemistry of geothermal fluids discharged from drillholes at Wairakei, New Zealand, 2424
Computer calculation of down-hole chemistry in geothermal areas, 3252
Environmental aspects of the multi-purpose development of geothermal resources, 2921
Exploration and steam-flow measurements of Pe-Tauk E-204 geothermal well in Taiwan, 3262
Gases and vapors of volcanoes in Baja California, 1621
General features and geochemical peculiarities of Iceland hydrotherms, 1880
GEOThermal FLUIDS/WATER POLLUTIOn

Arenc in the Waikato River System, 2912

GEOThermal GRADIENTS

Comments on a paper by Kl-iti Nara and Masu Nar, *Relationship among terrestrial heat flow, thermal conductivity, and geothermal gradients*, 1904

Geothermal gradients and their significance: a review, 1813

Comparisons of underground temperatures, 3392

GEOThermal GRADIENTS/DATA COMPILATION

Geothermal gradients now known in greater detail, 2947

GEOThermal GRADIENTS/ELECTRICAL INSTRUMENTS

Geophysical measuring circuits, 2246

GEOThermal GRADIENTS/MEASURING INSTRUMENTS

Studies of Thermal State of Earth, 1764

GEOThermal GRADIENTS/MEASURING METHODS

Comparison of the results of measurement by electrical and maximum thermometers, 1612

Hungarian methodological problems of geothermal measurements, 1867

Measurement of temperature gradient in the Earth, 1766

Measurement of geothermal gradients in boreholes, 3475

Measuring geothermal gradients in drill holes less than 60 feet deep, east Tintic District, Utah, 1815

Present state of geothermal investigations, 1715

Problem of determining principal geothermal patterns, 1797

Relation of factors affecting ground and rock temperatures at great depths, 3419

Underground temperatures at great depths, 3870

GEOThermal GRADIENTS/VARIATIONS

Probable cause of variations of the geothermal step with depth, 3508

GEOThermal POWER PLANTS

Development of Otake geothermal field, 2977

Electricity from geothermal steam, 457

First geothermal power stations (USSR), 2967

(UCLR-Trans-10726)


Geothermal power, 2976

Geothermal energy (Present status and projections), 2993

(ER-1-050-1970)

Geothermal electricity production, 2995

Geothermal power: sleeping giant stirs, but will require years to waken fully, 129

Great green boiler in the sky, 2994

Heat rejection from geothermal power plants, 3059

Natural steam—the geysers geothermal power plant, 3046

Potential for the production of power from geothermal resources, 3566

Practical application of geothermal steam, 2993

Progress made in installations (San Francisco, California), 1945

Geothermal brines in the Imperial Valley of California, 3319

(GRNFP-TP-3021)

Present state of geothermal development in Japan (13,000 kW power plant), 649

GEOThermal POWER PLANTS/AIR POLLUTION

Pollution control for geothermal power plants, 2836

GEOThermal POWER PLANTS/BIBLIOGRAPHIES

Natural steam and geothermal power generation, 2846

GEOThermal POWER PLANTS/BINARY CYCLES

Advanced binary cycles for geothermal power generation, 3565

Advanced binary cycles for geothermal power generation, 3570

Application of direct contact heat exchangers to power generation systems utilizing geothermal brines, 3094

Geothermal power generation using the binary cycle, 3092

Geothermal power plant on the Paratunka River, 3034

Lawrence Berkeley Laboratory geothermal program in northern Nevada, 1601

(LBNL-3224)

Overview of current developments with geothermal binary cycle power systems. (Paper No. 7436), 3180

Power without fuel, 3065

Power without fuel, 3072

Problem of utilization of earth heat, 2970

Refrigerants as working fluids for geothermal power generation, 3077

Regenerative vapor cycle with isobutane as working fluid, 3101

Selection of parameters and results of a study of a Freon power installation, 3045

Utilization of geothermal sources through a two phase binary cycle, 3101

Experiments on simulation scale model, 3085

Vapor-turbine cycle for geothermal power generation, 3105

GEOThermal POWER PLANTS/CEMENT PRIETO GEOTHERMAL FIELD

Geothermal energy in Mexico. Exploration and utilization, 2956

GEOThermal POWER PLANTS/CONSTRUCTION

Construction of geothermal steam power plants utilizing nuclear energy, 1937

Construction of geothermal power station, 3011

Geothermal potential of Republic of Mexico, 635

Soviet geothermal electric power engineering—report 2, 2996

AD-704497

GEOThermal POWER PLANTS/CONTROL

Control and safety of geothermal installations, 3270

GEOThermal POWER PLANTS/CONTROL SYSTEMS

Automation and telecontrol of the Gabbro geothermal condensing power station, 3027

GEOThermal POWER PLANTS/CRITICAL SYSTEMS

Corrosion of metals in geothermal power plants, 3199

Corrosion and scaling in nuclear-stimulated geothermal power plants, 3041

Corrosion investigations in hydrothermal media at Wairakei, New Zealand, 3186

Corrosion measurements in a geothermal environment, 3190

Corrosion and scaling by steam in nuclear geothermal power plants, 3176

(UCLR-73939)

Corrosion and scaling by steam in nuclear geothermal power plants, 3179

(UCLR-73939, Rev. 2)

GEOThermal POWER PLANTS/CRUSSION PROTECTION

Corrosion control in geothermal systems, 3382

Corrosion characteristics and geothermal power plant protection (collar layer processes of abrasion, erosion, and scaling), 3180

GEOThermal POWER PLANTS/GOOG

Cost analysis on geothermal power, 2856

Economic appraisal of geothermal power, 2846

Economics of geothermal energy, 2852

Economics of geothermal power, 3186

Exciting prospects ahead for geothermal, 3562

GEOThermal POWER PLANTS/DESIGN

Conceptual design of a geothermal demonstration plant for the Raft River Basin, 2997

(ANC-R-129)

Design and operation of The Geysers Power Plant, 3057

Development of the Mamafjall Area, Northern Iceland (Down-hole temperatures of 260°C), 3030

Engineering and design features of the Otake geothermal power plant (22,000 kW output, 1.5 kg/sec saturated steam). 3034

Experimental industrial geothermal steam power plant, 3017

Geothermal energy system (Patent), 3053

Geothermal power plant design, 3060

Latest trends in the design of geothermal plants, 3022

Lawrence Berkeley Laboratory geothermal program in northern Nevada, 1601

(LBNL-3224)

Low temperature demonstration geothermal power plant in the Raft River Basin, 1963

(MIN-NR-1138)

New geothermal field starts producing, 3048

New trends in planning and design of geothermal power plants, 3029

Progress realized in installations with endogenous steam turbine-generator units (Larderello), 3018

Progress realized in installations with endogenous steam turbine-generator units without condenser, 3019

Semiautomatic design considerations for Plowshare geothermal power stations, 3046

Selection of parameters and results of a study of a Freon power installation, 3045

Soviet geothermal electric power engineering—report 2, 2996

AD-704497

Technological "breakthrough" promises to tap geothermal power cheaply (Downhole heat exchanger), 3061

GEOThermal POWER PLANTS/ECONOMICS

Comparative energy costs by alternative generating methods, 3370

Economics of electric power generation utilizing geothermal energy, 2865

Economics of the small geothermal power station, 2854

Economics of geothermal electric power generation at Matsukawa, 2857

Economics of natural dry steam for electricity generation, the geysers geothermal field, Sonoma County, California, 2849

Engineering aspects of a geothermal power plant, 3033

Future of geothermal energy, 134

Geothermal resource investigations, Imperial Valley, California, January 1979, 3350

Geothermal resource investigations, Imperial Valley, CA, development concepts and experimental tests on simulation scale model, 321

Geothermal energy-growth spurred by "powerful motives" (530 kW planned capacity (175°C)), 2362

Geothermal power economics, 2846

Planning of a geothermal electric power plant, technical and economic principles, 3905
arison of elementary geothermal-brine power-production processes, 157 (U3-1922).

Contribution to the knowledge of the geothermal field of Larderello (Tuscany-Italy). Remarks on the Caribou area, 2972.

Geothermal test generator unit: third electric generator in North America, 2991.

Geothermal resource investigations, Imperial Valley, CA, developmental concepts, 2921.

Geothermal steam supplied added power for Mitsubishi's Akita zinc plant, 3363.

Geothermal exploration in the western United States, 3567.

Geothermal power development at Wairakei, New Zealand, 2986.

Geothermal power - economic evaluation, 2840 (BM-IC-8230).

Geothermal growing as a power source, 3043.

Geothermal power (Normal output of 22,000 kw and maximum of 26,000 kw), 3073.

Geysers, 2975.

Geysers geothermal power plant (184 MW plant capacity, 506 kw projected by 1975), 3059.

Geysers harness to furnish power, 3065.

Investigations of exhautive hydrothermal phenomena and the problem of 'endogenous power' (Italy), 433.

Japan exploits geothermal, 2974.

New to be world's largest, oil resources, 118.

Only geothermal power plant in the United States soon to be world's largest, 2966.

Potential for the production of power from geothermal resources, 155 (LA-UR-73-926).

Power generation from hot springs, 2978.

Progress report on geothermal development in Italy (Technological progress, 285, 200 kw plant capacities, 2746.8 million kw power production), 2976.

Progress report on recent developments of geothermal energy and utilisation in Mexico, 489.

Thermal cycles for geothermal sites and turbine installation at the Geysers power plant, California, 3075.

US to aid study of geothermal instant energy, 2986.

Worldwide geothermal energy and its industrial utilization (357 MW total electric energy, 37 power plants), 539.

GEOTHERMAL POWER PLANTS/POWER POTENTIAL

Berex-bearing geysers of Tuscany, 2996.

Energy more geothermal power (Imperial Valley Project), 261.

Geothermal power development at Wairakei, New Zealand, 2986.

Larderello steam vents of Tuscany, 3216.

Natural steam power doubled by Unit 3 at the Geysers in California, 3042.

Only geothermal power plant in the United States soon to be world's largest, 2966.

Utilities warm up to hot water power plants, 2984.

GEOTHERMAL POWER PLANTS/REGULATIONS

Flow chart of critical path in geothermal exploration, 2813.

Interrelationship between federal, state, and local regulatory agencies on the development of the geothermal resource in California, 2812.

GEOTHERMAL POWER PLANTS/RESEARCH PROGRAMS

Geothermal R and D project report for period July 1, 1974, and 1600 (ANCR-1190).

GEOTHERMAL POWER PLANTS/REVIEWS

Geothermal steam as a source of energy and its industrial utilization, 463.

GEOTHERMAL POWER PLANTS/SAFETY

Control and safety of geothermal installations, 3576.

GEOTHERMAL POWER PLANTS/SCALING

Corrosion and scaling in nuclear-stimulated geothermal power plants, 2961.

Corrosion and scaling by steam in nuclear geothermal power plants, 3179 (UCRL-73939).

Corrosion and scaling by steam in nuclear geothermal power plants, "High Levels of scaling in the Kesterson geothermal power plant in the Matsuoka area, 1972.

Properties of scales and methods to prevent them, 3193.

GEOTHERMAL POWER PLANTS/SPECIFICATIONS

Electricity production with earth heat, 3015.

Geysers steam is good buy, 3024.

Geothermal: patterns of future geothermal, 3041.

Power from geothermal steam at Geysers power plant, 3012.

GEOTHERMAL POWER PLANTS/STEAM CONDENSERS

Comparison between surface and jet condensers in the energetic and economic utilization of Larderello's voracious steam jets, 3074.

GEOTHERMAL POWER PLANTS/STEAM TURBINES

Experimantal geothermal power station, 2991 (JPRS-68673).

Geothermal power plant, 3082.

Geysers geothermal power plant (Normal output of 22,000 kw and maximum of 26,000 kw), 3073.

Operation of geothermal power stations, 3085.

85 INDEX GEOTHERMAL RESOURCES/ARIZONA

Power without fuel, 3005.

Power without fuel, 3072.

Present development of geothermal for power application, 3078.

GEOTHERMAL POWER PLANTS/SUPERHEATERS

Superheating of geothermal steam for power (100°F

superheated steam, 50 lb/in.), 3044.

GEOTHERMAL POWER PLANTS/THERMAL CYCLES

Frezon power plant with heat supply at the expense of cooling of a source, 3067.

GEOTHERMAL POWER PLANTS/TURBINES

Thermal cycles for geothermal sites and turbine installation at the Geysers power plant, California, 3075.

GEOTHERMAL POWER PLANTS/TURBOGENERATORS

Geothermal test generator unit: third electric generator in North America, 2991.

Geothermal turbine-generators delivered to PG and E company in USA, 2984.

Geysers geothermal power plant, 3084.

GEOTHERMAL POWER PLANTS/WASTE HEAT

Heat-storge wells for conserving energy and reducing thermal pollution, 3062.

Thermal problems in the siting of reinjection wells, 2969.

GEOTHERMAL POWER PLANTS/WATER POLLUTION

Pollution control for geothermal power plants, 2923.

GEOTHERMAL POWER PLANTS/WORKING FLUIDS

Refrigerants as working fluids for geothermal power generation, 3077.

GEOTHERMAL RESOURCES

Challenge of geothermal energy, 3137.

Characteristics of geothermal resources, 127.

Earth as a vast storage heater, 101.

Energy - uses, sources, issues, 172 (UCRL-51721).

Energy and power of geothermal resources, 1877.

Estimates of geothermal energy potential, 199.

Evaluation of geothermal prospects and the objectives of geothermal exploration, 2137.

Exploration of geothermal resources in the Tatum volcanic region, Taiwan, Republic of China, 550.

Exploration for geothermal resources, 1029.

Exploration for geothermal power, 1638.

From the depths of the blazing interior, 73.

Geothermal world directory, 97.

Geothermal power (World distribution of fields), 86.

Geothermal energy, geology, exploration, and developments, 2, 280.

Geothermal resources and present orogenic activity, 716.

Geothermal utilization, 680.

Geothermal energy for the future, 96.

Geothermal energy, 59.

Geothermal resources: AAGD Distinguished Lecture, 70.


Geothermal energy in the global energy crisis, 113.

Geothermal opportunities - a closer look, 140.

Geothermal energy, a review (Review with 75 references), 3347.

Geothermy and the geologists, 144.

Global plan for water and energy in the next half century, 296.

Importance of information on the hydrological and geothermal situation with respect to the observation of new sources of low-enthalpy water in Slovakia, 1461.

Importance of a practical research input to water resources development, 2946.

Nature's teakettle - geothermal energy for the people (Book), 111.

New sources of power-geothermal resources, 118.

Next hundred years energy demand and sources of supply, 44.

Power from the Earth's own heat, 72.

Systematic approach to geothermal development, 354.

Technical and economic aspects of geothermal energy, 62.

Trans-Pacific consortium crisis, 3890.

Utilization of United States and world resources of energy, 228.

Worldwide geothermal energy and its industrial utilization, 539.

GEOTHERMAL RESOURCES/AFRICA

After triangle, 1510.

Geothermal resources of Rwanda, 568.


GEOTHERMAL RESOURCES/ALASKA

Potential for geothermal energy development in Alaska, 366.

GEOTHERMAL RESOURCES/ALGERIA

Geothermal possibilities of Algeria, 249.

GEOTHERMAL RESOURCES/APPALACHI

Potential for geothermal energy development in Appalachia, 388.

GEOTHERMAL RESOURCES/ARGENTINA

Fumaroles, solfataras, and hot springs in the northwest of Argentina and the possibility of their industrial use, 1086.

GEOTHERMAL RESOURCES/ARIZONA

Dinner Session, Thursday, 10 May 1973, 356.
Geothermal geopressured resources and problems of the Gulf Coast, 353
Method for producing a source of energy from an overpressured formation (Patent), 149
Some elements of the Northern Gulf of Mexico Basin geopressure energy resources, 173 (UCRL-74807)

Geothermal Resources/Geothermal Exploration
Geothermal steam: origin, characteristics, occurrence, and exploitation, Final report, 30 (AD-511800)
Proceedings of the NATO-CCMS information meeting on dry hot rock geothermal energy, September 17-19, 1974, Los Alamos, New Mexico, 154 (LA-S518-C)

Geothermal Resources/German Federal Republic
Procedures of the NATO-CCMS information meeting on dry hot rock geothermal energy, September 17-19, 1974, Los Alamos, New Mexico, 154 (LA-S518-C)

Geothermal Resources/Geysers Geothermal Field
Challenges of the geysers, 266

Geothermal Resources/Government Policies
Geothermal resources. Parts I and II. Hearings before the Subcommittee on Water and Power Resources of the Committee on Interior and Insular Affairs, United States Senate, Ninety-Third Congress, First Session, 374
Geothermal resources: legal and tax consideration, 2630
The potential for energy production from geothermal resources. Report of the Subcommittee on Water and Power Resources, Committee on Interior and Insular Affairs, 472

Geothermal Resources/Greece
Geothermal energy in Greece, 637

Geothermal Resources/Guatemala
Geothermal resources of Guatemala, Central America, 570

Geothermal Resources/Gulf of Mexico
Geothermal - possible key to the hydrology of certain aquifer systems in the northern part of the Gulf of Mexico, 1380
Geothermal resources of the northern Gulf of Mexico Basin (Geothermal gradients within geopressurized deposits up to 100°C/km, 270°C maximum temperature at 5859 m., 120°C isogather at 2500-5000 m below sea level), 547
Geothermal geopressure resources and problems of the Gulf Coast, 353
Hydrodynamics of geopressure in the northern Gulf of Mexico basin, 715
Hydrology of neogene deposits in the northern Gulf of Mexico basin (Research bulletin), 668

Geothermal Resources/Hawaii
Foreign and domestic discussions on natural geothermal power and potential use of Plowshare to stimulate these natural systems, 3272 (BNML-8-110)

Hawaii overview, 287
Hawaii overview: partial presentation on the geothermal resource exploration and development potential of the state of Hawaii, 512
Hawaii volcano energy, 354
Results and power generation implications from drilling into the Kilauea Iki Lake, 206

Geothermal Resources/Heating
Potential for energy production from geothermal resources. Report of the Subcommittee on Water and Power Resources of the Committee on Interior and Insular Affairs, United States Senate, Ninety-Third Congress, First Session, on the role of geothermal resources in our nation's future energy economy, June 15 and 22, 1972, 2793
Geothermal resources, 472

Geothermal Resources/Hearings
Hearings before the Committee on Interior and Insular Affairs, United States Senate, pursuant to S. Res. 45, a national fuels and energy policy study, Ninety-Second Congress, Second Session on the role of geothermal resources in our nation's future energy economy, December 1, 1971, 2830
Geothermal Resources/Hottop Springs
Distribution of hot springs of the world, 721
Geothermal Resources/Hot-Dry-Rock Systems
Potential for hot-dry-rock geothermal energy in the western United States (Hot rock temperature approx. 290°C at 4 km.), 156 (LA-UR-73-1075)

Geothermal Resources/Hot-Water Systems
Feasibility study for development of hot-water geothermal systems. Final technical report, 149 (AD-771016)

Geothermal Resources/Hungary
Geothermal energy production from porous sediments in Hungary (Quaternary volcanic processes and subsidence basins with high heat flow), 504
Possibilities for development of thermal water resources in Hungary, 592
Soviets eye geothermal development, 474
Terrestrial nest flow and geothermal resources in...
Geothermal and thermodynamic characteristics of Salton Sea geothermal system, 1402

Geothermal systems/Pressure Gradients

Geothermal systems/temperature distribution

Geothermal systems/thermodynamic properties

Geothermal wells

Contrarian contribution to the knowledge of the Larderello geothermal region: remarks on the Tavise field (Physical characteristic of fluid, evacuation of fluid), 1499

Dry geothermal wells: promising experimental results, 1643

Geothermal energy system (Patent), 3063

Geothermal resource investigations, Imperial Valley, California, special report test well Mesa 1-6, 2759

Possibility of creating large thermo-artesian systems, 425

Preliminary results of geothermal well Mesa 6-2, Mesa anomaly, Imperial Valley, California (1830 ft depth, 187°F bottom-hole temperature), 3265

Geothermal wells/boreholes

Completion of producing geothermal wells, 3244

Exploitation of Matsukawa geothermal area, Iwate prefecture, Japan, 3235

Prevention of blowouts and other aspects of safety in geothermal steam drilling, 3136

Wellbores controlled by directional drilling, 3123

Geothermal wells/corrosion protection

Correction of wellbore in geothermal systems, 3200

Geothermal wells/Cost

Economic power from geothermal heat, 2863

Economics of geothermal power, 2850

Organization for and cost of drilling geothermal steam wells (Wairakei geothermal field), 3127

Geothermal wells/critical pressure

Utilization of underground water above critical pressure, 2323

Geothermal wells/drilling

Air drilling in geothermal bores, 3130

Deep geothermal test well, geothermal resource investigations, Imperial Valley, CA (Draft environmental impact statement), 2646 (PB-206161-D)

Determination of rock temperature when the well has not stood long enough, 2153

Geothermal drillholes - physical investigations, 2703

Geothermal drilling practices at Wairakei, New Zealand, 3132

Guide to deep-drilling technique, 2656

How geothermal wells are drilled and completed, 3163

Methods of exploitation of geothermal energy and the equipment required, 3123

Professional driller's evaluation of geothermal wellbores and production problems, 3105

Proposed deep geothermal test well, geothermal resources investigations, Imperial Valley, CA (Final environmental impact statement), 3217 (Potential well depth 4000-8000 ft), 2650 (PB-206566-D)

Geothermal wells/Deep Drilling Fluids

Temperature regime of wells being drilled, 3159

Geothermal wells/environmental effects

Proposed installation and operation of a skirt-mounted desilting unit and injection well, Imperial Valley, California. Final environmental impact statement, 3103 (EIS-CA-72-4969-F)

Proposed installation and operation of a skirt-mounted desilting unit and injection well, Imperial Valley, CA. Draft environmental impact statement, 3105 (PB-206566-D)

Geothermal wells/equipment

Production of steam from drill holes at Wairakei, 3115

Geothermal wells/explosive stimulation

Application of Plowshare to geothermal power, 3274 (BNWL-SA-2803)

Chemical explosive stimulation of geothermal wells, 3306

Explosive stimulation of geothermal wells, 3301

Feasibility study of Plowshare geothermal power plants, 3284 (PNC-1550)

Geothermal power is aim of new Plowshare project, 3296

Nuclear explosives may find use in stimulating geothermal energy, 3290

Status of Plowshare geothermal power, 3299

Geothermal wells/flow rate

Exploration and steam-flow test of M-22, Imperial Valley, California. (Draft environmental impact statement), 3161 (Patent), 3063

Geothermal well in Taal Volcano, Philippines, 3240

Flow sampling and discharge measurement in geothermal bores, 3280

Flow-sampling and discharge measurement in geothermal bores, 3217

Measurements of the weight discharge from geothermal steam wells, 3244

Method of calculation of optimum removal of the Earth heat by thermal waters pumping applying modeling, 3239

Methods and apparatus used for wellmouth measurements in the Larderello geothermal zone when a new well comes in, 3227

Subsurface and output measurements on geothermal bores in New Zealand, 3245

Geothermal wells/geysers

Geysering action in a drilled well, Crump, Lake County, Oregon, 3249

Geothermal wells/heat transfer

Subsurface and output measurements on geothermal bores in New Zealand, 3245

Geothermal wells/legal aspects

Majority opinion in the court case: question of depletion, 2622

Geothermal wells/management

Application of material and energy balances to geothermal steam production, 3242

Geothermal wells/mathematical models

Temperature transients in flowing boreholes, 3268

Geothermal wells/measuring instruments

Methods and apparatus used for wellmouth measurements in the Larderello geothermal zone when a new well comes in, 3227

Geothermal wells/measuring methods

Measurement of borehole discharges, downhole temperatures and pressures, and surface heat flows at Wairakei (Calorimeters, geothermographs), 3228

Methods and apparatus used for wellmouth measurements in the Larderello geothermal zone when a new well comes in, 3227

Geothermal wells/natural steam

Some observations about the thermo-fluid-dynamic behavior of the steam in the wells of Larderello and about the best exploitation conditions, 3243

Geothermal wells/noise

Studies on noise reduction problems in electric power plants utilizing geothermal fluids, 2899

Geothermal wells/operation

Completion of producing geothermal wells, 3244

Economic characteristics of geothermal boreholes, 3271

Geothermal wells/performance

Alternative methods of determining enthalpy and mass flow, 3239

Application of material and energy balances to geothermal steam production, 3242

Application of material and energy balances to geothermal steam production (Reservoir engineering), 3241

Application of material and energy balances to geothermal steam production, 246

Behavior of the Wairakei geothermal field during exploitation, 3246

Borexoe still roars (Flow phenomena at Nevada geothermal well), 3240

Chemical changes in geothermal well M-20 (Steam-water discharge rate 580 tons/hr, 400 Btu/lb at 16 kg/cm² pressure), 3249

Chemical changes in geothermal well M-20, Cerro Prieto, Mexico, 3236

Estimation of hydrothermal systems by means of well-head observations, 2744

Evaluation of results and operational performance of high-temperature waters (Piezometric level sinking), 3248

Factors controlling borehole performance, 3247

Flowing fluid in hot-water geothermal wells, 3266

Flowing fluid in hot-water geothermal wells, 3264

Flow in geothermal wells (an analytical study), 3257

Fluctuations of water level in wells in the old city of Beppu Spa, 3235

Larderello steam vents of Tuscany, 3216

Larderello steam vents of Tuscany, 3218

Management, in relation to measurements, and bore maintenance of an operating geothermal steam field, 3259

Measurement and transmission of steam in Matsukawa geothermal power plant, 3236

Measurement of borehole discharges, downhole temperatures and pressures, and surface heat flows at Wairakei (Calorimeters, geothermographs), 3228

Mexico pushes geothermal development, 3271

Natural steam in New Zealand, 438

Power from steam wells, 3269

Preliminary results of geothermal wells, Mesa 6-1 and Mesa 6-2, East Mesa KGRA, Imperial Valley, California, 2264

Recent state of the Tottori hot springs, 1281

Remarks on the geothermal phenomenon in an
Intensively exploited field: results of an experimental well (Evolution of field, physical properties of fluid), 2539
Some observations on the thermal-fluid-dynamic behavior of the steam in the wells of Larderello and about the best exploitation conditions, 3243
Steam production at the Geysers geothermal well, 3256
Testing for thermal water resource at Nakamichi-Mizu in Tanazumi Village, Shikibeshi Province, 3236
Wairakei geothermal steam project, 3253
Well matrix hydrothermal field under exploitation, 3252
Well M-3 is a geothermal field of Cerro Prieto, Baja California, Mexico, 3208
GEOTHERMAL WELLS/PIPELINES
Selection of geothermal power, 3169
GEOTHERMAL WELLS/PLANNING
Proposed deep geothermal test well, geothermal resources investigations, Idaho Valley, California. (Supplementary to the final environmental impact statement), 2645 (EIS-CA-73-0188-F)
Proposed deep geothermal test well, geothermal resources investigations, Imperial Valley, California. (Draft environmental impact statement), 2649 (EP-236126-D)
GEOTHERMAL WELLS/POWER POTENTIAL
Ultra-deep drilling for geothermals, Final report, 2644 (AD-794188)
GEOTHERMAL WELLS/PRESSURE MEASUREMENT
Device for measuring down-hole pressures and for sampling fluids in geothermal wells, 3261
GEOTHERMAL WELLS/REPAIR
Proper state of drilling and repairing of geothermal production wells in Japan, 3153
GEOTHERMAL WELLS/SAMPLERS
Device for measuring down-hole pressures and for sampling fluids in geothermal wells, 3251
Flow-sampling and discharge measurement in geothermal wells, 3217
GEOTHERMAL WELLS/SCALING
Phenomenon of scaling in production wells and the geothermal power plant, 3134
Physico-chemical sampling of high-temperature wells in connection with their encrustation by calcium carbonate, 3189
GEOTHERMAL WELLS/SITE SELECTION
Theory and technology of a geothermal field, 676
GEOTHERMAL WELLS/SPECIFICATIONS
Drilling plan, Raft River Geothermal Exploratory Hole No. 1, Idaho Geothermal R and D Project, 3113 (NUO-191)
US geothermal wells are now a reality, 201
GEOTHERMAL WELLS/STEAM MUFFLERS
Physical investigations, Japan, 1979
GEOTHERMAL WELLS/STEAM SEPARATORS
Development and performance of a steam-water separator for use in geothermal wells, 3128
Methods and apparatus used for wellbore measurements in the Larderello geothermal zone when a new well comes in, 3267
GEOTHERMAL WELLS/TAXES
Majority opinion in the Reich case: question of depletion, 2662
GEOTHERMAL WELLS/TEMPERATURE GRADIENTS
Development of the temperatures and geothermal gradient at Ciechocinek, 3215
Temperatures in the lava beds of east-central and southwestern Oregon, 658
Thermal water research and the geothermal gradient, 469
Vertical temperature distribution in steam wells, 3224
GEOTHERMAL WELLS/TEMPERATURE MEASUREMENT
Electrical logging and temperature surveys at Larderello geothermal wells, 1915
Estimation of underground temperatures from silica content of water from hot springs and wet-steam wells, 2458
Gas thermometer, 2275 (INS-764)
Recent data on geothermal investigations in Hungary, 3226
GEOTHERMAL WELLS/TESTING
Thermal investigations in drill holes (Description of equipment and methods), 3211
GEOTHERMAL WELLS/TESTS
Technique of testing geothermal wells, 2708
GEOTHERMAL WELLS/Two-PHASE FLOW
Flowing flow in hot water geothermal wells, Computer program, 3207 (PB-333123)
Some physical properties of the steam discharged from geothermal ground, 3253
Two-phase critical flow in geothermal steams, 3231
Vertical two-phase steam-water flow in geothermal wells, 3263
GEOTHERMAL WELLS/WELL CASINGS
Casing string design for geothermal wells (500 meter depth), 3184
Cementing materials for geothermal wells, 3159
Cementing geothermal steam wells, 3187
Delayed fracture of geothermal bore casing steels, 3189
Development of casings for geothermal boreholes at Wairakei, New Zealand, 3133
Effect of slotted liner casing in geothermal bores, 3151
GEOTHERMAL WELLS/WELL DRILLING
Cements and cementation in geothermal well drilling, 3147
Drilling for geothermal steam and hot water, 2755
Drilling for natural steam and hot water in Iceland, 3135
Drilling and in geothermal well, 3148
Drilling practices and equipment in use at Wairakei, 3150
Drilling plan, Raft River Geothermal Exploratory Hole No. 1. Idaho Geothermal R and D Project, 3113 (NUO-191)
Environmental report: deep geothermal test wells in the Raft River Valley, 2872 (ANCR-1204)
Exploitation of Masetsuoka geothermal area, lwater prefecture, Japan, 3236
Geothermal drilling in California, 3161
Geothermal heat in New Zealand, 3130
Geothermal drilling in the Matsukawa area (325-1500 meter depth), 3152
Geothermal drilling and preliminary test operations at Kileidere, Turkey, 3155
How world's hottest hole was drilled, 3124
Lessons learned in well exploration (Optimum depth factors), 3158
Receivers and equipment for harnessing of endogenous fluid, 3145
Natural steam in New Zealand, 438
New geothermal field development in Iceland, 1960
Professional driller's evaluation of geothermal drilling and production problems, 3142
Rock melting technology and geothermal drilling, 3112 (LA-UR-74-1886)
Some troubles most frequently occurring in geothermal drilling, 3146
Wild steam well controlled by directional drilling, 3123
GEOTHERMAL WELLS/WELL LOGGING
Electrical logging and temperature surveys at Larderello geothermal wells, 1945
Electrofiltration potentials in wells in geothermal areas (in physics of the New Zealand internal area), 3219
Exploitation of Masetsuoka geothermal area, lwater prefecture, Japan, 3236
Hungarian methodological problems of geothermal measurements, 1867
Study of the resource at the Masetsuoka geothermal field, 3256
Thermal resources of Rotorua, 418
Well measurements, 3259
GEOTHERMETERS
Additional data for the two-feldspar geothermometer, 3627
Can coexisting feldspars be used as a geologic seismothermometer, 1754
Feldspar geologic thermometers, 3421
Geologic thermometers, 3398
Radio-Well geothermometer and porphyric acid glasses, 3707
Nickel partition geothermometer applied to the ophiolitic Makopehu lava lake, Hawaii, 3667
Observations on natural feldspars, randomly disordered structures and a preliminary suggestion to a plagioclase thermometer, 3506
GEOTHERMETERS/ACCURACY
Geologic thermometry, 3385
High-temperature isotopic thermometry, 3517
GEOTHERMETERS/CALEBRATION
Comments on the two-feldspar geothermometer, 3876
Igneous plagioclase thermometer, 3728
GEOTHERMETERS/PERFORMANCE
Comments on the two-feldspar geothermometer and k-feldspar obliquity, 3492
Feldspar geologic thermometer, 3875
FES=20 system - geologic thermometer, 2327
Possibility of using the system ZNS + FES as a geologic and hot well thermometer, 3333
GEOTHERMETERS/USES
Examples of the use of the two-feldspar thermometer of T. Barth for formation analysis
of granitic rocks, 3610

GEOTHERMOMETRY
Geologic thermometry, 3437
Geologic thermometry, 2259
Geothermy in regional geology and in the study of surface tectonics, 669
Ideal liquid inclusions, 3461
Proposed method for the measurement of geologic temperature, 3414
Some considerations regarding liquid inclusions as geologic thermometers, 3670
Thermal aspects of ore formation, 3583

GEOTHERMOMETRY/METEOROLOGICAL MEASUREMENTS
Comparison of temperature of hot and cold springs, 91

GEOTHERMOMETRY/REVIEWS
Geothermal thermometers, 3424

GEOTHERMOMETRY/THERMOLUMINESCENCE
Application of thermoluminescence of geothermometry, 1814

GERMAN DEMOCRATIC REPUBLIC/HEAT FLOW
Subsurface temperature, heat conductivity and in the Thermgebiet, 3695

GERMAN DEMOCRATIC REPUBLIC/HOT SPRINGS
Mineral water of the German Democratic Republic, 1439
Sources of the salt content of the mineral waters of Vogtland and northwest Bohemia, particularly the Karlsbad mineral waters, 1315

GERMAN DEMOCRATIC REPUBLIC/HOT SPRINGS-GEOTHERMAL RESOURCES
Source of the salt content of the mineral waters of Vogtland and northwest Bohemia, particularly the Karlsbad mineral waters, 1315

GERMAN FEDERAL REPUBLIC/GEOTHERMAL DEPOSITS
Aragonite sinter as a geologic thermometer, 3477

GERMAN FEDERAL REPUBLIC/GEOTHERMAL ENGINES
Geothermal investigation in Sarr Basin, 496

GERMAN FEDERAL REPUBLIC/GEOTHERMAL FIELDS

GERMAN FEDERAL REPUBLIC/GEOTHERMAL RESOURCES
Proceedings of the NATO-CCMS information meeting on dry hot rock geothermal-19, 1974, Los Alamos, New Mexico, 154 (LA-5818-12).

GERMAN FEDERAL REPUBLIC/HOT SPRINGS
Mineral and thermal waters of the Federal Republic of Germany, 1438
Report on the present state of our knowledge with respect to mineral and thermal waters, 1004

GERMAN FEDERAL REPUBLIC/GEOTHERMAL RESOURCES
Mineral and thermal waters of the Federal Republic of Germany, 1438

GERMANIA
Germanium content of some spring waters in Rincachan, 2345
Germanium, molybdenum, copper and zinc in New Zealand thermal waters, 1351

GERMANIA/GEOCHEMISTRY
Geochemistry of germanium in carbonated thermal waters, based on the examples of the greater Caucasus and the Pyrenees, 2475

GEYSERS
See also OLD FAITHFUL GEYSER
Elements of geology, 763
Fumaroles, hot springs, and geysers, 560
Geyser (occurrence, character, and mechanism), 754
Geyser (review of geyser theories), 3668
Geyser of Wild Island Valley (Nevada) (Description of Beowawe geyser), 912
Geyser of Iceland, 1035
Initial movement of new geyser, Yellowstone National Park (Water level and temperature variations), 870
Nature's hot water heaters (Popular account), 727
Principles of geology, 3433
Yellowstone National Park: historical and descriptive review by Eleanor Chittenden Cress and Isabelle f. Story (Data on mean height, duration, and interval of eruptions of 58 geysers), 805

GEYSERS/BIBLIOGRAPHIES
Summary of studies of thermal waters and volcanic emanations of the Pacific region, 1920-61, 1227

GEYSERS/CONVECTION
Convection currents in Geysers, 656

GEYSERS/EARTHQUAKES
Tremor in a quiescent active volcano, geyser, and fumarole, 2880

GEYSERS/FLOW RATE
Convection currents in Geysers, 656
Does the cold of winter affect the thermal intensity of the hot springs in Yellowstone Park, 805
Geyser activity near Beowawe, Eureka County, Nevada, 862
Mechanism of Geysers, 655

GEYSERS/FLOW/FLUID
How geysers work, 2688

90 INDEX - GEYSERS GEOTHERMAL FIELD/GEOLGY
Use of sodium iodide to trace underground water circulation in hot springs and geysers of Daisy geyser group, Yellowstone National Park, 839
GEYSERS/GAS FLOW
Gas geyser of western Turkmenia and the mechanism of its activity, 1166

GEYSERS/GEODESITY
Chemical nature of fumarolic gases of volcano Snowashinzan, Hokkaido, Japan, 2386

GEYSERS/GEOTHERMAL DEPOSITS
An analysis of some geysers deposits, 947

GEYSERS/GEOTHERMAL ENGINES
Geothermal processes and their results, 763
Principles of geology, 3422
Report of operations in the exploration of the Yellowstone National Park during the year ending June 30, 1889, 906
Some conditions affecting geyser eruption, 959
Text-book of geology. Volumes 1-2, 3384
Vulcanism, geysers, and hot springs, 3462

GEYSERS/GEOTHERMAL FIELD/GEOLGY
Geophysical study of geyser action in Yellowstone National Park, 892

GEYSERS/GEOTHERMAL FIELD/ENVIRONMENTAL EFFECTS
Tremors observed at active volcano, 876

GEYSERS/GEOTHERMAL FIELD/FUMAROLIC FLUIDS
Heat flow from natural geysers, 729
Heat flow from natural geysers, 887

GEYSERS/GEOTHERMAL FIELD/GEOLOGY
Thermal regime of underground water, 1059

GEYSERS/GEOTHERMAL FIELD/GEOTHERMAL ENERGY
Geysers and geyser theories, 1461
Theory of the geyser process, 3669

GEYSERS/GEOTHERMAL FIELD/HEAT TRANSFER
Heat flow from natural geysers, 886

GEYSERS/GEOTHERMAL FIELD/HYDRODYNAMICS
Geyser theory, 1169

GEYSERS/GEOTHERMAL FIELD/HYDROLOGY
Thermal and seismic activity of narcissus geyser, 876

GEYSERS/GEOTHERMAL FIELD/HYDROLOGY
Geyser basins and igneous emanations, 785
Physical character of hot-spring and geyser deposits, 299

GEYSERS/GEOTHERMAL FIELD/MODELING
Mechanism of Geysers, 655
Thermal and seismic activity of narcissus geyser, 876

GEYSERS/GEOTHERMAL FIELD/PHYSICAL PROPERTIES
Fabulous Yellowstone, 796

GEYSERS/GEOTHERMAL FIELD/RADIOACTIVITY
Radioactivity of the thermal waters, gases, and deposits of Yellowstone National Park, 2004

GEYSERS/GEOTHERMAL FIELD/SCIENTIFIC EFFECTS
Effect of earth strain on geyser activity, 3695

GEYSERS/GEOTHERMAL FIELD/SCIENTIFIC SURVEYS
Thermal and seismic activity of narcissus geyser, 876

GEYSERS/GEOTHERMAL FIELD/SCIENTIFIC SURVEYS
Subsurface discharge from thermal springs, 667

GEYSERS/GEOTHERMAL FIELD/THERMOKARST MONITORING
Geyser activity near Beowawe, Eureka County, Nevada, 862

GEYSERS/GEOTHERMAL FIELD/VEHICLES
Influence of long term Earth tidal forces on geysers, 926

GEYSERS/WELL DRILLING
Geyser drilling technique, 3146

GEYSERS/GEOTHERMAL FIELD/California
gyser in 1888, 877
Geothermal resources in California, 222
Geyser geothermal field 1969 (8,170 ft well depth, 250-280°C steam), 2976
History of steam development at Geysers, progress made by developing companies, 226
Nature's pressure cooker, 748

GEYSERS/GEOTHERMAL FIELD/ENERGY
Microearthquakes at the Geysers geothermal area, 2906

GEYSERS/GEOTHERMAL FIELD/ENVIRONMENTAL EFFECTS
Microearthquakes at the Geysers geothermal area, 2906

GEYSERS/GEOTHERMAL FIELD/EXPLOITATION
Challenge of The Geysers, 892

GEYSERS/GEOTHERMAL FIELD/FLUID RATE
Speculations on the geothermal system at the Geysers, California, 276

GEYSERS/GEOTHERMAL FIELD/FLUID/FLUORIDE
Chemical nature of fumarolic gases of volcano Snowashinzan, Hokkaido, Japan, 2386

GEYSERS/GEOTHERMAL FIELD/FLUID/FLUIDS
Hot water of the Geysers, Sonoma County, California, 2906

GEYSERS/GEOTHERMAL FIELD/GEOTHERMAL INVESTIGATIONS
Field trip to the Geysers, Sonoma County, California, 855
GRAVITY/GEODESY CALCULATIONS
Calculation of normal values of gravity on a digital computer, on the basis of rectangular coordinates of a Gauss-Krüger projection, 1930

GRAVITY/GEODESY MEASURING INSTRUMENTS
Increasing the sensitivity of a resistance thermometer, 1974
New measuring device in gravimeters with electrostatic compensation of gravity measurements, 2035

GRAVITY SURVEYS
Gravimetric method in geological investigations, prospecting for and surveying deposits of useful minerals, 1949
Some formulas useful in the interpretation of gravimetric and magnetic profiles, 2102

GRAVITY SURVEYS/MEASURING METHODS
Reflections on the applications of the Fourier Transform in seismic surveying and gravimetry, 2016

GRAVITY SURVEYS/STATISTICS
Smoothing of gravitational anomalies, 1785

GRAVITY SURVEYS/VARIATIONS
Some geophysical implications from gravity and heat flow data, 1600

GRAYWACKE/GEODESY
Natural hydrothermal systems and experimental hot-water/rock interactions, Pt. 2, 1349

GRAYWACKE/HYDROTHERMAL ALTERATION
Natural hydrothermal systems and experimental hot-water/rock interactions, Pt. 1, 1242
Natural hydrothermal systems and experimental hot-water/rock interactions, Pt. 2, 1349

GREECE GEOTHERMAL RESOURCES
Geothermal in Greece, 637

GREECE/HOT SPRINGS
Report on the present state of our knowledge with respect to mineral and thermal waters, 1904

GREENHOUSES/HEATING
Bananas grow in Iceland, but only in greenhouses, 3372
Geothermal water and power resource exploration and development for Idaho, 350
Greenhouses with geothermal heating in Iceland, 3331
Plans for greenhouse for the utilization of low-temperature waters, 3340

GROUND SUBSIDENCE
International Symposium on Land Subsidence, 2894

GROUND WATER
See also METEORIC WATER
GROUND WATER/PERIGLACIAL PROSPECTING
Hydrogeophysical survey using remote-sensing methods from Kawahehe to Kailua-Kona, Hawaii, 2150

GROUND WATER/PROSPECTING
Ground water, 2366

GROUND WATER/PROSPECTING METHODS
Comparison of waters of mines and of hot springs, 2291
Deuterium and chloride in geothermal studies in Iceland, 2549
Effect of high temperatures on the chemical composition of ground water, 2481
Evaluation of hydrogeology and hydrochemistry of Truckee Meadows area, Washoe County, Nevada, 839
General review of the mineral and thermal waters of the state of Idaho, 1257
Genesis of some ground waters from igneous rocks, 3589
Geological investigation of mineral springs in the Shirataka volcanic region, 2403
Origin of boron in the ground waters of California, 2322
Physical and chemical variations in the discharge of a flowing well, 696
Preliminary study of the quality of water in the drainage area of the Jemez River and Rio Guadelupe, 2279 (LA-5996-MS)
Preliminary study of the quality of water in the drainage area of the Jemez River and Rio Guadelupe, 2279 (LA-5996)

GROUND WATER/PROSPECTING TECHNIQUES
Study and interpretation of the chemical characteristics of natural water, 1753
GROUND WATER/PROSPECTING VARIATIONS
Hydrothermal-geologic characteristics of the Island of Ischia (Naples), 1224
GROUND WATER/DEPTH
Electromagnetic depth sounder, 2108

GROUND WATER/DESIGN
Hot Springs of the Yellowstone National Park, 790
GROUND WATER/FLUX RATE
Current trends in hydrogeology, 3560
Determination of the velocity of fluid movement at depth and rock permeability by geothermal data, 2279
Flow of thermal water at Onogawa Hot Springs Area, Yamagata prefecture, 1254
GROUND WATER/HEAT STORAGE
Hydrogeochemical materials, 2403
GROUND WATER/HEAT TRANSFER
Heat-storage wells for conserving energy and reducing thermal pollution, 3867
GROUND WATER/HEAT TRANSFER CALCULATIONS
Hydrologic analysis of the groundwater-heat interchange force heat pump system, 3167
GROUND WATER/HYDROLOGY
Contribution of ground water system of the distribution of geothermal state (Piezometric level of ground water and thermal waters), 730
Subsurface geophysical methods in ground-water hydrology, 1740
GROUND WATER/HYDROLOGICAL DATA
Isotopic composition of calcite and water from the Dunes - DWR No. 1 geothermal test corehole, Imperial Valley, California, 2012
GROUND WATER/HYDROLOGICAL PATTERNS
Flow of thermal water at Onogawa Hot Springs Area, Yamagata prefecture, 1254
GROUND WATER/HYDROLOGY
Flow of thermal water at Onogawa Hot Springs Area, Yamagata prefecture, 1254
GROUND WATER/HYDROLOGY/PHYSICAL PROPERTIES
Flow of thermal water at Onogawa Hot Springs Area, Yamagata prefecture, 1254
GROUND WATER/HYDROLOGY/PHYSICAL PROPERTIES
Flow of thermal water at Onogawa Hot Springs Area, Yamagata prefecture, 1254
GROUND WATER/HYDROLOGY/PHYSICAL PROPERTIES
Flow of thermal water at Onogawa Hot Springs Area, Yamagata prefecture, 1254
GROUND WATER/HYDROLOGY/PHYSICAL PROPERTIES
Flow of thermal water at Onogawa Hot Springs Area, Yamagata prefecture, 1254
GROUND WATER/HYDROLOGY/PHYSICAL PROPERTIES
Flow of thermal water at Onogawa Hot Springs Area, Yamagata prefecture, 1254
GROUND WATER/HYDROLOGY/PHYSICAL PROPERTIES
Flow of thermal water at Onogawa Hot Springs Area, Yamagata prefecture, 1254
GROUND WATER/HYDROLOGY/PHYSICAL PROPERTIES
Flow of thermal water at Onogawa Hot Springs Area, Yamagata prefecture, 1254
GROUND WATER/HYDROLOGY/PHYSICAL PROPERTIES
Flow of thermal water at Onogawa Hot Springs Area, Yamagata prefecture, 1254
Halides

See also bromides, chlorides, fluorides, iodides

Halides/Chemical Composition

General dependence between the composition of solutions and their density. Aqueous electrolyte solutions, 3718

Halides/Density

General dependence between the composition of solutions and their density. Aqueous electrolyte solutions, 3718

Halides/Thermal Conductivity

Heat conductivity of simple cubic crystals (alkali halides), 3998

Halogen/Abundance

Possible process for the fluctuation of halogen abundances in fluvial cases, 3720

Halogen/Quantity Ratio

Possible process for the fluctuation of halogen abundances in fluvial cases, 3720

Hawaii/Coastal Waters

Detailed geophysical studies on the Hawaiian Arch from 24°25'N, 159°40'W, 2065

Hawaii/Glacial Geophysical Surveys

Geophysical logs from the Kilauea geothermal research drill holes, 2762

Hydrogeophysical survey using remote-sensing methods from Kauai to Kilauea-Kona, Hawaii, 2150

Temperature exploration for ground water in Kauai, Hawaii, 2165

Hawaii/Geothermal Energy

Hawaii geothermal project. Year one overview, 400

Hawaii/Geothermal Exploration

Experimental resistivity electrode deployment for the Hawaii geothermal project, 1604 (SL-4-74-194)

Geophysical logs from the Kilauea geothermal research, 2847

Hawaii overview: partial presentation on the geothermal resource exploration and development potential of the state of Hawaii, 313

Hawaii/Geothermal Resources

Foreign and domestic discussions on natural geothermal power and potential use of Picoware to stimulate these natural systems, 3572 (BNWL-1316)

Hawaii overview, 287

Hawaii overview: partial presentation on the geothermal resource exploration and development potential of the state of Hawaii, 313

Hawaii survey, 356

Results and power generation implications from drilling into the Kilauea Iki Levee Lake, 206

Hawaii/Heat Flow

Heat flow, Hawaiian area, 1969

Hawaii/Volcanics

Dissemination on the U-238 series in recent volcanic rocks, 2070

Hawaii/Volcanoes

Drilling at the summit of Kilauea volcano, 2651 (PB-23711)

Volcanological observations, 2365

Heat Exchangers

See also Heat Pumps

Geothermal heat in New Zealand, 316

Heat Exchangers/Cleaning

Geothermal plant cleaning system (Patent), 3206

Heat Exchangers/Corrosion Protection

Corrosion of copper and its alloys in geothermal waters, 3180

Heat Exchangers/Design

Application of direct contact heat exchangers to power generation systems utilizing geothermal brines, 3094

Geothermal B and D project report for period July 16, 1974-September 30, 1974, 1600 (AMC-1190)

Siberia's hidden heating system, 3076

Technological 'breakthroughs' promises to tap geothermal power cheaply (Downhole heat exchanger), 3061

Heat Flow

Comments on a paper by Ki-iti Horai and Anos Nur, "Relationship among terrestrial heat flow, thermal conductivity, and geothermal gradient" (1970), 3764

Heat flow in random medium — first order theory, 3730

Heat Flow/Aerial Monitoring

Rapid reconnaissance of heat flow patterns in snow-covered thermal areas, 1875

Heat Flow/Data Compilation


Review of heat flow data, 3544

Heat Flow/Data Processing

Heat flow data analysis, 3526

Heat Flow/Differential Equations

Propagator matrices for some geothermal problems, 3631

Heat Flow/Measuring Instruments

Device for determining heat flows, 1749

Geothermal heat flow probe for in situ measurement of both temperature gradient and thermal conductivity, 2049

Heat flux transducer for thermal surveys, 2260

Nature and assessment of heat flow from hydrothermal areas, 1826

Some problems in digital heat flow measurement, 1794

Temperature errors introduced by temperature-measuring probes, 1795

Heat Flow/Measuring Methods

Geophysical heat flow measurements (principles and results), 1766

Heat flux estimation in geothermal areas based on the heat balance of the ground surface, 2213

Heat flux estimation in geothermal areas based on the heat balance of the ground surface, 3655

Measurements of heat flow over land, 1751

Measurement of thermal flux using heat flow meters, 1786

Methods for the measurement of temperature and heat flow in soils, 1873

Methods of geothermal measurement on continents with particular regard to prospecting, 1956

Methods of studying heat flow in the ocean bottoms, 2264

Nature and assessment of heat flow from hydrothermal areas, 1926

Present state of heat flow observations, 1854

Problems in measuring temperature and terrestrial heat flow in deep bore-holes, 1872

Rapid heat-flow surveying in geothermal areas utilizing individual snowfaolls as calorimeters, 2017

Techniques of measuring heat flow through ocean floor, 1595

Techniques of measuring heat flow on land, 1856

Thermal state of the Earth, 3495

Heat Flow/Variations

Some geophysical implications from gravity and heat flow data, 1860

Heat Pumps/Ground Water

Hydrologic analysis of the groundwater-heat exchange force heat pump system, 3167

Heat Pumps/Liquid Wastes

Hydrologic analysis of the groundwater-heat exchange force heat pump system, 3167

Heat Storage/Underground

Heat-storage wells for conserving energy and reducing thermal pollution, 3062

Heat Transfers

See also Convection

Heat Flow

Energy (Book), 9

Fundamentals of heat transfer (Book), 3530

Heat Transfer/Thermodynamics

Heat transfer Bibliography-Russian works (416 references), 3636

Heat transfer bibliography (595 references), 3637

Heat transfer bibliography—Japanese works (46 references), 3636

Heat Transfer/Measuring Instruments

Device for determining heat flows, 1749

Nature and assessment of heat flow from hydrothermal areas, 1826

Heat Transfer/Reviewing

Heat transfer — review of current literature (446 references), 3621

Progress in heat transfer review of 1966

Heat Transfer/Simulation

Endoclave: new device for study of heat and mass transfer by simulation of geophysical bodies and processes under dynamic conditions, 3694

Heavy Water/Production

Geothermal steam for power in New Zealand, 444

Heavy water production with geothermal steam, 2940

Heavy Water/Thermodynamic Properties

Thermal diffusion of 1:1 electrolytes in ordinary and in heavy water, 3797

Helium/Speed of Sound

Geological investigations, sampling and diamond-drilling at Manyeghi helium-bearing hot springs, 1319

Helium Isotopes/Isotope Ratio

Anomalous isotopic composition of helium in volcanic gases, 2111

Isotope composition of helium in ultrabasic xenoliths from volcanic rocks of Kamchatka, 2239

Isotopes of helium and tritium in volcanic springs, 2991

Hot Springs
Fumaroles, hot springs, and geysers, 660
Hot spring problem (classification of Yellowstone National Park springs by water chemistry), 795
Isotopic geochemistry of water and carbon in geothermal areas (contamination of juvenile waters), 2474
Mineral resources of the Bighorn Basin (Wyoming) (information on Cody and Thermopolis hot springs), 765
Mineral resources of Douglas, Greer, and Washoe counties (describes Steamboat Springs and mentions Gerlach hot springs), 602
Natural hot water heaters (popular account), 727
Observations on some thermal springs in Nevada (date on three springs), 810
HOT SPRINGS/AFRICA
Carbon dioxide-bearing hot springs in the Songwe River Valley, Mbeya district, 2293
Helium and hot spring investigation progress report, 456
Hot springs investigation progress report (80-13594), 2347
Thermal waters of Swaziland, 1454
Underground waters at the present time. Their regime, temperature, and composition from the viewpoint of the role they play in the economy of the Earth's crust, 1592
HOT SPRINGS/ALASKA
Fumaroles in southeastern Alaska, 815
Geology of Sitkin Island, Alaska, 811
Mineral springs of Alaska (with a chapter on the chemical character of some surface waters of Alaska, by Richard B. Dole and Alfred A. Chambers), 768
Objectives, methods, and progress of Alaskan (Aleutian Islands) volcanic investigations of the U.S. Geological Survey, 880
Seward Peninsula, 816
Valley of Ten Thousand Smokes, 760
Valley of Ten Thousand Smokes, 771
HOT SPRINGS/ALEUTIAN ISLANDS
Akutan Volcano, 1501
Objectives, methods, and progress of Alaskan (Aleutian Islands) volcanic investigations of the U.S. Geological Survey, 880
Seward Peninsula, 816
Valley of Ten Thousand Smokes, 771
Volcanic activity on Unimak and Great Sitkin Islands, 1946-48, 1043
Volcanic activity on Akun and Akutan Islands, 1056
Voyages and travel in various parts of the world during the years 1803, 1804, 1805, 1806, and 1807, Parts 1 and 2, 982
HOT SPRINGS/ALGERIA
Agency of algae in the deposition of travertine and silica from thermal waters, 783
Observations on some western American thermal algae, 960
HOT SPRINGS/ARGENTINA
Fumaroles and Argentine mineral waters, 2309
HOT SPRINGS/ARIZONA
Arizona, Gillard Hot Springs, 395
Geothermal waters of Arizona. Progress report, 364
Indian Hot Springs, Graham County, Arizona, 784
Report on the geology of portions of California, Nevada, Utah, Colorado, New Mexico, and Arizona, examined in the years 1937, 1973, and 1983
HOT SPRINGS/ARKANSAS
Radioactivity of spring waters of Hot Springs National Park and vicinity in Arkansas (Radon content), 664
HOT SPRINGS/BRAZIL
Underground waters at the present time. Their regime, temperature, and composition from the viewpoint of the role they play in the economy of the Earth's crust, 1592
HOT SPRINGS/AUSTRALIA
Survey of mineral and thermal waters in Australia, 1462
HOT SPRINGS/AUSTRIA
Report on the present state of our knowledge with respect to mineral and thermal waters, 1004
HOT SPRINGS/BAHAMAS ISLANDS
Fumaroles of the Abacos (Boiling springs), 1061
HOT SPRINGS/BACTERIA
Bacterial origin of sulfuric acid in sulphurous hot springs, 864
Bacterial origin of sulfuric acid in geothermal habitats, 3585
HOT SPRINGS/BELGIUM
Mineral and thermal waters of Belgium, 1437
Origin of thermal waters by Chaudfontaine (Vesdre Valley), 1061
HOT SPRINGS/BIBLIOGRAPHIES
Occurrence and distribution of thermal springs, 663
Summary of literature on thermal springs, 866
Summary of studies of thermal waters and volcanic emissions of the Pacific region, 1956-61, 1227
Thermal springs of the United States and other countries of the world—a summary, 682
HOT SPRINGS/BOLIVIA
Aguas Quentes de Itatibito, Minas Gerais, 1010
Aguas Santas hot spring, Tirsantences, Minas Gerais,

99 INDEX

HOT SPRINGS/BULGARIA
River Mbea, District of Bucharest, 991
INDEX HOT SPRINGS/CZECHOSLOVAKIA

1050
HOT SPRINGS/BRITISH COLUMBIA
Geothermal project (Canada Geological Survey Paper 74-1), 1644
HOT SPRINGS/BULGARIA
Hot springs of Bulgaria, 1142
Hydrogeological investigations of the thermal-mineral waters of Bulgaria, 2480
Mineral waters in Bulgaria, 2490
Some conclusions from recent hydrogeological investigations of the thermal springs of south Bulgaria, 1193
Springs in Bulgaria, 1192
Underground waters in Bulgaria, 1039
HOT SPRINGS/CALIFORNIA
Callotoga Silver Mines, 405
Contra Costa County, 185
Economic deposits of the San Jacinto quadrangle, 780
Geology and mineralogy of Shasta County, 407
Geology and hydrology of Agu Caliente Spring, Palm Springs, California, 629
Geology of the MacDoel Quadrangle, California, 194
Geology of the Little Antelope Valley clay deposits, Mono County, California (Casa Diablo geothermal area), 827
Geothermodynamics (Wendel Hot Springs), 3359
Indo County, 178
Inyo County, 180
Isotopic geochemistry of hot springs, 2326
Kern County, 191
Las Vegas County, 182
Mercury contents of natural thermal and mineral fluids, 2572
Mines and mineral resources of Monterey County, California, 220
Modoc County, 183
Mono County, 180
Mono County, 406
Placer County, 179
Point Arena, Hot springs, 857
Point arena hot springs, 866
Report on the geology of portions of California, Nevada, Utah, Colorado, New Mexico, and Arizona, examined in the years 1871, 1872, and 1875, 943
Riverside County, 199
San Diego County, 187
Santa Barbara County, 177
Santa Barbara County, 180
Tehama County, 181
Thermal and mineral waters of non-astronomic origin, California coast ranges, 2616
Tulare County, 180
Ventura County, 184
Ventura County, 192
Water supply in the state of California, 1465
Thermal springs in the southern Rocky Mountains of Canada, 2590
HOT SPRINGS/CENTRAL AFRICAN REPUBLIC
Mineral and thermal waters of Rwanda, 1453
HOT SPRINGS/CHILE
Investigation of reservoirs of natural steam at Tatoo, 965
Hydrogeology of the Atacama Desert, 965
HOT SPRINGS/CHINA
Origin of the mineral springs in Yunnan (China), 1303
HOT SPRINGS/COLORADO
Geothermal resources of Colorado, 920
HOT SPRINGS/CONVOLUTION
Convection model for thermal springs in the southeast, 937
HOT SPRINGS/COSTA RICA
Central American volcanoes, 1595
HOT SPRINGS/CZECHOSLOVAKIA
Conservation of thermal waters from the point of
in the future discovery of ore deposits, 2317
Thermal springs in Tanzania (Relation between temperature and evolution of He and CO₂), 2485
Thermal water in the Jolana geothermal field, 2487
Trinitium content of hot springs in some geothermal areas, 2485

HOT SPRINGS/GEODETIC DEPOSITS
Analyses of some geothermal deposits, 947
Identification of Aragonite in the incrustations forming in deep geothermal waters, 1045

HOT SPRINGS/GEODETIC SURVEYS
Evaluating the geology of the Rhine River basin in Nijepa and Nagano prefectures, 1993
Geological study on hot springs in Noboribetsu, 1226

HOT SPRINGS/GEOLoGY
Brief notes on the geology of the Issanawa hot springs area, 1178
Contributions to the geological chemistry of hot waters of the Izu-Hakone Volcanic Zone, 1101
Geological considerations on the sources of hot springs and geothermal areas, 794
Geological and radiometric survey at Tamagawa hot spring, 1117
Geological study on mineral springs in Hokkaido, 1195

Geological study on mineral springs (230 hot springs in Hokkaido), 1223
Geology and thermal waters of Gojojiki hot spring, Aso Prefecture, 1112
Geology and hot springs of Takinoue geothermal area, Iwate Prefecture, 1156
Geology and geothermal areas in the Taupo Volcanic Zone, New Zealand, 1246
Geology and thermal springs of Gojojiki hot spring area, 1156
Geology and geothermal temperature appearing at the hot boring of Hachisuka hot-spring health center, 1121
Geology and hydrology of Agua Caliente Spring, Buenaventura, Colombia, 1235
Geology of mineral springs, 3413
Geology of the Arife subdivision, Mazara, Algeria, 1983
Geothermal energy, 689
Geothermal prospects in New Mexico, 918
Goryachii Plazh deposit of thermal water and steam (Kunashir Island), 1192
Hot springs of the Karymsky Valley, 1092
Hydrogeological investigations of the thermal mineral waters of Bulgaria, 1235
Hydrogeology of the Aso-Ike-Thermes Area, 1194
Hydrogeological study of the Some Hot Springs at Yunosawa, Aki Prefecture, Japan, 1471
Hydrogeological investigations of the thermal mineral waters of Bulgaria, 1836
Hydrogeological conditions of formation and regularities of distribution of the thermal waters of the Azerbaizhan SSR, 2488
Information on studies of "endogenous forces" in Nicaragua, 1134
Point Arena hot springs, 857
Point Arena hot springs, 666
Principles of geology, 3422
Principles of geology, 3423

Relation of occurrence of hot springs to geological structure and geothermal structure in Koma-Nagaoka hot springs, Shiizuka Prefecture, 1119
Report of the geological studies of hot springs in Japan, 1189
Report on the geology of portions of California, New Mexico, Arizona, and Colorado, 1846

Report of the geology of the Jolana geothermal field, 1207
Seisso-Gware geothermal region in Gunma Prefecture, 2474
Some problems in geothermal exploration, 1616

Springs in the vicinity of Socoa, New Mexico, 828
Te Pui hot springs, 1030
Text-book of geology, Volumes 1-2, 3384
Thermal and superheated water, 1286
Thermal springs and geothermal areas, 1286
Thermal springs in the United States, 791
Thermal springs and epithermal ore deposits, 665
Thermal springs of Montecatini, 1047

Thermal water in the Joban coal field, 3236
Volcano slope springs in Japan, 1141
Volcanic gases and hot springs, 3462

HOT SPRINGS/PHYSICAL SURVEYS
Geophysical investigations of Manyeghi hot springs, 1762
Location of hot springs in New Zealand, 1768
Review of research on "endogenous power" in different regions of the world during the last 35 years, 1712

Summary review of geophysical studies on Noboribetsu hot spring in Hokkaido, 499
HOT SPRINGS/HEAT FLOW
Distribution of hot springs of the world, 721
HOT SPRINGS/GERMAN DEMOCRATIC REPUBLIC
Mineral waters of the German Democratic Republic, 1439
Source of the salt content of the mineral waters of Vogtland and northwest Bohemia, particularly the Karlsbad mineral waters, 1315
HOT SPRINGS/GERMAN FEDERAL REPUBLIC
Mineral and thermal waters of the Federal Republic of Germany, 1895
Volcanic and hot springs in Kyushu, Japan, 1836
HOT SPRINGS/ICELAND
Geothermal investigations at Manyeghi hot springs, 1762
Geothermal investigations of thermal waters containing a high salt content, 980
Report on the present state of our knowledge with respect to mineral and thermal waters, 1004
Sands and waters of Hungary, 993
Thermal and mineral health waters of Hungary, 1440

HOT SPRINGS/HYDROLOGY
Geology and hydrology of Agua Caliente Spring, Anza Springs, California, 1235
Goryachii Plazh deposit of thermal water and steam (Kunashir Island), 1192
Hot springs in Hokkaido, 1316
Hydrogeological investigations of the thermo-mineral waters of Bulgar, California, 1235
Hydrogeological study of the Some Hot Springs at Yunosawa, Aki Prefecture, Japan, 1471
Hydrogeological investigations of the thermo-mineral waters of Bulgaria, 1836
Hydrogeological conditions of formation and regularities of distribution of the thermal waters of the Azerbaizhan SSR, 2488
Relation of the water level of Lake Suwa to the discharge of the Kamisuwa hot springs, Nagano Prefecture, 1120

Springs in the vicinity of Soccoro, New Mexico, 1826
Studies on the chemical composition and levels of ground water at Misaan hot springs, 2362
Sulfur isotope determinations as a geochemical tool, 897
Thermal and superheated water, 1286

HOT SPRINGS/ICELAND
Isotopic distribution of pH values of thermal springs of the world, 791
Character of hot springs of Iceland with a review of the tectonics of middle north Iceland, 1023
Chemistry of thermal waters and gases in Iceland, 2446

Explanation on the geological atlas of Iceland, 1062
Geology of Hellisheidi, 1156
Hot springs and thermal energy, 1246
Hot springs of Iceland and their importance in connection with supply of electricity, 1041
Hot springs west of Torfajokull in Iceland (Occurrence, erosive activity, and chemical precipitation), 1589
Hot springs of Iceland, their animal communities, and their zoogeographical significance (in the West Geology of Iceland), 1023
Hot springs on Iceland and their use: impressions of travel (Special reference to Reykjadalur region), 1023

Hot springs as a factor of the Icelandic cultural landscape, 1102
Hydrogen isotopes in hydrogeological studies in Iceland, 2489
Physical-geographic sketch of Iceland with special consideration of volcanic phenomena, 1336
Physical geography of Iceland, 1996

Report on the present state of our knowledge with respect to mineral and thermal waters, 1004
Some additional notes on thermal activity in Iceland, 1011
Iceland (Analyses of gases, temperature measurements, and activity of hot springs), 996
Thermal springs in Reykjavik, Iceland, 992

HOT SPRINGS/IDAHO
Geothermal potential of Idaho (Review with 70 references), 265

HOT SPRINGS/INDIA
Investigation of hot springs for geothermal energy exploitation, 966
Lithostratigraphy of Swatganga, a thermal spring of Brahmar, West Bengal, India, 1534
Problem of high-temperature springs of India (including data on geologic and magmatic waters, heat supply, and magmatic emanations), 1597
Studies on geochemistry of thermal springs at Dewa Hills District, 2422
Thermal springs of India and their development, 1500

HOT SPRINGS/INFRARED SURVEYS
Infrared thermal sensing, 1886
Sensor detection capabilities study, 2007

HOT SPRINGS/IRELAND
Thermal spring in Co. Kildare, 1267

HOT SPRINGS/JAMAICA
Composition of amemics (minerals) in the geothermal zone, 2599
Considerations on flow, heat and chemical composition of Italian hot springs, 1215
Decisive Italian contribution to the exploitation (fitty) of thermal waters, 1204
Fumaroles and boiling springs of Tuscany and the geology, 2300
Geochemical research on the mineral waters of Montecatini springs (Pistoia), 2332
Geological and radiometric studies of the boreal forest region, 977
Hydrothermal manifestations of Castelidoria (northern Sardinia), 1009
Italian thermal and mineral springs, 1441
Mineral and thermal waters of the Gulf of Naples region, 2333
Mineral springs of the Ambruzzi Valley, 1076
Proposal to classify genetically the thermal Italian springs, 1086
Report on the present state of our knowledge with respect to mineral and thermal waters, 1084
Springs of the Apuan Alps and sources of hot mineral springs, 1236
Studies and research in progress in Caspian and Piegrel Island conducted toward the use of subsolar energy, 2325
Thermal springs of Montecatini, 1047

HOT SPRINGS/JAPAN
Thermal and mineral springs of Jamaica, 1416

HOT SPRINGS/JAPAN
Acid alteration and the formation of halotrichite and alunogen at the volcanoes and hot springs in Japan, 1399
Arsenic content of the hot spring waters in Kanagawa and Onokibe districts, Minami prefecture, 2501
Arsenic in thermal waters and deposits of Manza hot springs, Gunma prefecture, 2512
Beppu hot springs and the tide, with the effect of oceanographic pressure, 1011
Brief notes on the geology of the Iwakugo springs (Average temperature 97.5°C), 1213
Chromatographic chemical components in thermal-spring water during transportation through pipelines, 2577
Chemical and hygienic studies on natural radioactive spas. I. Natural radioactive nuclides in hot-spring water at the Misasa spa area, 2559
Chemical and hygienic studies on natural radioactive spas. II. Natural radioactive nuclides in hot-spring water at the Misasa spa area, 2560
Chemical components of the hot spring waters in Nagano prefecture, 2466
Chemical composition of Usukidani hot spring in Nagano prefecture, 2455
Chemical investigation of hot springs in Murayama hot-spring basins, Yamanashi Prefecture, 2434
Chemical studies on the hot springs in Saga prefecture, the Yawata hot spring, 1310
Chemical studies on the hot spring of Beppu, the local specific feature of the Beppu hot spring (1), 2391
Chemical studies of the hot spring waters in Akita Prefecture, 2370
Chemical studies of the mineral springs in the Izu Peninsula, 2161
Colloid silica in hot-spring water, 2561
Consideration of the origin of the hot water of Tanagawa Hot Spring, Akita Prefecture, 2228
Constituents and genesis of a few minerals produced from hot springs and their vicinities in Japan, 2597
Contamination with sea water and the formation of deposits inside the conduit pipe at Shirahama thermal springs, Wakayama prefecture, Japan, 1077

HOT SPRINGS/ICELAND
Contribution to the thermodynamic analysis on the heat sources of Ghana hot springs in the vicinity of Unzen volcano district, 1126
Correlation between the rate of temperature change and the pressure head in the Beppu hot springs, the stratified type, 1017
Determination of the chloride-35/chlorine-37 ratio in Beppu hot spring water by fast neutron activation analysis, 2528
Distribution of the subsurface temperature and the hot spring veins in the old city of Beppu, 1938
Distribution of certain geophysical elements in the hot springs district of Beppu, 1019
Example of variation in constituents of hot springs, 2377
Explanatory text of the geological map of Japan, Scale 1:50,000, 1129
Explanatory text of the geological map of Japan, Scale 1:50,000, 1113
Formation of the sulfate ion in thermal waters, 2355
Geochemical study on hot springs in Noboribetsu, 1257
Geochemical studies on the district around Mt. Norikura (1) on the hot springs "Shirahone", 2429
Geochemical studies on the hot springs in Sannin district and the surrounding area, 2458
Geochemical studies on mineral springs, Pt. 9, on the hot springs in Kanagawa Village, Izumo, 2381
Geochemical study of iodine in volcanic gases, 2440
Geochemical study on the variation of hot spring waters caused by the Meteorites of the Urake swarm, 1435
Geochemical studies on Tanagawa Hot Spring, 1229
Geochemical investigation of geysers in Japan, 2328
Geochemical investigations of geysers in Japan, 2395
Geochemical investigation of hot springs in Ichinomiya District, Yakage Prefecture, 2435
Geochemical investigation of the hot springs in the Zao volcanic region, 2436
Geochemical studies on mineral springs, Part II, Change of chemical components with lapse of years in the spa, 2437
Geochemical investigation of mineral springs in the Shirakata volcanic region, 2463
Geochemical study on fumarolic gases and hot spring waters of volcano Shirane and the surrounding area, 2464
Geochemical studies on mineral springs of Echigo-Yuzawa Spa, 2487
Geologic consideration of the abnormal temperature distribution in the hot springs at Atami, Shizuoka-ken, Japan, 1025
Geological study on hot springs in Noboribetsu, 1258
Geological study of hot springs in Kypshu, Japan, V. Some not hot springs in the Kagogima group, with special reference to thermal water of Meizan, 2512
Geological and radiometric survey at Tanagawa hot spring, 1117
Geological study on mineral springs in Hokkaido, 1195
Geological study on mineral springs (230 hot springs in Hokkaido), 1223
Geology and thermal waters of Gojojiken hot spring area, Yuzawa Prefecture, 1178
Geology and hot springs of Takinoue geothermal area, Yuzawa Prefecture, 2561
Geology and geothermal area appeared at the test boring of the Kii Peninsula, 1121
Geology and Hot springs of Kuroyu geothermal area, Yuzawa Prefecture, 2518
Hot springs in the southern and central parts of the Kii Peninsula, 2434
Hot springs in Hokkaido, 1316
Hot springs in the southern and central parts of the Kii Peninsula, 2348
Hot springs of the Shinonski-Mura area, Shiribeshi Province, 2445
Hot springs in Kesennuma Prefecture, 2, 2531
Hot spring water of Shinozaki Toge Hot Spring, eezawa Prefecture, 2567
Hydrogeological study of the Soma Hot springs at Yunosawa, Akita Prefecture, Japan, 1471
Investigation of the movement of infiltrating acidic hot-spring water in the ground by means of radio-isotopes, 1201
Investigation by drilling on the geothermal area of Bake Hot Spring, Yuzawa Prefecture, 2716
Isotopic composition of hydrogen and variation of density of the hot springs, 2386
Manza thermal springs, Gunma, 1104
Mercury content of several acid hot springs in...
Physical and chemical investigation of Ketetahi Hot Springs, in the geology of Tongariro National Park, 1253
Search for gold, silver, and other minerals in hot springs of Wairakei, New Zealand, 1252
Te Puia hot springs, 1930
Hot Springs of New Zealand, 507
Thermal waters of Banks Peninsula, Canterbury, New Zealand, 420
Trip through the Hot Lake District, New Zealand, 1954
Tritium determinations on bore waters in the vicinity of chlorine-enriched relations, 2497
Underground water in New Zealand, 1222
Volcanology 1927-29, 1136
Waiwera (hot springs) near Auckland, New Zealand, 1988
Hot Springs/Nicaragua
Central American volcanoes, 1595
Information on formation of "endogenous forces" in Nicaragua, 1134
Hot Springs/North America
Underground waters at the present time. Their regime, temperature, and composition from the viewpoint of the role they play in the economy of the Earth's crust, 1992
Hot Springs/Origin
Large springs in the United States, 774
Observations on some west American thermal areas, 960
Temperatures in the lava bed of east-central and south-central Oregon, 698
Thermal springs and wells, in Oregon, 891
Zeolites from Ritter hot spring, Grant County, Oregon, 989
Hot Springs/Origin
Aqu Quente de Itabirito, Minas Gerais, 1010
Consideration of the origin of the hot waters of Tamagawa Hot Spring, Aita Prefecture, 1228
Distribution of the subterranean temperature and the hot spring veins in the old city of Beppu, 1018
Fumarolic-hot spring and "epithermal" mineral deposit environment, 562
Hot springs and hydrothermal eruptions of Waiohupu, 1133
Hot springs of the Yellowstone National Park, 706
Hot springs as a factor of the Icelandic cultural landscape, 1102
New Zealand's Hot Springs, 2316
Not all the discussion of the papers presented in the Symposium on Hot Springs, and general summary of the Symposium on Hot Springs, 850
Origin of the mineral springs in Yunnan (China), 1393
Origin of thermal waters by Chaudfontaine (Vedra Valley), 1981
Origin of thermal and mineral waters in the middle Zambezi Valley and adjoining territory, 1057
Physical character of hot-spring and geyser deposits, 799
Proposal to classify genetically the thermal springs of Oregon, 424
Questions on the origin of the thermal springs of Kamchatka, 1095
Rainfall and juvenile water as the feeding origins of the hot springs in Beppu, 1016
Studies on formation mechanism of thermal springs by the analysis of their chemical compositions, 1016
Interrelation between the temperature and the principal constituents of thermal waters and distribution of chemical components in Lizeke Spa, 2309
Thermal mineral springs of Venezuela. Springs in Aqua Caliente, Bachira, 1013
Hot Springs/Reykjavik Thermal Field
Relation between altered zones and fumaroles and hot springs in the Otake thermal region, Oita Prefecture, 1079
Hot Springs/Pacific Ocean
Summary of studies of thermal waters and volcanic eruptions in the Pacific Ocean, 1526-61, 1527
Hot Springs/Pakistan
Thermal water of Pakistan, 1261
Hot Springs/Pauzhetsk Geothermal Field
Pauzhetsk hot springs of Kamchatka as an example of a high-temperature artesian system, 1302
Hot Springs/Peru
Chemical analysis of 30 mineral springs of Peru, 2303
Determination of boron in waters and soils of Peru, 2319
Hot Springs/Philippine
Biodiesel distribution of pH values of thermal springs of the world, 731
Hot Springs/Philippines
Catalogue of active volcanoes of the world including solfataras fields, Philippine Island and Cochín, China, 1063
Descriptive study of some mineral springs of the Philippines, 1596
Geologic reconnaissance of southeastern Luzon, 978
Geologic reconnaissance of the Island of Leyte with notes and observations on the adjacent smaller islands and southwestern Samar, 977
Geologic-mining record of the Philippine Islands, 1587
Geothermal study of Tonganu Springs, Creoc City, Leyte, 1473
Philippine water supplies, 984
Report on the geology of the Philippine Islands, 972
Salt industry and resources of the Philippine Islands, 983
Study of thermal springs in the Philippines, 991
Travels in the Philippines during the Visit to the Philippine Islands, 1140
Water supplies in the Philippine Islands, 2, 2294
Water supplies in the Philippine Islands, 901
Hot Springs/Physical Properties
Fabulous Yellowstone, 796
Hot Springs/Pollution
Contamination with sea water and the formation of deposits into the conduit pipe at Shiriyama thermal springs, Wakayama prefecture, Japan, 1677
Hot Springs/Portugal
Report on the present state of our knowledge with respect to mineral and thermal waters, 1004
Hot Springs/Power Potential
Bol'shie Bannyye springs in the Khamchats, 478
Hot Springs/Puerto Rico
Survey of the geology of Puerto Rico, 1071
Hot Springs/Radioactivity
Gamma radiometric survey of some of the geothermal areas of the North Island of New Zealand, 2349
Geological and radiometric survey at Tazawaga hot spring, 1117
Radioactivity of the thermal waters, gasses, and deposits of Yellowstone National Park, 2304
Radon-222 distribution in hot springs and the origin of high radon in hot springs of New Zealand, 1470
Radon alpha-track survey of a potential geothermal resource area, 757 (LRL-3225)
Hot Springs/Radon
Radioactivity of spring waters of Hot Springs National Park and vicinity in Arkansas, 964
Hot Springs/Republic of Korea
Chemical study on the hot spring waters in korea determination of radon, 2497
Hot Springs/Review
Fumaroles, hot springs, and hydrothermal alteration, 674
Hot Springs/Rocks
Rock alteration associated with thermal springs, 803
Hot Springs/Romania
General review of the mineral and thermal waters of Hunania, 1442
Hot Springs/Salton Sea
Med ponds, steam vents, and thermal wells on east side of Salton Sea, 807
Hot Springs/Seismic Effects
Effects of the Neboan Lake earthquake of August 17, 1904, on the hot springs of the Firehole Geyser Basin, Yellowstone National Park, 836
Geochemical study on the variation of hot spring waters caused by the Matsuhito earthquake swarms, 1432
Report on the Tokachi-Oki earthquake, Hokkaido, Japan, March 4, 1952, 2878
Study on the variation of Kamisana and Nuryu Hot Springs caused by the Matsuhito earthquake swarms, 1433
Hot Springs/South Africa
Thermal springs on Frischgewaag 236 near Paarl, 2416
Thermal springs on Frischgeweag 236 near Paarl, 2416
Thermal springs at Liliani, Natal, and their geologic setting, 2406
Hot Springs/South America
Underground waters at the present time. Their regime, temperature, and composition from the viewpoint of the role they play in the economy of the Earth's crust, 1592
Hot Springs/South Vietnam
Catalogue of active volcanoes of the world including solfataras fields, Philippine Island and Cochín, China, 1062
Thermal and mineral springs of South Viet Nam, 1445
Thermalesinal sources of the Vietnan center, 2413
Hot Springs/Southern Rhodesia
Origin of thermal and mineral waters in the middle Zambezi Valley and adjoining territory, 1057
Hot Springs/Spain
Mineral and thermal waters of Spain, 1094
Report on the present state of our knowledge with respect to mineral and thermal waters, 1094
Hot Springs/Sri Lanka
HOT SPRINGS/VOLCANIC REGIONS
INDEX 106

Investigation of the Kamchatka volcanoes, 1072

HOT SPRINGS/WAIOTAPU GEOTHERMAL FIELD
Hot springs and hydrothermal eruptions of the Katla volcano, 1133

HOT SPRINGS/WAIKAEI GEOTHERMAL FIELD
Chemical prospecting of hot spring areas for utilization of geysers and geothermal systems, 2417

HOT SPRINGS/WASHINGTON
Geothermal energy potential of Washington, 932
Survey of thermal springs in Washington State, 1497

HOT SPRINGS/WEST INDIES
Some bore measurements in West Indian Souffrière, 1089

HOT SPRINGS/WYOMING
Cavern development by thermal springs, 925
Geology and water resources of the Bighorn Basin, Wyoming, 764
Hot-spring problem (Classification of Yellowstone National Park springs by water chemistry), 790
Mineral resources of the Bighorn Basin (Wyoming) (Information on Cody and Thermopolis hot springs), 765

HOT SPRINGS/YELLOWSTONE NATIONAL PARK
Black Hills and the American wonderland, 944
Survey of the hot springs of Yellowstone National Park, 787

HOT SPRINGS/YUGOSLAVIA
Cesium and other alkali elements in thermal springs of Gornja Trepa and Mlakovac thermal springs, 829

HOT SPRINGS/ZAIRE REPUBLIC
Power generation from hot springs, 3097
Thermal and thermo-mineral springs of the Congo Democratic Republic, 1451

HOT SPRINGS/ZAMBIA
Thermal and mineral waters of Zambia, 1459

HOT-DRY-ROCK SYSTEMS
Energy crisis: are we running out, 326
Filtration of heat carriers in Earth core rocks at a depth of from 5 to 8 kilometers, 763
Method of extracting heat from deep geothermal reservoirs (Patent), 3319

HOT-DRY-ROCK SYSTEMS/ENERGY YIELD
Potential for hot-dry-rock geothermal energy in the western United States, 156 (LA-UR-70-1675)
Thermal energy from the upper Yellowstone in 1871, 921
Efficient extraction of energy from heated rock, 59

HOT-DRY-ROCK SYSTEMS/EXPLOSIVE STIMULATION
Device for extracting geothermal energy, 3269
Economics of Plowshare geothermal power, 3294
Feasibility study of a Plowshare geothermal power plant, 3283 (PNE-1550)
Feasibility study of a Plowshare geothermal power plant, 3285 (PNE-1556)
Geothermal-nuclear energy release and recovery system, 3311
Induction and growth of fractures in hot rock-artificial geothermal reservoirs, 3278 (LA-DC-72-0669)

HOT-DRY-ROCK SYSTEMS/FRACTURES
New method for extracting energy from 'dry' geothermal reservoirs, 3279 (LA-DC-72-1157)
Proposal for a nuclear power program, 3290
Recovery of geothermal energy from hot dry rock with nuclear explosives, 3305
Stimulation of geothermal systems, 3304

HOT-DRY-ROCK SYSTEMS/FRAC TURE SYSTEMS
Use of nuclear explosives for stimulation of geothermal heat, 3277 (CONF-700101-(Vol.2))

HOT-DRY-ROCK SYSTEMS/GEOTHERMAL ENERGY CONVERSION
Theoretical study of geothermal energy extraction, 3303

HOT-DRY-ROCK SYSTEMS/GEOTHERMAL ENERGY SYSTEMS
Theoretical study of geothermal energy extraction, 3303

HOT-DRY-ROCK SYSTEMS/HYDRAULIC FRACTURING
Induction and growth of fractures in hot rock, 3307

HOT-DRY-ROCK SYSTEMS/LASL GEOTHERMAL PROJECT
LASL geothermal energy program: summary of in-situ experiments in the first exploratory hole, 3312

HOT-DRY-ROCK SYSTEMS/MEETINGS
New method for extracting energy from 'dry' geothermal reservoirs, 3310
Progress of the LASL dry hot rock geothermal energy project, 3282 (LA-UR-74-1836)
Stimulation of geothermal systems, 3304

HOT-DRY-ROCK SYSTEMS/INJECTION WELLS
Method for heating a fluid, 3097

HOT-DRY-ROCK SYSTEMS/MEETING
Proceedings of the NATO-CMS information meeting on dry hot rock geothermal energy, September 17-19, 1974, Los Alamos, New Mexico, 154 (LA-5818-C)

HOT-DRY-ROCK SYSTEMS/PERMABILITY
Progress of the LASL dry hot rock geothermal energy project, 3282 (LA-UR-74-1836)

HOT-DRY-ROCK SYSTEMS/POTENTIAL
Geothermal resources at Merysville, Montana, 378

HOT-DRY-ROCK SYSTEMS/RECOVERY
Theoretical model for geothermal energy extraction, 3289

HOT-DRY-ROCK SYSTEMS/RESEARCH PROGRAMS
Geothermal energy: an emerging major resource, 328

HOT-DRY-ROCK SYSTEMS/ROCK DRILLING
Progress of the LASL dry hot rock geothermal energy project, 3282 (LA-UR-74-1836)
HYDROTHERMAL SYSTEMS/GEOTHERMAL GRADIENTS
Effect of salinity on the maximum thermal gradient of a hydrothermal system at hydrostatic pressure, 2593

HYDROTHERMAL SYSTEMS/GROUND WATER
Role of ground waters in geothermal activity of regions of contemporary volcanism, 692

HYDROTHERMAL SYSTEMS/HEAT TRANSFER
Energy appraisal of volcanic and hydrothermal geothermal systems (on the example of Kamchatka), 3624
Energy appraisal of volcanic and hydrothermal phenomena (on the example of Kamchatka), 3590
Heat and mass transfer in hydrothermal processes: physical-mathematical models and experiments, 3592
Method of measuring the dispersed heat loss on thermal fields, 697
Thermal energy of the Earth’s crust, 48
Valarkej hydrothermal system and the influence of ground water, 1107

HYDROTHERMAL SYSTEMS/HEAT TRANSFER
Current trends in hydrogeology, 3560
Geodynamics of the Lauvarnes hydrothermal system in SWRAL, 1499
Hydrogeothermal subsurface regime in the eastern Kamchatka Peninsula, 1539
Problem of movement in hydrothermal solutions, 701

HYDROTHERMAL SYSTEMS/HYDROTHERMAL ALTERATION
Hydrothermal alteration of volcanic rocks caused by hydrogen acid solutions, East Tintic district, Utah, 3475
Natural hydrothermal systems and experimental hot-water-rock interactions, Int. J. 149

HYDROTHERMAL SYSTEMS/INFRARED SURVEYS
Methods of applications of infrared aerial photography when studying the volcanoes and thermal activities of Kamchatka Peninsula, 1948

HYDROTHERMAL SYSTEMS/MINERALS
Finite element approach to the modeling of hydrothermal systems, 3693
Flow of steam-water mixtures through permeable beds, Simple simulation of natural undisturbed hydrothermal region, 3616
Heat and mass transfer in hydrothermal systems: physical-mathematical models and experiments, 3693

HYDROTHERMAL SYSTEMS/MINERALS
Quantitative estimation of hydrothermal system of Dogudani and Souzan thermal areas (Japan), 1276
Thermal energy from the Earth’s crust, 48

HYDROTHERMAL SYSTEMS/INFRARED SURVEYS
Present-day deposition of lepidolite from thermal springs in Yellowstone National Park, 759

HYDROTHERMAL SYSTEMS/STEAM WATER
Steam born of the Earth, 86
Vapor born of the Earth, 794

HYDROTHERMAL SYSTEMS/UNITED STATES
Characterization of thermal areas in regions of the deep-dyke volcanic district, 43
Crystal cavities and their liquid inclusions, 3574
Significance of the genesis of mineral deposits and rocks, 3430

HYDROTHERMAL SYSTEMS/MINERALS
Hydrothermal systems, their origin and exploration, 48
Hydrothermal processes in volcanic areas and its relations to magnetic activity, 698
Recent studies of the large natural hydrothermal systems, 908

HYDROTHERMAL SYSTEMS/POWER POTENTIAL
Power life of a hydrothermal system, 3233

HYDROTHERMAL SYSTEMS/REVIEW
Nature born (endogenic forces), state of research and considerations, 43

HYDROTHERMAL SYSTEMS/SEQUENCES
Laminated silicates in hydrothermal formations of the Donets Basin, 3641
Silicate science—hydrothermal silicate systems, 3642

HYDROTHERMAL SYSTEMS/SIMULATION
Flow of steam water mixtures through permeable beds. Simple simulation of a natural undisturbed hydrothermal region, 3616
Simulation of geothermal systems with a simple convective model, 1488

HYDROTHERMAL SYSTEMS/TEMPERATURE DISTRIBUTION
Hydrothermal processes and their consequences and its relation to magnetic activity, 691
Quantitative analysis of temperature fields due to movement of hydrothermal solutions along fractures, 706

HYDROTHERMAL SYSTEMS/THERMAL GrADIENTS
Contribution to the thermodynamic analysis on the heat source of Udorn hot springs in the vicinity of Unzen volcano district, 1136

HYDROTHERMAL SYSTEMS/THERMAL GRADIENTS
Effect of salinity on the maximum thermal gradient of a hydrothermal system at hydrostatic pressure, 2283

HYDROTHERMAL SYSTEMS/TEMPERATURE GRADIENTS
Thermal precipitation in aqueous solutions, 3637

ICELAND/BASALT
Petrogenetic relationships of acid and basic rocks in Iceland; Sr, Ce and the rare-earth elements in late and postglacial volcanics, 2621

ICELAND/BEARYHEURES
Geology of Helilseheidi, 1156

ICELAND/ELECTROMAGNETIC SURVEYS
Magnetotellurics, hydrothermal zones and a general resistivity model of Iceland, 2339
Magnetotellurics, hydrothermal zones and a general resistivity model of Iceland, 244

ICELAND/GEOTHERMAL ENERGY
Geothermal energy developments in Iceland 1950 to 1969 (Utilization, costs), 542
Geothermal heating for industrial purposes in Iceland, 486
Geothermal energy, 2961
Geothermal in Iceland, 610
Greenhouses with geothermal heating in Iceland, 3351

ICELAND/GEOTHERMAL ENERGY
Iceland's geothermal story, 364
Production and distribution of natural heat for domestic and industrial heating in Iceland, 3333
Reykjavik Municipal District Heating Service: its experience in utilizing geothermal energy for domestic heating, 3330

ICELAND/GEOLOGY
Turning turbines with geothermal steam, 17

ICELAND/GEOTHERMAL EXPLORATION
Areal infrared surveys of Reykjanes and Torfajokull thermal areas, Iceland, with a section on cost of exploration surveys, 2657
Exploration and exploitation of natural heat in Iceland, 1145
Exploration of the Reykjanes thermal brine area, 2544
Exploration and exploitation of natural heat in Iceland, 413
Exploration of subsurface temperature in Iceland, 1820
Exploration of subsurface temperature in Iceland, 2378

ICELAND/GEOTHERMAL FIELDS
Geothermal structure and its effect on the geothermal hydrology of southwestern Iceland, 1494
Geothermal energy developments in Iceland 1960 to 1969 (Utilization, costs), 542
Geothermal effects of the Pleistocene glaciation in Iceland, 1729
Invited comments (Infrared surveys), 1929
Physical characteristics of natural heat resources in Iceland, 1239
Physical characteristics of natural heat resources in Iceland, 1374

ICELAND/GEOTHERMAL GRADIENTS
Program for the exploration of high-temperature areas in Iceland, 1633

ICELAND/GEOTHERMAL GRADIENTS
Economic evaluation of Reykjanes thermal brine area, Iceland, 614

109 INDEX ICELAND/GEOTHERMAL FIELDS
<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exploration of the Reykjanes thermal field area, 1982</td>
<td>294</td>
</tr>
<tr>
<td>Geothermal fields in Iceland, 1969</td>
<td>1269</td>
</tr>
<tr>
<td>Geologic and geophysical investigations of the Hengill thermal area, Iceland, 1946</td>
<td>1046</td>
</tr>
<tr>
<td>High-temperature areas in Iceland, 1490</td>
<td>1490</td>
</tr>
<tr>
<td>High-temperature alteration halos and thermal brines, Reykjanes, Iceland, 2163</td>
<td>2163</td>
</tr>
<tr>
<td>Iceland's geothermal activity and the mercury of the Greenland icecap, 1974</td>
<td>744</td>
</tr>
<tr>
<td>Infrared imagery of Torfajökull thermal area, 1963</td>
<td>1963</td>
</tr>
<tr>
<td>Infrared surveys in Iceland - preliminary report, 2029</td>
<td>2029</td>
</tr>
<tr>
<td>Microearthquakes, swarms, and the geothermal activity of Iceland, 1970</td>
<td>2164</td>
</tr>
<tr>
<td>Microearthquake study of the Kristuvik geothermal area, Iceland, 2189</td>
<td>2189</td>
</tr>
<tr>
<td>Microearthquake survey of geothermal areas in Iceland, 1970, 2164</td>
<td>2164</td>
</tr>
<tr>
<td>Owing the structure of SW - Iceland, 1336</td>
<td>1336</td>
</tr>
<tr>
<td>Prospetion of geothermal fields and investigations necessary to evaluate their capacity, 45</td>
<td>45</td>
</tr>
<tr>
<td>Report on the Hengill thermal area. Investigations carried out in the years 1947-49, 1549</td>
<td>1549</td>
</tr>
<tr>
<td>Satellite geological and geophysical remote sensing of Iceland. Progress report, 1 Sep-31 Oct 1973, 963 (ET-74-10939)</td>
<td>963</td>
</tr>
<tr>
<td>Iceland/Geothermal Gradients</td>
<td></td>
</tr>
<tr>
<td>Constraints on temperatures beneath Iceland from magnetotelluric data, 2251</td>
<td>2251</td>
</tr>
<tr>
<td>Iceland/Geothermal Power Plants</td>
<td></td>
</tr>
<tr>
<td>Exploration of subsurface temperature in Iceland, 1980</td>
<td>1980</td>
</tr>
<tr>
<td>Exploration and exploitation of geothermal systems in Iceland, 1971</td>
<td>1971</td>
</tr>
<tr>
<td>Exploration and exploitation of natural heat in Iceland, 1971</td>
<td>1971</td>
</tr>
<tr>
<td>Foreign and domestic discussions on natural geothermal potential and use of flowmeters to stimulate these natural systems, 2572</td>
<td>2572</td>
</tr>
<tr>
<td>Beneficial use of heat in Iceland. Technical and economical aspects and future prospects (Geothermal energy), 3341</td>
<td>3341</td>
</tr>
<tr>
<td>Estimate of the natural heat resources in a thermal area in Iceland, 1950</td>
<td>1950</td>
</tr>
<tr>
<td>Exploration and exploitation of natural heat in Iceland, 1971</td>
<td>1971</td>
</tr>
<tr>
<td>General aspects of thermal activity in Iceland, 1967</td>
<td>1967</td>
</tr>
<tr>
<td>Geothermal district heating, 3556</td>
<td>3556</td>
</tr>
<tr>
<td>Geothermal energy and its use for district heating in Iceland, 3349</td>
<td>3349</td>
</tr>
<tr>
<td>Iceland's thermal geology, 1930</td>
<td>1930</td>
</tr>
<tr>
<td>Iceland thermal geology, 1980</td>
<td>1980</td>
</tr>
<tr>
<td>Iceland thermal geology, 2000</td>
<td>2000</td>
</tr>
<tr>
<td>Geothermal areas in Iceland, 1371</td>
<td>1371</td>
</tr>
<tr>
<td>Geothermal surveys in Iceland for exploring geothermal energy, 623</td>
<td>623</td>
</tr>
<tr>
<td>Geothermal areas in Iceland, 1971</td>
<td>1971</td>
</tr>
<tr>
<td>Geothermal exploration and its use for district heating in Iceland, 1967</td>
<td>1967</td>
</tr>
<tr>
<td>Iceland/Geyser</td>
<td></td>
</tr>
<tr>
<td>Character of hot springs of Iceland with a review of the tectonics of middle north Iceland, 1023</td>
<td>1023</td>
</tr>
<tr>
<td>Elements of geology, 753</td>
<td>753</td>
</tr>
<tr>
<td>Explanation of the geological atlas of Iceland, 1065</td>
<td>1065</td>
</tr>
<tr>
<td>Fumaroles, hot springs, and geysers, 660</td>
<td>660</td>
</tr>
<tr>
<td>Geysers, 746</td>
<td>746</td>
</tr>
<tr>
<td>Geysers, 754</td>
<td>754</td>
</tr>
<tr>
<td>Geysers and geyser theories, 1021</td>
<td>1021</td>
</tr>
<tr>
<td>Geysers of the Yellowstone National Park, 649</td>
<td>649</td>
</tr>
<tr>
<td>Geysers of Iceland, 1035</td>
<td>1035</td>
</tr>
<tr>
<td>Hot springs and thermal energy, 1368</td>
<td>1368</td>
</tr>
<tr>
<td>Meteorism of Geysers, 654</td>
<td>654</td>
</tr>
<tr>
<td>Renewed activity of the great geyser in Haukadalur, 1988</td>
<td>1988</td>
</tr>
<tr>
<td>Thermal spring, 969</td>
<td>969</td>
</tr>
<tr>
<td>World's geyser regions, 752</td>
<td>752</td>
</tr>
<tr>
<td>Iceland/Ground Water</td>
<td></td>
</tr>
<tr>
<td>Deuterium and chlorine in geothermal studies in Iceland, 2549</td>
<td>2549</td>
</tr>
<tr>
<td>Heat flow in Iceland in relation to the mid-Atlantic ridge, 1995</td>
<td>1995</td>
</tr>
<tr>
<td>Kinematics and heat flow in a volcanic rift zone, with application to Iceland, 1872</td>
<td>1872</td>
</tr>
<tr>
<td>Terrestrial heat balance in Iceland (Thermal gradient 0.1°C/m, heat flow 4.5 μcal/cm²/sec), 1713</td>
<td>1713</td>
</tr>
<tr>
<td>Iceland/Hot Springs</td>
<td></td>
</tr>
<tr>
<td>Bimodal distribution of pH values of thermal springs of the world, 203</td>
<td>203</td>
</tr>
<tr>
<td>Character of hot springs of Iceland with a review of the tectonics of middle north Iceland, 1023</td>
<td>1023</td>
</tr>
<tr>
<td>Chemistry of thermal waters and gases in Iceland, 1942</td>
<td>1942</td>
</tr>
<tr>
<td>Explanation of the geological atlas of Iceland, 1962</td>
<td>1962</td>
</tr>
<tr>
<td>Geology of Hellisheidi, 1136</td>
<td>1136</td>
</tr>
<tr>
<td>Hot springs and thermal energy, 1348</td>
<td>1348</td>
</tr>
<tr>
<td>Hot springs of Iceland and their importance in connection with supply of electricity, 1041</td>
<td>1041</td>
</tr>
<tr>
<td>Hot springs west of Torfajökull in Iceland (Occurrence, erosive activity, and chemical composition), 1020</td>
<td>1020</td>
</tr>
<tr>
<td>Hot springs of Iceland, their animal communities, and their zoogeographical significance (in the Zoology of Iceland), 1922</td>
<td>1922</td>
</tr>
<tr>
<td>Hot springs on Iceland and their use: impressions of travel (Special reference to Reykjavik region), 1935</td>
<td>1935</td>
</tr>
<tr>
<td>Hot springs as a factor of the Icelandic cultural landscape, 1192</td>
<td>1192</td>
</tr>
<tr>
<td>Hydrogen isotopes in hydrological studies in Iceland, 2489</td>
<td>2489</td>
</tr>
<tr>
<td>Physical and geographical sketch of Iceland with special consideration of volcanic phenomena, 1936</td>
<td>1936</td>
</tr>
<tr>
<td>Physical geography of Iceland, 1996</td>
<td>1996</td>
</tr>
<tr>
<td>Report on the present state of our knowledge with respect to mineral and thermal waters, 1004</td>
<td>1004</td>
</tr>
<tr>
<td>Some additional notes on thermal activity in Iceland (Analysis of geothermal measurements, and activity of hot springs), 996</td>
<td>996</td>
</tr>
<tr>
<td>Thermal activity in Reykjanes, Iceland, 996</td>
<td>996</td>
</tr>
<tr>
<td>Iceland/Hot-Water Systems</td>
<td></td>
</tr>
<tr>
<td>Natural hot springs in Iceland, 3527</td>
<td>3527</td>
</tr>
<tr>
<td>Iceland/Hydrology</td>
<td></td>
</tr>
<tr>
<td>Iceland: preliminary results of geologic, hydrologic, oceanographic, and agricultural studies with ENI-1 imagery, 1062</td>
<td>1062</td>
</tr>
<tr>
<td>Iceland/Hydrothermal Systems</td>
<td></td>
</tr>
<tr>
<td>Exploration of subsurface temperature in Iceland, 1920</td>
<td>1920</td>
</tr>
<tr>
<td>General features and geochemical peculiarities of Iceland hydrothermal areas, 1950</td>
<td>1950</td>
</tr>
<tr>
<td>Geology of the Laugarnes hydrothermal system in Reykjavik, Iceland, 1499</td>
<td>1499</td>
</tr>
<tr>
<td>Iceland geothermal areas, 3326</td>
<td>3326</td>
</tr>
<tr>
<td>Magnetotellurics, hydrothermal zones and a general resistivity model of Iceland, 2235</td>
<td>2235</td>
</tr>
<tr>
<td>Magnetotellurics, hydrothermal zones and a general resistivity model of Iceland, 2244</td>
<td>2244</td>
</tr>
<tr>
<td>Studies of the hot springs in New Zealand, 2306</td>
<td>2306</td>
</tr>
<tr>
<td>Iceland/Igneous Rocks</td>
<td></td>
</tr>
<tr>
<td>Migration in Iceland, 1524</td>
<td>1524</td>
</tr>
<tr>
<td>Iceland/Infrared Surveys</td>
<td></td>
</tr>
<tr>
<td>Analysis of 1965 infrared imagery of Surtsey, Iceland, 1944</td>
<td>1944</td>
</tr>
<tr>
<td>Infrared emission from Kverkfjöll subglacial volcanic and geothermal area, Iceland, 2168</td>
<td>2168</td>
</tr>
<tr>
<td>Infrared surveys in Iceland in 1966</td>
<td>1966</td>
</tr>
<tr>
<td>Interpretation of infrared imagery of Myvatn area, 1956</td>
<td>1956</td>
</tr>
<tr>
<td>Iceland/Lithology</td>
<td></td>
</tr>
<tr>
<td>Kinematics and heat flow in a volcanic rift zone, with application to Iceland, 1572</td>
<td>1572</td>
</tr>
<tr>
<td>Iceland/Magnetic Surveys</td>
<td></td>
</tr>
<tr>
<td>Constraints on temperatures beneath Iceland from magnetotelluric data, 2351</td>
<td>2351</td>
</tr>
<tr>
<td>Magnetic anomalies over Iceland, 1935</td>
<td>1935</td>
</tr>
<tr>
<td>Iceland/Microearthquakes</td>
<td></td>
</tr>
<tr>
<td>Microearthquake study of the Kristuvik geothermal area, Iceland, 2189</td>
<td>2189</td>
</tr>
<tr>
<td>Iceland/Petroleum</td>
<td></td>
</tr>
<tr>
<td>Migration in Iceland, 1524</td>
<td>1524</td>
</tr>
<tr>
<td>Iceland/Sulfatases</td>
<td></td>
</tr>
<tr>
<td>Solfatara area at Namaskard, 1216</td>
<td>1216</td>
</tr>
<tr>
<td>Iceland/Tectonics</td>
<td></td>
</tr>
<tr>
<td>Kinematics and heat flow in a volcanic rift zone, with application to Iceland, 1572</td>
<td>1572</td>
</tr>
<tr>
<td>Iceland/Thermal Waters</td>
<td></td>
</tr>
<tr>
<td>Carbonates in thermal waters, 3323</td>
<td>3323</td>
</tr>
<tr>
<td>Chemistry of thermal water and gases in Iceland, 2452</td>
<td>2452</td>
</tr>
<tr>
<td>Deuterium and chloride in geothermal studies in Iceland, 2049</td>
<td>2049</td>
</tr>
<tr>
<td>Distribution of some tritium contents in thermal waters in Iceland, 2544</td>
<td>2544</td>
</tr>
<tr>
<td>Geochronological studies of thermal waters in the Southern Lowlands of Iceland, 2569</td>
<td>2569</td>
</tr>
<tr>
<td>Hengill, a high-temperature thermal area in Iceland, 2016</td>
<td>2016</td>
</tr>
<tr>
<td>Hotwater Reykjavikur - claimed to be world's greatest geothermal installation, 497</td>
<td>497</td>
</tr>
<tr>
<td>Underground temperatures in hydrothermal areas in Iceland as deduced from the silica content of the thermal water, 2554</td>
<td>2554</td>
</tr>
<tr>
<td>Iceland/Topography</td>
<td></td>
</tr>
</tbody>
</table>
Heat flow measurements on the Reykjanes Ridge, 2117

ICELAND/VOLCANIC REGIONS

Inferred emission from Kverkfjöll subglacial volcanic and geothermal area, Iceland, 2106

ICELAND/VOLCANIC ROCKS

Petrogenetic relationships of acid and basic rocks in Iceland: Sr-isotopes and rare-earth elements in late and postvolcanic volcanics, 2621

ICELAND/VOLCANIC ROCKS

In the country of volcanoes, 1136

Outline of the structure of SW Iceland, 1336

IDAHO/ARTESIAN BASINS

Preliminary report on artesian basins in southwestern Idaho and southeastern Oregon, 761

IDAHO/GEOLGY

Gravity anomalies in Cache Valley, Cache and Box Elder Counties, Utah, and Bannock and Franklin Counties, Idaho, 698

IDAHO/GEOTHERMAL ENERGY

Heat from the Earth's surface: early development of western geothermal resources, 272

Idaho D Project and D Project report for period December 16, 1973 to March 15, 1974, 191

Idaho Geothermal R and D Project report for period March 16, 1974 to July 15, 1974, 152

IDAHO/GEOTHERMAL EXPLORATION

Environmental report: deep geothermal test wells in the Raft River Valley, 2872 (ANCR-1204)

Geothermal resources of Idaho, 286

Geothermal water and power resource exploration and development for Idaho, 284

Geothermal potential of Idaho (Snake River Plain), 284

IDAHO/GEOTHERMAL FIELDS

Preliminary report on artesian basins in southwestern Idaho and southeastern Oregon, 761

IDAHO/GEOTHERMAL POWER PLANTS

Conceptual design of a geothermal demonstration plant for the Raft River Valley, 2872 (ANCR-1204)

Low temperature demonstration geothermal power plant in the Raft River Valley, 2996 (ANCR-1136)

IDAHO/GEOTHERMAL RESOURCES

FY 1974 program plan for geothermal project, 3316 (ANCR-11139)

Geological and engineering aspects of Idaho's geothermal potential, 346

Geothermal potential of the Snake River Plain Area, 150 (ANCR-1129)

Geothermal resources of Idaho, 286

Geothermal water and power resource exploration and development for Idaho, 284

Geothermal potential of Idaho (Snake River Plain), 284

Geothermal resources. Parts I and II. Hearings before the Subcommittee on Water and Power Resources of the Committee on Interior and Insular Affairs, United States Senate, Ninety-Third Congress, First Session, 374

Geothermal potential of Idaho (Review with 70 references), 265

Idaho Legislative, 2824

IDAHO/GEOTHERMAL WELLS

Drilling plan, Raft River Geothermal Exploratory Hole No. 1, Idaho Geothermal R and D Project, 3113 (NRO-151)

In Boise, Idaho: sitting on a volcano (Two wells near Boise yield 178°F water), 868

IDAHO/GRAVITY SURVEYS

Gravity anomalies in Cache Valley, Cache and Box Elder Counties, Utah, and Bannock and Franklin Counties, Idaho, 898

IDAHO/GEOTHERMAL WELLS

Geothermal potential of Idaho (Review with 70 references), 265

IDAHO/REMOTE SENSING

Tectonic map of Idaho from ERTS imagery, 924

IDAHO/TECHNITIUM

Tectonic map of Idaho from ERTS imagery, 924

IDAHO/GEOTHERMAL WELLS

Boise unique hot water system (170°F thermal water), 3333

Geothermal investigations in Idaho. I. Geochemistry and geologic setting of selected thermal waters, 2605

IGNeous ROCKS

See also BASALT

GRANITES

GROUNDWATERS

LAVA

MAGMA

PEGMATITES

PEGMATITES

TUFF

IGNeous ROCKS/CHEMICAL COMPOSITION

Attempt at potassium-argon geothermometry and determination of thermodynamic parameters, 3666

Contains tabulated analytical data, 2346

Thermometric study of the volcanic rocks of Kauai, 1467

IGNeous ROCKS/CHEMICAL REACTIONS

Evaluation of irreversible reactions in geothermal processes involving minerals and aqueous solutions, thermodynamic relations, 3635

Meteoric water in magmas, 942

IGNeous ROCKS/ELECTRIC CONDUCTIVITY

Seismic wave velocity measurements in specimens obtained from Matsukawa geothermal area, Japan, Part 2. (In individual studies by participants), 1299

IGNeous ROCKS/ELECTRIC CONDUCTIVITY

Electric and thermal properties of rocks, 3377 (NASA-RT-F-671)

IGNeous ROCKS/GEOCHEMISTRY

Genesis of some ground waters from igneous rocks, 3589


Preliminary study of the geophysical characteristics of thermal waters in New Mexico, 2595

IGNeous ROCKS/GEOHEMMETRY

Correlative geothermometric mineral study, 3527

IGNeous ROCKS/HYDROTHERMAL ALTERATION

Alkali trachyte of sulfataras and its alteration by fumarole gases, 996

Geyser basins and igneous exhalations, 785

Hydrothermal alteration zones caused by halogen acid solutions, East Tintic district, Utah, 3475

Hydrothermal alteration in some granodiorites, 3468

IGNeous ROCKS/ISOTOPIC RATIOS

Environmentally significant isotope ratios of geothermal systems and their significance as geothermometers, 3850

IGNeous ROCKS/GRANITES

Manganese and vanadium distribution in coexisting titanomagnetites and ilmenites and their significance as geothermometers, 3950

IGNeous ROCKS/GREenschMINERAL

Manganese and vanadium distribution in coexisting titanomagnetites and ilmenites and their significance as geothermometers, 3860

IGNeous ROCKS/INTERVALS

Manganiferous mineralization in geothermal brines, 2615

Environmental aspects of the multipurpose development of geothermal resources, 2925

IGNeous ROCKS/GRANITIC

Complexity of energy release during the Imperial Valley, California, earthquake of 1940, 2900

IGNeous ROCKS/INTERVALS

Resistivity studies on the Imperial Valley geothermal area, California, 2191

Thermal and electrical resistivity investigations of the dunes geothermal anomaly, Imperial Valley, California, 2231

IGNeous ROCKS/GRANITIC

Application of the Na–K–Ca geothermometer to thermal areas of Utah and the Imperial Valley, California, 2607

Cooperative geological-geophysical-geochemical investigations of geothermal resources in the Imperial Valley, 2167

Exploration for geothermal systems in the Imperial Valley area, California, using the Na–
Italy, 2045
Ground and airborne thermal imagery on Italian volcanic areas (Quantitative approach, instruments), 2045
Investigations of exhalative hydrothermal phenomena and the probes of endogenous power, 433

Natural electric field survey in three southern Italy geothermal areas, 2273
Physical processes in geothermal areas, 3547
Prospection of geothermal fields and investigations necessary to evaluate their capacity, 45
Recent developments in geothermal research in the Monte Amiata region-the new Poggio Nibbio "field", 529

Relationships of geothermal conditions to structural and hydrogeological features in the Roccamonfina Region (Northern Campania, Italy), 1493
Seismic noise survey at Solfatara Crater, Phlegrean Fields, Italy, 2266
Structural study of the Roccastrada Zone in prospecting for steam by geophysical, gravimetric and electrical methods, 1819
The structure and behavior of geothermal fields, 747
Thermal anomalies and geothermal fields related to alkaline volcanism in Tuscany, 1241

ITALY/GEOTHERMAL RESOURCES
Earthquakes, volcanoes and natural steam deposits, 1089
Foreign and domestic discussions on natural geothermal power and potential use of Plowshare to stimulate these natural systems, 3272 (BNWL-B-119)
Geothermal energy in Tuscany (Economic importance), 2841
Geothermal energy sources and industrial utilization, 74
Geothermal energy and resources, 521
Heat-flow measurement in non-homogeneous terrains: its application to geothermal areas, 2069
Present-day hydrothermal systems and mineral deposition, 78
Proceedings of the NATO-CNS information meeting on dry hot rock geothermal energy, September 19-19, 1974, Los Alamos, New Mexico, 154 (LA-5818-C)
Research on endogenous forces in Italy, 431
Research programs on the exploitation of endogenous energy sources - activities carried out in 1966, 504
Review of geothermal resources, 213
Report on an emerging resource (in Iceland, New Zealand, Italy, Japan, USSR, Mexico), 92
Utilization of geothermal energy, 445

ITALY/GEOTHERMAL SYSTEMS
Geothermal energy in Tuscany, 1221
Seismic noise in Lipari and Vulcano Islands, Southern Tyrrhenian Sea, Italy, 2219

ITALY/GEOTHERMAL WELLS
Remarks on the geothermal phenomenon in an intensively exploited field: results of an experimental well (Evolution of field, physical properties of fluid), 2535

ITALY/HEAT FLOW
Terrestrial heat flow measurements near Rosignano Solvay (Tuscany), Italy, 2265

ITALY/HOT SPRINGS
Composition of ammonium (minerals) in the geothermal zone, 2598
Considerations on flow, heat and chemical composition of Italian springs, 1215
Decisive Italian contribution to the exploitation of thermal waters, 447
Fumaroles and boiling springs of Tuscany and the borax industry, 2300
Genetical research on the mineral waters of Montecatini springs (Pistoia), 2332
Geological studies of the boraciferous region, 997
Hydrothermal manifestations of Castelseprio (northern Sardinia), 1009
Italian thermal and mineral springs, 1441
Mineral and thermal waters of Italy, 2433
Mineral springs of the Brembo Valley, 1076
Proposal to classify genetically the thermal Italian springs, 1048

115 INDEX JAPAN/GEOLoGICAL SURVEYS
Report on the present state of our knowledge with respect to mineral and thermal waters, 1094
Springs of the Apuan Alps and source of hot mineral springs, 1236
Studies and research in progress in Campi and Flegrei Island conducted towards the use of subsoil energy, 3325
Thermal springs of Montecatini, 1047
ITALY/HYDROLOGY
Hydrogeothermal scheme of the Salentine peninsula, 1226
Hydrothermal-geologic characteristics of the island of Ischia (Naples), 1224

ITALY/HYDROTHERMAL SYSTEMS
Mineralogy of the Phlegrean Plain, 1566
Research criteria for geothermal sources, 429

ITALY/MINERAL SPRINGS
Geological research on the mineral waters of Montecatini springs (Pistoia), 2332
Geological studies of the mineral springs of Montecatini-Terme (Pistoia, Italy), 2675
Italian thermal and mineral springs, 1441
Mineral and thermal waters of the Gulf of Naples region, 2433
ITALY/MINERALOGY
Mineralogy of the Phlegrean Plain, 1666

ITALY/NATURAL STEAM
Applications of natural steam in Italy, 1053
Natural steam springs of Tuscany and their industrial exploitation, 415
Study by endogenic forces of the Neapolitan region, 2234

ITALY/SLIMIC NOISE
Seismic noise in Lipari and Vulcano Islands, Southern Tyrrhenian Sea, Italy, 2219

ITALY/SOFTARAS
Geoelectric prospecting at the Pozzuoli Solfatara, 1626
Presence of free sulfuric acid in the minerals of Pozzuoli Solfatara, 1044

ITALY/TEHERMAL WATERS
Study by endogenic forces of the Neapolitan region, 2324

ITALY/VOLCANIC ROCKS
Dissection of the U-238 series in recent volcanic rocks, 2579

ITALY/VOLCANOES
Infrared measurements of the physical properties of eruptive gases, 1972
Volcanic gases of Stromboli, 2427

J

JAPAN/HOT SPRINGS
Thermal and mineral springs of Jamaica, 1416

JAPAN/BRAINES
Origin of the Shimogamo geothermal brine, Izu, Japan, 2598

JAPAN/CLINOPTILOLITE
Clinoptilolite from Japan, 3764

JAPAN/EARTHQUAKES
Aspects on the relation of thermal water and Mt. Mutsuhiro earthquakes in Kagai hot spring area, Nagaragawa Prefecture, 2855
Report on the Tokachi-Oki earthquake, Hokkaido, Japan, March 4, 1992, 2885
Water content in the crust and the hydrothermal reaction as a possible cause for the swarm-type earthquake, 2895

JAPAN/ELECTRIC POWER
Heavy investment in Japan's electrical industry, 2548

JAPAN/ELECTRICAL SURVEYS
Electrical prospecting by the direct current method in Izu-Oshima Island, 1777

JAPAN/FUMAROLES
Alteration phenomena in the volcanic rocks at the Fumaroles, Volcano Yakedake, Prefectures Nagano-Gifu, 1173
Chemical composition of fumarole gases obtained from Iwate, 2374
Chemical nature of some fumarolic gases from Jigokudani area of Tateyama volcano, Toyama prefecture, central Japan, 2493
Geological study of fumarolic gases and hot spring waters of volcano Shirane and the surrounding area, 2498
Geology and hot springs of Taino in Na divergeomental area, Iwate Prefecture, 1150
Geology and hot springs of Karyu geothermal area, Akita Prefecture, 820
Measurements of steam and ground temperatures at some fumaroles and steaming grounds in Iwate volcanoes (1), 1518
Radioactivity of volcanic gases in Japan, 1994

JAPAN/GEOLoGICAL SURVEYS
Engineering geology of the Hime River basin in Niigata and Nagano prefectures, 1993
Explanatory text of the geological map of Japan,
Geological investigations of geysers in Japan, 2395
Studies on geysers at Unkoke, 1068
JAPAN/GROUND WATER
Flow of thermal water at Uogawa Hot Springs Area, Yamagata prefecture, 1284
JAPAN/HEAT FLOW
Geothermal and geomagnetic data in and around the island arc of Japan, 1990
Geothermal survey at Yuba in Osima Island, Izu, 1722
Heat flow in the Sea of Japan, 1939
Studies of thermal state of earth - 10, 1853
Studies of thermal state of earth, 1866
Studies of thermal state of earth; 15th Paper - Terrestrial heat flow in Japan, 1839
Terrestrial heat flow in Japan, 1203
Terrestrial heat flow in Japan, 1854
Terrestrial heat flow in Japan, 1829
Terrestrial heat flow in Japan, 1840
JAPAN/HOT SPRINGS
Acid alteration and the formation of halotrichite and alunogen at the volcanoes and hot springs in Japan, 1309
Arsenic content of the hot spring waters in Nagano and Onikobe Districts, Niigata prefecture, 2501
Arsenic in thermal waters and deposits of Manza hot springs, 2452
Beppu hot springs and the tide, with the effect of atmospheric pressure, 1821
Brief notes on the geology of the Tanagawa springs (Average temperature 97.5°C), 1215
Changes of chemical composition in thermal-spring water during transportation through pipelines, 2577
Chemical and hygienic studies on natural radioactive spas. 11. Natural radioactive nuclides in hot-spring water at the Misasa spa area, 2559
Chemical and hygienic studies on natural radioactive spas. 111. Natural radioactive nuclides in hot-spring water at the Matsutomi spa area, 2560
Chemical components of the hot spring waters in Nagano prefecture, 2466
Chemical composition of Owakideni hot spring water, Hakone, 2425
Chemical investigation of hot springs in Murayama Prefecture, 1253
Chemical studies on the hot springs in Saga prefecture, the Urashino hot spring, 1310
Chemical studies on the hot springs of Beppu, the local specific feature of the Beppu hot spring (1), 2351
Chemical studies of the hot spring waters in Akita Prefecture, 2370
Chemical studies of the mineral springs in the Matsushiro earthquake area, 2452
Colloidal silica in hot-spring water, 2561
Constituents and genesis of a few minerals produced from hot springs and their vicinities in Japan, 2237
Contamination with sea water and the formation of deposits inside the conduit pipe at Shirahama thermal springs, Wakayama prefecture, Japan, 1425
Correlation between the rate of discharge and the pressure head in the Beppu hot springs, the stratified type, 1017
Determination of the chlorine-35/chlorine-37 ratio in Beppu hot spring water by fast neutron activation analysis, 2528
Distribution of the subterranean temperature and the hot spring veins in the old city of Beppu, 1018
Distribution of certain geophysical elements in the hot springs district of Beppu, 1019
Example of variation in constituents of hot springs, 2453
Explanatory text of the geological map of Japan, Scale 1:500,000, 1129
Explanatory text of the geological map of Japan, Scale 1: 500,000 Kubo (Kagoshima - 82), 1091
Explanatory text of the geological map of Japan, Scale 1:500,000, 1129
Formation of the sulphate ion in thermal waters, 2355
Geochemical study on hot springs in Noboribetsu, 1297
Geochemical studies on the district around Mr. Norikura (1) on the hot springs 'Shirahone', 2329
Geochemical studies on the hot springs in Sanin district and the surrounding area, 2468
Geochemical studies on mineral springs, Pt. 9, on the Hot springs in Kaga Island, 2381
Geochemical study of iodine in volcanic gases, 2440
Geochemical investigation of the variation of hot spring waters caused by the Matsushiro earthquake swarm, 1432
Geochemical studies on Tanegawa Hot Spring, 1229
Geochemical investigation of geysers in Japan, 2336
Geochemical investigations of geysers in Japan, 1025
Geochemical investigation of hot springs in Shonai District, Yamagata Prefecture, 2448
Geochemical investigation of the hot springs in the Izu island arc of Japan, 2436
Geochemical studies on the hot springs at Totsukawa Valley, Nara Prefecture, 1974
Geochemical investigation of the hot springs in the Shonai District, 2453
Geochemical study on hot spring waters and hot spring waters of volcano Shirume and the surrounding area, 2454
Geochemical studies on the mineral springs of Echigo-Yuzawa Spa, 2467
Geologic consideration of the abnormal temperature distribution in the hot springs at Atami, Shizuoka Prefecture, Japan, 1025
Geological study on hot springs in Noboribetsu, 1296
Geological study of hot springs in Kyushu, Japan, V. Some hot springs in the cinder cone, with special reference to thermal water reservoir, 2512
Geological and radiometric survey at Tanagawa hot spring, 1117
Geological study on mineral springs in Hokkaido, 1190
Geological study on mineral springs (230 hot springs in Hokkaido), 1223
Geology and thermal waters of Gojoji hot spring area, Fukushima prefecture, 1179
Geology and hot springs of Adatara geothermal area, Iwate prefecture, 1150
Geology and thermal waters of Gojoji hot spring area, Fukushima prefecture, 1186
Geology and geothermal temperature appeared at the test boring of Matsusaka hot-spring health center, 1121
Geology and hot springs of Kuroyua geothermal area, Akita Prefecture, 2423
Hot springs in the southern and central parts of the Kii Peninsula, 2344
Hot springs in Hokkaido, 1318
Hot springs in the southern and central parts of the Kii Peninsula, 2348
Hot springs of the Shimawa-Mura area, Shiribeshi Province, 2445
Hot springs in Akita Prefecture, 2, 2531
Hot spring water of Shinozaki Takaya Spa, Fukushima Prefecture, Japan, 2567
Hydrogeological study of the Sona Hot Springs at Yunosawa, Akita Prefecture, Japan, 1471
Investigation of the movement of infiltrating acidic hot-spring water in the ground by means of radio-isotopes, 1201
Investigation by drilling on the geothermal area of Lake Hot Springs, Fukushima Prefecture, 2371
Isotopic composition of hydrogen and variation of 107 volatilized hydrothermal activity, 2364
Manza thermal springs, Gunma, 1104
Mercury content of several acid hot springs in Japan, 1258
Minor elements of Shinmoe-Takayu Hot Spring, Fukushima Prefecture. Arsenic, manganese, and zinc, 2578
Naruo, Kawatsuki and Nakayamadake thermal springs, Miyazaki Prefecture, 1128
Nitrogen gas in hot-spring waters, 2302
Occurrence of hot springs and the pyrophyllite deposits at Shimo, Gunma prefecture, 1056
Oxygen and hydrogen isotope ratios of monthly collected waters from Nasudake volcanic area, Japan, 2553
Probable thermal source of the hot springs in Imari District, Saga Prefecture, Japan, 2354
Radon-222 distribution in hot springs and the origin of highly radioactive springs, 5, 1470
Radon content of hot springs in Tottori Prefecture, Japan, 2331
Rainfall and juvenile water as the feeding origins of the hot springs in Beppu, 1236
Rates of discharge of heat energy from the principal hot spring localities in Nakano, Japan, 1168
Recent state of the Tottori hot springs, 1261
Regional peculiarity in Beppu thermal springs, 2350
Regional properties of hot springs in Japan, hot springs other than those of quaternary volcanic areas, 2358
Relation of occurrence of hot springs to geological structure and geothermal structure in Kona-Nagake hot springs, Shizuoka Prefecture, 1119
LARDERELLO GEOTHERMAL FIELD/GEO-ThER

Index 120

Contribution to the knowledge of the geothermal field of Larderello (Tuscany-Italy). Remarks on the Carbo area, 2972

Development and utilization of geothermal steam in Italy and possibilities of development in Mexico, 2972

Economic appraisal of geothermal power, 2846

Geothermal energy exploration, 2843

Geothermal central power plant, 3006

Geothemic power, 3073

Improvements in recent Italian geothermal power plants and the importance of auxiliary units, 3032

Larderello steam vents of Tuscany, 3216

Larderello and Monte Amiata-electric power from geothermal steam, 2955

Latest trends in the design of geothermal plants, 3018

Natural steam at Larderello, Italy, 2954

Natural steam plant — Italy, 3003

Natural steam power plants of Larderello, 3210

Natural steam at Larderello, Italy, 2955

Progress realized in instillations of endogenous steam condensing turbine-generator units, 3018

Remarks on the operation of the geothermal power stations at Larderello and on the transportation of geothermal fluid, 3021

Steam power generation, 3896

Steam vents of Tuscany and the Larderello plant, Volume 1, 1040

Tuscan boracic "Soffioni" and their development at Larderello, 2957

LARDERELLO GEOTHERMAL FIELD/GEO-ThER WELLS

Larderello steam vents of Tuscany, 3216

Larderello steam vents of Tuscany, 3218

Larderello geothermal well to be used for wellbore measurements in the Larderello geothermal zone when a new well comes in, 3027

Methods of exploitation of geothermal energy and the equipment required, 3131

Power from steam wells, 3059

Sicilite Larderello in Italy brines in world's largest steam well, 3212

Some considerations on the flow-rate/pressure curve of the steam wells of Larderello, 3256

Some observations on the geothermal behavior of the steam in the wells of Larderello and about the best exploitation conditions, 3243

LARDERELLO GEOTHERMAL FIELD/GRAVITY SURVEYS

Gravimetric exploration for natural steam in Tuscany, 1776

LARDERELLO GEOTHERMAL FIELD/HEAT FLOW

Terrestrial heat flow in the natural steam field at Larderello, 1807

LARDERELLO GEOTHERMAL FIELD/HOT SPRINGS

Isotopic geochemistry of hot springs, 2326

LARDERELLO GEOTHERMAL FIELD/HYDROTHERMAL SYSTEMS

Contribution of the geothermal field of Larderello, 1406

LARDERELLO GEOTHERMAL FIELD/INDUSTRIAL PLANTS

Natural steam at Larderello, Italy, 2950

LARDERELLO GEOTHERMAL FIELD/NATURAL STEAM

Aqua de Noy, a spring of unique chemical character, 1169

Data on natural geothermal steam of Larderello region, 1160

Isotopic composition of argon from steam jets of Tuscany, 2472

Natural steam at Larderello, Italy, 2954

LARDERELLO GEOTHERMAL FIELD/RESERVES

Life expectancy of geothermal fields, 660

LARDERELLO GEOTHERMAL FIELD/TECTONICS

Application of electrical prospecting methods to tectonics in the search for natural steam at Larderello, Italy, 1097

Some geological data on the geothermal areas of Tuscany, 1410

LARDERELLO GEOTHERMAL FIELD/THERMAL MEASUREMENT

Carbon isotopic composition of carbon dioxide and methane from steam jets of Tuscany, 2473

LARDERELLO GEOTHERMAL FIELD/TERMAL WATERS

Contribution to the knowledge of the geothermal field of Larderello (Tuscany-Italy). Remarks on the Cerbol area, 2972

Geothermal field of Larderello (Tuscany, Italy). Geothermal field of Larderello (Tuscany, Italy), 2972

Geothermal field of Larderello (Tuscany, Italy), 2975

LARDERELLO GEOTHERMAL FIELD/WELL DRILLING

Natural steam water plants of Larderello, 3210

LASL

(Los Alamos Scientific Laboratory.)

LASL/RESEARCH PROGRAMS

Seismic program of the Los Alamos Scientific Laboratory, 1807

LARDERELLO GEOTHERMAL FIELD/WELL DRILLING

Lava/Waters UNDERGROUND DISPOSAL

Denver area earthquakes and the Rocky Mountain Arsenal disposal well, 2899

Lava/Waters UNDERGROUND DISPOSAL

Hydrologic analysis of the groundwater-heat interference force heat pump systems, 2917

Man-initiated earthquakes (Effects of deep-underground liquid waste disposal on earthquakes near Denver, Colorado), 2954

Some statistical features of the relationship between Rocky Mountain Arsenal waste disposal and frequency of earthquakes, 2897

Lava/Waters UNDERGROUND DISPOSAL

...
Relationship of effect of waterflooding of the Rangely oil field on seismicity, 2598

LITHIUM/ABUNDANCE
Cesium and other alkali elements in thermal springs of Gornja Trepca and Miakavac thermal springs, 2529
Geochemical and geological features of the thermal springs of Gornja Trepca, 1479

LITHIUM/QUANTITY RATIO
Genetic nature of the values of rubidium cesium and lithium cesium ratios in natural waters, 2568

LITHIUM/RECOVERY
Lithium and other minerals in geothermal waters, 2532

LITHIUM/ThERMODYNAMIC PROPERTIES
Thermodynamic properties of electrolyte solutions. V. Differential cryoscopy in ternary systems (MgO-FeO-CaO-Cl), 3775

LITHIUM FLUIDERES/Thermal Conduction
Method for measuring the thermal conductivity of melts of poor conducting materials such as optical crystals, 3418

LITHIUM HALIDES/PHASE STUDIES
Phase behavior of aqueous lithium-zinc-calcium halide solutions, 2611

LOUISIANA/GEOTHERMAL RESOURCES
Proposed geopressured energy investigation, 396

MAGNESIUM/ABUNDANCE

MAGNESIUM COMPOUNDS/ABUNDANCE

MAGNESIUM OXIDES/ABUNDANCE

MANGANESE OXIDES/ABUNDANCE

MATSUKAWA GEOTHERMAL FIELD
Geoelectrical prospecting at Matsukawa geothermal area, 1479

MATSUKAWA GEOTHERMAL FIELD/ELECTRICAL SURVEYS
Electrical prospecting at Takinoue and Matsukawa geothermal wells, 1915

MATSUKAWA GEOTHERMAL FIELD/ECONOMICS
Economics of geothermal electric power generation at Matsukawa, 2659

MATSUKAWA GEOTHERMAL FIELD/ELECTRICAL SURVEYS
Electrical prospecting at Takinoue and Matsukawa geothermal areas, 1898

MATSUKAWA GEOTHERMAL FIELD/GEOCHEMISTRY
Isotopic and chemical equilibrium of the Matsukawa and Otake geothermal areas using a vector method, 886

MATSUKAWA GEOTHERMAL FIELD/GEOLOGIC STRATA

MATSUKAWA GEOTHERMAL FIELD/GEOLOGICAL SURVEYS
Geological survey of Matsukawa geothermal area, Iwata Prefecture, Japan, 2359

MATSUKAWA GEOTHERMAL FIELD/GEODEMY STRATA
Geological survey of Matsukawa geothermal area, Iwata Prefecture, Japan, 2359

MATSUKAWA GEOTHERMAL FIELD/GEOCHEMISTRY
Isotopic and chemical equilibrium of CH4-CO2 and pyrite-anhydrite in geothermal area in Japan, 2359

MATSUKAWA GEOTHERMAL FIELD/GEODEMY STRATA
Geological study of Matsukawa geothermal area, Iwata Prefecture, Japan, 683

MATSUKAWA GEOTHERMAL FIELD/GEODEMY STRATA
Geological study of Matsukawa geothermal area, Iwata Prefecture, Japan, 683
METAMORPHIC WATER/ISOTOPE RATIO

Discussion - source fluids for Salton Sea
Geothermal system, 2507
Geochemistry of the isotopes in meteoric water and
of terrestrial origin, 2335
Oxygen and hydrogen isotope ratios of monthly
collected waters from Maspalomas volcanic area,
Japan, 2553

METHANE/AURORA

Hydlogic features of geothermal waters used as
municipal water supply in Makhechelska, 2514

METHANE/CHRONOMETRY

Carbon isotope composition of carbon dioxide and
methane from steam jets of Tuscany, 2398

METHANE/ISOTOPE RATIO

Gas geothermometry, 2275 (INS-764)
Isotopic and chemical equilibrium of CH₄--CO₂ and
pyrite-sulfate in geothermal area in Japan,
2599

METHANE/PRODUCTION

Geological study on mineral springs in Hokkaido,
1195

METHANE/SOLVENT PROPERTIES

Temperature dependence of the heats of
dissolution of inorganic metal salts in water
utilization, 236 (KCl, NaCl, K, CsI, RbI),
AgNO₃, NaNO₃, 3723

MEXICO/GEODEMY

Geologic survey of the Mexican geothermal
zone, Baja California, 2105

MEXICO/GEOTHERMAL ENERGY

Development of geothermal energy in Mexico,
3049
Geothermal energy in Mexico: exploration and
utilization, 294
Geothermal potential of Republic of Mexico, 635
Mexico turns to steam energy: Cerro Prieto, 620
Progress report on recent developments of
geothermal energy and volcanology in Mexico,
489

MEXICO/GEOTHERMAL EXPLORATION

Application of geophysics to geothermal areas in
Mexico, 2132
Application of geophysics to geothermal areas in
Mexico, 2136

MEXICO/GEOTHERMAL FIELDS

Chemical studies in Mexican geothermal fields,
2548
Geothermal energy in Mexico, 482
Geothermal provinces of Mexico, 568
Progress of geothermal fields and investigations
necessary to evaluate their
capacity, 45

MEXICO/GEOTHERMAL POWER PLANTS

Clean power from inside the Earth, 565
Development and utilization of geothermal steam
in Italy and possibilities of development in
Mexico, 2962
Development of geothermal energy in Mexico,
3049
Mexico turns to steam energy: Cerro Prieto, 620

MEXICO/GEOTHERMAL RESOURCES

Geothermal exploration in Mexico 1968-1969
(Cerro Prieto area), 545
Geothermal energy in Mexico: exploration and
utilization, 294
Geothermal energy in Mexico (in geology and
utilization of geothermic energy at Flethe
state of Hidalgo), 514
Geothermal energy in Mexico. Exploration and
utilization, 296

MEXICO/HEAT FLOW

Heat flow, radioactive heat generation, and
technological tectonics for northwestern Mexico,
2679

MEXICO/HOT SPRINGS

Date for the study of mineral waters of Mexico,
597
Geysers, solfataras and springs of the range of
San Andres, Michoacan, 1172

MEXICO/ISOTOPE RATIO

Oxygen and hydrogen isotope ratios of monthly
collected waters from Maspalomas volcanic area,
Japan, 2553

MEXICO/ISOPODARAS

Solfataras and springs of the range of
San Andres, Michoacan, 1172

MEXICO/ISOPODARAS

Solfataras and springs of the range of
San Andres, Michoacan, 1172

MEXICO/JOLUCA

Active volcanoes of Mexico, 1124

MEXICO/JOLUCA

Active volcanoes of Mexico, 1124

MEXICO/JOLUCA

Aqueous exsolution from paricutin volcano, 1033

MEXICO/JOLUCA

Steam well drilling pace is picking up along
California's Salton Sea, 2700

MHD GENERATORS

Assessing advanced methods of generation, 2987
Summary of an assessment of new options in energy
research and development, 10

MICA

See also Biotite

Muscovite

MICA/CHRONOMETRY

Experimental study of alkali metal distributions
in feldspars and micas, 3832

MICA/CHRONOMETRY

Stability of perargonite at P/sub sU 2/ = P/sub sU 2/ =
2000 kg/m², 3753

MICA/DEPOSITION

Present-day deposition of lepidolite from thermal
waters in Yellowstone National Park, 759

MICA/OXYGEN

Composition and structure of recent hydrothermal
green micas in the Goryachyi Piyaz deposit,
Kuzakhsk Island, 1513

MICA/SULFUR COMPOUNDS

Hydrothermal ore deposits. Typomorphic minerals
of recent hydrothermal systems, 2606

MICA/SULFUR COMPOUNDS

Low-temperature hydrothermal synthesis of
montmorillonite, ammonium mica- and ammonium
zeolites, 3640

MICA/SULFUR COMPOUNDS

Geothermal exploration in Mexico 1968-1969
(Cerro Prieto area), 545

MICA/SULFUR COMPOUNDS

Photogeologic and thermal infrared reconnaissance
survey of the Los Negritos-Ixtlan de los
Hervores geothermal area, Michoacan, Mexico,
2358

MICA/SULFUR COMPOUNDS

Geothermal fields in Mexico, 482

MICA/SULFUR COMPOUNDS

Geochemical research on the mineral springs of
Hakone District, 765

MICA/SULFUR COMPOUNDS

Geochemical studies of the mineral springs of
Hakone District, 765

MICA/SULFUR COMPOUNDS

Geochemical investigation of mineral springs in
the Salton-Mexicali geothermal province, 316

MICA/SULFUR COMPOUNDS

Gases and vapors of volcanoes in Baja California,
1621

MICA/SULFUR COMPOUNDS

Geothermal exploration in Mexico 1966-1969
(Cerro Prieto area), 545

MICA/SULFUR COMPOUNDS

Geothermal energy in Mexico: exploration and
utilization, 294

MICA/SULFUR COMPOUNDS

Geothermal energy in Mexico (in geology and
utilization of geothermic energy at Flethe,
state of Hidalgo), 514

MICA/SULFUR COMPOUNDS

Geothermal energy in Mexico. Exploration and
utilization, 296

MICA/SULFUR COMPOUNDS

Gravimetric survey of the Mexican geothermal
province, Baja California, 2105

MINERAL RESOURCES

Mineral resources of the Bighorn Basin (Wyoming)
(Information on Cody and Thermopolis hot
springs), 765

MINERAL RESOURCES

Trans-Pacific consultation crisis, 3896

MINERAL RESOURCES

Geology of the mineral springs in Hakohe District,
Kanagawa Prefecture, Japan, 1116

MINERAL RESOURCES

Mineral waters of eastern Siberia, 2404

MINERAL RESOURCES

Possible evolution direction of carbonic acid and
sulfur springs in metalliferous regions, 2774

MINERAL RESOURCES

Geologically study on mineral springs in Hokkaido,
1195

MINERAL RESOURCES

Possible evolution direction of carbonic acid and
sulfur springs in metalliferous regions, 2774

MINERAL RESOURCES

Turkish mineral and thermal waters, 2360

MINERAL RESOURCES

Geothermal springs/GEOCHEMISTRY

Chemical studies of the mineral springs in the
Dew Hill District, 422

MINERAL RESOURCES

Geothermal study on the mineral waters of
Montecatini springs (Pistoia), 2352

MINERAL RESOURCES

Geothermal investigation of mineral springs in
the Shirakata volcanic field, 2352

MINERAL RESOURCES

Genochemical studies of the mineral springs of
Montecatini-Terme (Pistoia, Italy), 2875

MINERAL RESOURCES

Geological study on mineral springs in Hokkaido,
1195

MINERAL RESOURCES

Geological study on mineral springs (230 hot
springs in Hokkaido), 1263

MINERAL RESOURCES

Hydrogeologic conditions of formation and
regularities of distribution of the thermal
waters of the Azerbaijan SSR, 1268

MINERAL RESOURCES

Hydrogeologic conditions of formation and
regularities of distribution of the thermal
waters of the Azerbaijan SSR, 1268

MINERAL RESOURCES

Geology of the mineral springs in Hakohe District,
Kanagawa Prefecture, Japan, 1116

MINERAL RESOURCES

Hydrogeologic conditions of formation and
regularities of distribution of the thermal
waters of the Azerbaijan SSR, 1268

MINERAL RESOURCES

Tectonic and hydrologic relations of the
Balatonti-Aszofo region with special
consideration of the release of carbon dioxide
and acid water, 1005

MINERAL RESOURCES

Tectonic and hydrologic relations of the
Balatonti-Aszofo region with special
consideration of the release of carbon dioxide
gas and acid water, 1005

CH2 INDEX

MINERAL SPINGS/HYDROLOGY

Geysers, solfataras and springs of the range of
San Andres, Michoacan, 1172

MEXICO/GEOTHERMAL ENERGY

Geothermal provinces of Mexico, 568

MEXICO/GEOTHERMAL ENERGY

Progress of geothermal fields and investigations
necessary to evaluate their
capacity, 45

MEXICO/GEOTHERMAL RESOURCES

Geothermal exploration in Mexico 1968-1969
(Cerro Prieto area), 545

MEXICO/GEOTHERMAL RESOURCES

Geothermal energy in Mexico: exploration and
utilization of geothermic energy at Flethe,
state of Hidalgo), 514

MEXICO/GEOTHERMAL RESOURCES

Geothermal exploration, 622

MEXICO/GEOTHERMAL RESOURCES

Geothermic potential of Republic of Mexico, 635

MEXICO/GEOTHERMAL RESOURCES

Geothermal development (Power potential), 53

MEXICO/HEAT FLOW

Notes on the energy situation in Mexico, 292

MEXICO/HEAT FLOW

Possible sources of geothermal energy in the
Republic of Mexico, 1170

MEXICO/HEAT FLOW

Proceedings of United Nations Conference on New
Energy Sources, Volume 2, 51

MEXICO/HEAT FLOW

Proceedings of the NATO-CCMs information meeting
on dry hot rock geothermal energy, September 7-10,
1979, Los Alamos, New Mexico, 1504 (LA-5818-C)

MEXICO/HEAT FLOW

Notes on an emerging resource (in Iceland, New
Zealand, Italy, Japan, USSR, Mexico), 92

MEXICO/HEAT FLOW

Salton-Mexicali geothermal province, 316

MEXICO/HEAT FLOW

Salton-Mexicali geothermal area, 651

MEXICO/GEOTHERMAL ENERGY

Geothermal provinces of Mexico, 568
Thermodynamic properties of minerals and related substances at 298,15K (25.0°C) and one atmosphere (1.013 bars) pressure and at higher temperatures, 3634

MUSCOVITE
Muscovite synthesis in a natural hydrothermal solution, 3746
Muscovite synthesis: a natural hydrothermal solution, 3746

MOLYBDENUM
Geochemistry of molybdenum in natural waters (2), 2579

MONTANA
Molybdenum sulfides/Geothermometry
Fluid inclusion studies on the porphyry-type ore deposits at Bingham, Utah, Butte, Montana, and Climax, Colorado, 732

MONGOLIA
Geochemistry of molybdenum in natural waters (2), 2579

MOLYBDENUM/SULFIDES/GEOTHERMOMETRY

MONTANA/GEOTHERMAL PROJECT
First of muscovite under hydrothermal hydrogen gases, 2550

SUPT.
Sulfide content of exploration at (typically 300 and 400°C, 3410

MONTANA/GEOTHERMAL PROJECT
Hydrothermal alteration of feldspars in acid solutions between 300°C and 400°C, 3410

MONTANA/EARTHQUAKES
1959 Hebgen Lake earthquake alters Yellowstone's hot springs, 82

Yellowstone quake, 2879

MONTANA/GEOTHERMAL PROJECT
Survey of geothermal surveys

MONTANA/GEOTHERMAL ENERGY
The geothermal energy, Montana. Geothermal Project, first annual report, part 1, 166 (NSF/RRA/N-74-027-A)

MONTANA/GEOTHERMAL EXPLORATION
Geochemical resources at Marysville, Montana, 378

MONTANA/GEOTHERMAL FIELDS
Heat flow in a 'blind' geothermal area near Marysville, Montana (Maga chamber), 2223

MONTANA/GEOTHERMAL RESOURCES
Geochemical resources at Marysville, Montana, 378

Potential geothermal resources in Montana, 269

The Marysville, Montana Geothermal Project, first annual report, part 1, 166 (NSF/RRA/N-74-027-A)

MONTANA/HEAT FLOW
Heat flow in a 'blind' geothermal area near Marysville, Montana (Maga chamber), 2223

MONTANA/HOT SPRINGS
Large springs in the United States, 774

MONTA AMIATA GEOTHERMAL FIELD
Recent developments in geothermal research in the Monte Amiata region—the new Poggio Hibbio "field", 529

MONTA AMIATA GEOTHERMAL FIELD/ELECTRICAL SURVEYS
Geophysical explorations for natural steam near 'Monte Amiata', 1764

Geoelectrical explorations for natural steam near 'Monte Amiata', 1764

MONTA AMIATA GEOTHERMAL FIELD/GEOLoGIC DEPOSITS
Formation of mercury deposits from magmatic gases, 1445

MONTA AMIATA GEOTHERMAL FIELD/GEOLoGICAL SURVEYS
Preparation of geothermal exploration necessary for their adequate exploitation, 1816

MONTA AMIATA GEOTHERMAL FIELD/GEOLoGISTRY
Remarks on the geothermal research in the region of Monte Amiata (Tuscany-Italy), 1336

MONTA AMIATA GEOTHERMAL FIELD/GEOTHERMAL POWER PLANTS
Improvements in recent Italian geothermal power plants and importance of auxiliary units, 3632

Larderello and Monte Amiata—electric power from endogenous steam, 3653

MONTA AMIATA GEOTHERMAL FIELD/GEO热ernal WELLS
Results of drilling at Bagno (Monte Amiata, Italy), 2067

PUNTO/MORILLO/ABUNDANCE
Clay minerals of hydrothermally altered sediments, 3625

PUNTO/MORILLO/Chemical ANALYSIS
Ferromontomite from the Red Sea geothermal system, 2069

PUNTO/MORILLO/Hydrothermal ALTERATION
Hydrothermal products formed from montomorillonite clay systems, 3124

MONTAGU/MORIlLO/MinERALIZATION
Clay mineral formation in mud pots, Yellowstone Park, Wyoming, 855

MONTAGU/MORILLO/PHYSICAL PROPERTIES
Dependence of properties of clay suspensions on the mineralogical type of clay soil, 3069

MONTAGU/MORILLO/SYNTHESIS
Composition and structure of recent hydrothermal green minerals in the Goryachii Pluzh deposit, Kunashir Island, 1014

Hydrothermal minerals in Goryachii Pluzh, Kunashir Island, 1014

Hydrothermal synthesis of montomorillonite group
Isotope geochemistry of carbon and rare gases in the hydrothermal areas of New Zealand, 2429
Mass spectrometer measurements in the thermal areas of New Zealand, carbon dioxide and residual gas analyses, 2369
Natural heat flow from thermal areas of Taupo Sheet District (N94), 1730
Natural hydrothermal systems and experimental hot-water/rock interactions, Pt. 1, 1442
Preliminary survey of the hydrothermal field at Rabai, New Britain, 1163
Prospection of geothermal fields and investigations necessary to evaluate their capacity, 45
Recon in the New Zealand geothermal regions, 2360
Rock alteration in some geothermal areas of Japan, 3319
Sulphur isotope variations in nature, sulphur isotopic measurements on sulphur and sulphates in New Zealand, 2363
New Zealand Geothermal Well Survey
Geothermal energy, 2961
Power probabilities, 441
New Zealand Geothermal Resources
Drilling for steam, 423
Foreign and domestic discussions on natural geothermal power and public awareness to stimulate these natural systems, 3272
(RNW-E-119)
Geography of power resources in the Waikato region, 443
Geology, volcanology, and geophysics, utilization of geothermal resources, 424
Geothermal development in New Zealand, 2447
Geothermal energy resources for heating and associated applications in Rotorua and surrounding areas, 3344
Geothermal energy and resources, 521
Natural steam in New Zealand, 438
Nature's heat resources - their post-war utilization in thermal regions, 416
Near-surface resistivity surveys of geothermal areas using the electromagnetic method (Horizontal coplanar loop technique), 2059
New Zealand's challenge to U.S.: Wairakei, 536
Nez-Wa-red volcanology: central volcanic region, 1292
Present-day hydrothermal systems and mineral deposits, 78
Proceedings of the NATO-CCS information meeting on dry hot rock geothermal energy, September 17-19, 1974, Los Alamos, New Mexico, 154 (LA-5818-C)
Review of geothermal resources, 213
Roar from an emerging resource (in Iceland, New Zealand, Italy, Japan, USSR, Mexico), 92
Some considerations on the utilization of geothermal energy, a proposal of New Zealand, 1152
Through the looming glass - comparative study of New Zealand and California: Utilization of geothermal heat in New Zealand, 442
NORTH AMERICA/GEOTHERMAL RESOURCES
INDEX 139

NICARAGUA/GEOTHERMAL RESOURCES
Geothermal exploration in Nicaragua, 544
Geothermal cooling urged for Managua, 3562
Information on studies on "endogenous forces" in Nicaragua, 1134
Proceedings of the NATO-CCEM information meeting on the hot rock energy system, September 17-19, 1974, Los Alamos, New Mexico, 154 (LA-5818-C).
NICARAGUA/HOT SPRINGS
Central American volcanoes, 1996
Information on studies on "endogenous forces" in Nicaragua, 1134
NICKEL/ABUNDANCE
Determination of some base metals in brooklands geothermal waters, 2610
Fractionation of nickel between olivine and augite as a geothermometer, 3606
NICKEL/ANALYSIS
Determination of some base metals in brooklands geothermal waters, 2610
NICKEL/CORROSION
Laboratory program of study flashing and scaling characteristics of geothermal brines. Research and development progress report, 3176 (PB-230561)
NICKEL/GEOTHERMOMETRY
Nickel partition geothermometer applied to the prehistoric Makauwi lava lake, Hawi, 3667
NICKEL SULFIDES/GEOTHERMOMETRY
Sulfur-rich portion of the Fe-Ni-S system, 3523
NICKEL SULFIDES/PHASE STUDIES
Sulfur-rich portion of the Fe-Ni-S system, 3523
NIGERIA/GROUND WATER
Availability of ground water in the Chad Basin of Bornu and Dikwa Emirates, northern Nigeria. A report for the general reader, 3166
NIGERIA/THERMAL WATERS
Availability of ground water in the Chad Basin of Bornu and Dikwa Emirates, northern Nigeria. Description for the general reader, 1282
NITRATES/COMPOSITION
General dependences between the composition of solutions and their density. I. Aqueous electrolyte solutions, 3718
NITRATES/DENSITY
General dependences between the composition of solutions and their density. I. Aqueous electrolyte solutions, 3718
NITRATES/SPECIFIC HEAT
Rapid method for determining the average specific heat of aqueous solutions of inorganic compounds, 3777
NITROGEN/ABUNDANCE
Hygienic features of geothermal waters used as municipal water supply in Makuchka, 2014
Kul'dar thermal springs, 1187
Niskamun geothermal measurements in the thermal areas of New Zealand, carbon dioxide and residual gas analyses, 2389
Nitrogen gas in hot-spring waters, 2382
Thermal activity in Reykjanes, Iceland, 992
Okinamori hot springs in Aso Caldeiras, 1159
NITROGEN/THERMAL CONDUCTIVITY
New measurements of the heat conductivity of steam and nitrogen, 3417
NORTH AMERICA
See also CANADA, MEXICO, USA
NORTH AMERICA/GEOTHERMAL EXPLORATION
AAPG geothermal survey of North America, 76
Geothermics in North America, present and future, 590
NORTH AMERICA/GEOTHERMAL RESOURCES
Geothermics in North America, present and future, 590
Nature's pressure cooker, 748
NORTH AMERICA/HEAT FLOW
Heat flow in North America, 1415
NORTH AMERICA/HOT SPRINGS
Underground waters at the present time. Their regime, temperature, and residual gas analyses. The viewpoint of the role they play in the economy of the Earth's crust, 1592
NORTH DAKOTA/HEAT FLOW
Preliminary study of heat flow in western North Dakota, 2230
NORTH SEA/GEOTHERMAL GRADIENTS
Approximate geothermal gradients in the North Sea Basin (Bottom hole temperatures, 60 wells), 591
NOZZLES/CORROSION
Materials screening program for the LLL geothermal project, 3564
NUCLEAR ENERGY/RESEARCH PROGRAMS
Proceedings of the energy research priorities conference held at Battelle Information Center, 2248
NUCLEAR EXPLOSIONS
See also UNDERGROUND EXPLOSIONS
Recovery of high-viscosity petroleum by steam from geothermal heat, 3348
NUCLEAR EXPLOSIVES/USES
Construction of geothermal steam power plants utilizing nuclear explosives, 2960
NUCLEAR FUELS
United States mineral resources (Geology, economics, and uses), 340
NUCLEAR POWER/BIBLIOGRAPHIES
Energy—a continuing bibliography with indexes, 5 (NASA-SP-7043(1))
Energy—a special bibliography with indexes, 4 (NASA-SP-7042)
NUCLEAR POWER/ENVIRONMENTAL EFFECTS
Environmental impact of geothermal development, 2922
NUCLEAR POWER/USES
Nuclear information No. 1, 410 (N-20-38978)
NUCLEAR POWER PLANTS
Assessing advanced methods of generation, 2987
NUCLEAR PROPERTIES/RESEARCH PROGRAMS
Nuclear Technology Division annual progress report for period ending June 30, 1973, 1 (ANCR-1229)
OIL SANDS/PROCESSING
Recovery of high-viscosity petroleum by steam from geothermal heat, 3348
OIL SHALES
Summary of an assessment of new options in energy research and development, 18
United States mineral resources (Geology, economics, and uses), 341
OIL SHALES/IN-SITU PROCESSING
Instrumentation systems development for in situ processing, 3752 (SLA-73-919)
OKLAHOMA/GEOTHERMAL GRADIENTS
Use of well log temperatures to evaluate regional geothermal gradients, 1878
OLD FAITHFUL Geyser/EARTHAKE
Observations on pre- and post-earthquake performance of Old Faithful Geyser, 875
OLD FAITHFUL Geyser/FLOW RATE
Prediction of Old Faithful's next eruption, 915
OLD FAITHFUL Geyser/FLUID
Old Faithful—physical models, 872
OLD FAITHFUL Geyser/GEOPHYSICAL SURVEYS
Geophysical study of geyser action in Yellowstone National Park, 879
OLD FAITHFUL Geyser/MATHEMATICAL MODELS
Prediction of Old Faithful's next eruption, 915
OLD FAITHFUL Geyser/DRILLING
1959 Heben Lake earthquake alters Yellowstone's hot springs, 821
OLD FAITHFUL Geyser/PERFORMANCE
Observations on pre- and post-earthquake performance of Old Faithful geyser, 875
Old Faithful geyser performance 1870 through 1966, 869
Old Faithful geyser performance 1870 through 1966, 879
OLD FAITHFUL Geyser/SEISMIC EFFECTS
Earth tremors generated by Old faithful geyser, 1861
Observations on pre- and post-earthquake performance of Old faithful geyser, 875
Observations on pre- and post-earthquake performance of Old Faithful geyser, 881
OLD FAITHFUL Geyser/SEISMIC NOISE
Seismic noise measurements in Yellowstone National Park, 2271
OLD FAITHFUL Geyser/SEISMIC SURVEYS
Thermal and seismic indications of Old Faithful Geyser's inner workings, 2046
OLD FAITHFUL Geyser/TEMPERATURE DISTRIBUTION
Thermal and seismic indications of Old Faithful Geyser's inner workings, 2964
OLD FAITHFUL Geyser/THERMAL RADIATION
Winter thermal radiation studies in Yellowstone Park, 824
OLIVINE/COMPOSITION
Fractionation of nickel between olivine and augite as a geothermometer, 3605
OLIVINE/GEOTHERMOMETRY
Fractionation of nickel between olivine and augite as a geothermometer, 3605
OLIVINE/THERMAL CONDUCTIVITY
Thermal conductivity of rock-forming minerals, 3752
OLIVINE/HYDROTHERMAL ALTERATION
Hygroscopic chlorite, an alteration product of olivines problem of iddingsitization, 3613
OREGON/ARTESIAN BASINS
Preliminary report on artesian basins in southwestern Idaho and southeastern Oregon, 761
OREGON/ELECTRICAL SURVEYS
Telluric current exploration for geothermal anomalies in Oregon (Klamath Falls), 2248
OREGON/GEOLGY
Implications of late cenozoic volcanism to geothermal potential in the high lava plains of...
 Hydrothermal deposits, 2596
Isotopic geochemistry of thermal waters, 2337
Oxygen isotope geochemistry, 2330
Oxygen isotope geochemistry of thermal waters, 2330
Oxygen isotope geochemistry of calcium carbonate-water, 2357
Isotope analysis of waters from the Nasudake volcanic area, Tochigi Prefecture, Japan, 2575
Isotope composition of waters from the Nasudake volcanic area, 2575
Isotope composition of waters from the Nasudake volcanic area, 2575
Isotope geochronology of sulfur, 2605
Isotope geochronology of calcite and silicates of the Beppu hot spring, 2276

OXYGEN ISOTOPES/GEOTHERMOMETRY
Isotopic geochronology of thermal waters, 2330
Oxygen isotope geochronology of thermal waters, 2330
Oxygen isotope geochronology of thermal waters, 2330
Oxygen and carbon isotopic ratios of monthly collected waters from Nasudake volcanic area, Japan, 2553
Oxygen and hydrogen isotopes in New Zealand, 2645
Oxygen and hydrogen ratios of monthly collected waters from Nasudake volcanic area, Japan, 2553

OXYGEN ISOTOPES/GEOTHERMAL SYSTEMS
Isotope geochronology of thermal waters, 2330
Oxygen isotope geochronology of thermal waters, 2330
Oxygen isotope geochronology of thermal waters, 2330
Oxygen and carbon isotopic ratios of calcite and silicates of the Beppu hot spring, 2276

OXYGEN ISOTOPES/GEOTHERMOMETRY
Isotopic geochronology of thermal waters, 2330
Oxygen isotope geochronology of thermal waters, 2330
Oxygen isotope geochronology of thermal waters, 2330
Oxygen and carbon isotopic ratios of monthly collected waters from Nasudake volcanic area, Japan, 2553
Oxygen and hydrogen isotopes in New Zealand, 2645
Oxygen and hydrogen ratios of monthly collected waters from Nasudake volcanic area, Japan, 2553

OXYGEN ISOTOPES/GEOTHERMAL SYSTEMS
Isotope geochronology of thermal waters, 2330
Oxygen isotope geochronology of thermal waters, 2330
Oxygen isotope geochronology of thermal waters, 2330
Oxygen and carbon isotopic ratios of calcite and silicates of the Beppu hot spring, 2276

OXYGEN ISOTOPES/GEOTHERMAL SYSTEMS
Isotope geochronology of thermal waters, 2330
Oxygen isotope geochronology of thermal waters, 2330
Oxygen isotope geochronology of thermal waters, 2330
Oxygen and carbon isotopic ratios of calcite and silicates of the Beppu hot spring, 2276
Occurrence and utilization of thermal waters in Portugal, 281
POLYMERS/MATERIALS TESTING
Materials screening program for the LLL thermal project, 320
POLYMERIC ORES/THERMAL DISTRIBUTION
Geochemistry in lead zinc deposit of Sagon (Northern Caucasus), 1294
PORTUGAL/GEOTHERMAL EXPLORATION
Possibilities of developing geothermal energy in the Azores, 577
PORTUGAL/GEOTHERMAL RESOURCES
Possibilities of developing geothermal energy in the Azores, 577
PORTUGAL/HYDROGRAPHY
Report on the present state of our knowledge with respect to mineral and thermal waters, 1004
POTASSIUM/ABUNDANCE
Distribution of Na, K, Rb and Cs as trace elements in dolomites and feldspars and hydrothermal solutions at 65øC, 1 kbar; experimental data and thermodynamic properties, 3632
Experimental study of alkali metal distributions in feldspars and nicas, 3852
Geothermal waters of Arizona. Progress report, 364
High-activity hydrothermal zones detected by Na/K, Cs and Rb in Yucca Mountain, 2522
Hygienic features of geothermal waters used as enegy, 2631
Paleothermometry of metamorphic rocks containing muscovite according to data of X-ray and chemical study of the muscovites, 3620
POTASSIUM/GEOTHERMOMETRY
Attempt at potassium-argon geothermometry and estimation of thermodynamic parameters, 3609
Empirical Na-K-Ca geothermometer for natural waters, 364
Geothermal waters of Arizona. Progress report, 364
POTASSIUM/QUANTITY RATIO
Attempt at potassium-argon geothermometry and estimation of thermodynamic parameters, 3609
Geothermometry among the methods of prospecting for geothermal energy, 2596
Relationship of the sodium-potassium ratio in thermal waters to the equilibria of feldspars and analcine, 3829
POTASSIUM HYDROXIDES/THERMAL CONDUCTIVITY
Method for measuring the thermal conductivity of small samples of pure materials such as optical crystals, 3418
POTASSIUM CARBONATES/GEOTHERMAL REACTION KINETICS
Use of a method of comparative calculation of solubility at high parameters, 3744
POTASSIUM CHLORIDES/GEOTHERMAL REACTION KINETICS
Activity coefficients of potassium chlorides in several mixed electrolyte solutions at 25øC, 3771
Solution chemistry and metamorphism, 3612
Thermodynamic properties of electrolyte solutions, V. Differential cryostat method in ternary systems, 3789
Use of a method of comparative calculation of solubility at high parameters, 3744
POTASSIUM CHLORIDES/RSOLUTION
Natural-convective-controlled dissolution of potassium chloride in water: potassium chloride solutions saturated and undersaturated with sodium chloride, 3741
POTASSIUM CHLORIDES/ELECTRIC CONDUCTIVITY
Conductivity of mixtures of aqueous electrolytes (KCl-HNO₃-H₂O, NaCl-KNO₃-H₂O, BaCl₂-KCl-H₂O, KCl-NaCl-H₂O), 3778
Polarization: effect of current density on conductance, 3687
POTASSIUM CHLORIDES/PHASE STUDIES
Transitions in the liquid state preceding the melting of melting point of water and other solutions of NaCl and KCl, 3822
Properties of saturated aqueous solutions of potassium chloride at temperatures above 25øC, 3492
POTASSIUM CHLORIDES/RECOVERY
Geothermal brines draw Morton salts, 2537
Morton bids for power and potash from brines, 2968
Production of chemicals from brine and seawater, 2981
POTASSIUM CHLORIDES/SOLUBILITY
Solubility of KCI in the gaseous phase of supersaturated water, 3436
POTASSIUM CHLORIDES/SOLUTION HEAT
Calcimeter apparatus for measuring the heats of solution of salts at high and in heavy water, 3721
Heats of solution of sodium dodecyl sulfate and inorganic salts determined with a microcalorimeter, 3746
Temperature dependence of the heats of dissolution of noncovalent metal salts in water and in methanol (KCl, NaCl, KI, CsI, RbCl, AgNO₃, NaNO₃), 3723
POTASSIUM CHLORIDES/SOLVENT PROPERTIES
Reactions of quartz and corundum with aqueous chloride and hydroxide solutions at high temperatures and pressures, 3597
POTASSIUM CHLORIDES/THERMAL CONDUCTIVITY
Method for measuring the thermal conductivity of small samples of poorly conducting materials such as optical crystals, 3418
POTASSIUM CHLORIDES/THERMAL DIFFUSION
Thermal diffusion of 1/1 electrolytes in ordinary and in heavy water, 3721
POTASSIUM CHLORIDES/THERMODYNAMIC PROPERTIES
Relationship of pressure, temperature, and density in aqueous solutions of potassium chloride and potassium chlorate, 3648
Thermodynamic properties of electrolyte solutions, V. Differential cryostat method in ternary systems, 3775
POTASSIUM COMPOUNDS/RADIOGEOLOGY
Geothermal survey of Soumya district in Mt. Taisetsu area, Hokkaido, Japan. III. HGS-1 test well, 2518
POTASSIUM COMPOUNDS/GEOTHERMAL EXPLORATION
Use of a method of comparative calculation of solubility at high parameters, 3744
POTASSIUM COMPOUNDS/QUANTITY RATIO
Hot springs in Amagase Prefecture, 2, 2531
POTASSIUM HYDROXIDES/SOLVENT PROPERTIES
Reactions of quartz and corundum with aqueous chloride and hydroxide solutions at high temperatures and pressures, 3597
POTASSIUM IODIDES/SOLUTION HEAT
Calorimetric apparatus for measuring the heats of dissolution of salts in water at various temperatures, 3721
Temperature dependence of the heats of dissolution of noncovalent metal salts in water and in methanol (KCl, NaCl, Ki, CsI, RbCl, AgNO₃, NaNO₃), 3723
POTASSIUM NITRATES/GEOTHERMAL REACTION KINETICS
Use of a method of comparative calculation of solubility at high parameters, 3744
POTASSIUM NITRATES/ELECTRIC CONDUCTIVITY
Conductivity of mixed aqueous electrolytes (KCl-HNO₃-H₂O, Pb(NO₃)₂-KNO₃-H₂O, BaCl₂-KCl-H₂O, KCl-NaCl-H₂O), 3778
POTASSIUM NITRATES/SOLUTION HEAT
Heats of solution of sodium dodecyl sulfate and inorganic salts determined with a microcalorimeter, 3746
POTASSIUM OXIDES/GEOTHERMAL REACTION KINETICS
Hydrolysis reactions in the silicon dioxide excess portion of the system potassium oxide-aluminum oxide-silicon dioxide-water in chloride fluids at magnetic conditions, 3848
POTASSIUM OXIDES/PHASE STUDIES
Basic information on the subsolidus structure of the system 9Al₂O₃-SiO₂, 3621
Solution chemistry and metamorphism, 3612
POTASSIUM SULFATES/SOLVENT PROPERTIES
Activity coefficients of potassium chloride in several mixed electrolyte solutions at 25øC, 3771
POWER GENERATION/ECONOMICS
Comparative energy costs by alternative generating methods, 3378
SEARCH FOR TOMORROW'S POWER
Power Generation/energy conversion, 329
POWER TRANSMISSION
Summary of an assessment of new options in energy research and development, 16
POWER TRANSMISSION/BIBLIOGRAPHIES
Energy, a continuing bibliography with indexes, 5 (NASA-SP-7042X[11])
Energy-a special bibliography with indexes, 4 (NASA-SP-7042)
PRECIPITATION
(in chemical processes only; see also ATMOSPHERIC PRECIPITATION, ELECTRON PRECIPITATION, AND PROTON PRECIPITATION.)
PRECIPITATION/GEOTHERMAL REACTION KINETICS
Thermal precipitation in aqueous solutions, 3837
PROJECT INDEPENDENCE
Project Independence Blueprint: final task force report, Geothermal energy, 391
PROSPECTING
See also AIRAL PROSPECTING
PROSPECTING/GEOPHYSICAL METHODS
New geophysical prospecting method (based on electromagnetic radiation), 2140
PROSPECTING/GEOTHERMOMETRY
Application of geothermy in geological prospecting, 1942
PUBLIC LANDS/GEOTHERMAL RESOURCES
Administrative laws of California's State Land Commission; regulations pertaining to geothermal resources, 2819
PUBLIC LANDS/LEGISLATION
Administrative laws of California's State Land Commission; regulations pertaining to geothermal resources, 2818
PUBLIC LANDS/REGULATIONS
Administrative laws of California's State Land Commission; regulations pertaining to geothermal resources, 2818
PUBLIC LANDS/RESOURCES
Administrative laws of California's State Land Commission; regulations pertaining to geothermal resources, 2818
Quartz dissolution rate as influenced by pH and the presence of a disturbed surface layer, 3738

Quartz geothermometry, 3737

Comparison of past and present geothermal waters, from a survey of fluid inclusions, Broadlands Field, New Zealand, 2657

Determination of temperatures during the formation of hydrothermal quartz by means of oxygen isotope ratios, 3894

Direct determination of temperature and pressure based on inclusions in minerals of metamorphic rocks, 3894

Estimation of underground temperatures from silica content of water from hot springs and wet-steam wells, 2458

Fluid inclusion studies on the porphyry-type ore deposits at Bingham, Utah, Butte, Montana, and Climax, Colorado, 3732

Geothermometric investigations on the mafic-ultramafic rocks of the Nisqually River, Washington, 2373

Geothermometry of quartz in the crystalline rocks of the Ine-Bretil anticline zone, east Carpathians, 2266

Oxygen isotope geothermometry, 3539

Paleogeothermometric investigations on complex sulfide deposits localized in crystalline schists in the eastern Carpathians in the Rumanian people's Republic, mineralizations of the Ine-Muresul anticline, 3494

Quartz as a geothermometer, 3024

Some considerations regarding liquid inclusions as geologic thermometers, 3425

Quartz/hydrothermal alteration, 3802

Hydrous weakening of quartz and other silicates, 3600

Hydrothermal synthesis of montmorillonite group minerals from kaolinite, quartz, and various carbonates, 3574

Quartz/isootope ratio, 3596

Temperature of oxygen-18/oxygen-16 fractionation in metamorphosed Belwark iron formation, 3572

Quartz/thermal alteration, 3600

Hydrothermal synthesis of montmorillonite group minerals from kaolinite, quartz, and various carbonates, 3574

Quartz/thermal conductivity, 3596

Hydrothermal synthesis of montmorillonite group minerals from kaolinite, quartz, and various carbonates, 3574

Quartz/solubility, 3596

Reactions of quartz and cordierite with aqueous chloride and hydroxide solutions at high temperatures and pressures, 3597

Solubility of quartz and some other minerals in superheated water at high pressures, 3423

Solubility of quartz in H2O in the range 1000-4000 bars and 400-800°C, 3538

Solubility and solution reactions of quartz in dilute hydrothermal solutions, 3757

Quartz/Synthesis, 3572

Composition and structure of recent hydrothermal green minerals in the Goryachyi Pleyan deposit, Kamchatka Island, 1513

Hydrothermal ore deposits. Typomorphic minerals of recent hydrothermal systems, 3600

Mechanism of silica migration in hydrothermal solutions, 3650

Thermodynamic conditions of hydrothermal mineral formation in the central Donets Basin, 3838

Quartz/thermal conductivity, 3600

Stability field of hedenbergite on the log P/sub H2O/partial pressure of oxygen-T (temperature) diagram, 3796

Quartz/mineralogy, 3752

Deposition of silica in hot springs, 841

Deposition of hydrothermal quartz and calcite, 3542

Gangue minerals in hydrothermal deposits, 3582

Quartz/thermal alteration, 3600

Reactions of quartz and cordierite with aqueous chloride and hydroxide solutions at high temperatures and pressures, 3597

Solubility of quartz and some other minerals in superheated water at high pressures, 3423

Quartz/Synthetics, 3572

Composition and structure of recent hydrothermal green minerals in the Goryachyi Pleyan deposit, Kamchatka Island, 1513

Hydrothermal ore deposits. Typomorphic minerals of recent hydrothermal systems, 3600

Mechanism of silica migration in hydrothermal solutions, 3650

Thermodynamic conditions of hydrothermal mineral formation in the central Donets Basin, 3838

Quartz/thermal conductivity, 3600

Studies of thermal state of Earth - 17, 3581

Thermal conductivity of quartz at low temperatures, 3396

Thermal conductivity of vitreous silica, with a note on crystalline quartz, 3566

Quartz/hydrothermal alteration, 3802

Interrelation between secondary quartzites and hydrothermal formations of other types, 3808

Quartz/Synthesis, 3572

Composition and structure of recent hydrothermal green minerals in the Goryachyi Pleyan deposit, Kamchatka Island, 1513

Hydrothermal ore deposits. Typomorphic minerals of recent hydrothermal systems, 3600

Mechanism of silica migration in hydrothermal solutions, 3650

Thermodynamic conditions of hydrothermal mineral formation in the central Donets Basin, 3838

Quartz/thermal conductivity, 3600

Studies of thermal state of Earth - 17, 3581

Thermal conductivity of quartz at low temperatures, 3396

Thermal conductivity of vitreous silica, with a note on crystalline quartz, 3566

Quartz/hydrothermal alteration, 3802

Interrelation between secondary quartzites and hydrothermal formations of other types, 3808
<table>
<thead>
<tr>
<th>INDEX</th>
<th>ROCKS/THERMAL EXPANSION</th>
</tr>
</thead>
<tbody>
<tr>
<td>139</td>
<td></td>
</tr>
</tbody>
</table>

- **Rock's Mineralization**: Possible role of geothermal gradient and tectonic action in the formation of mineral concentrations, 3796

- **Rock's Origin**: Crystal cavities and their liquid inclusions, Significance in the genesis of mineral deposits and rocks, 3406

- **Rock's Orogenesis**: Metamorphite belts and orogenesis in southern New Zealand, 1346

- **Rock's Permeability**: Determination of the velocity of fluid movement at depth and rock permeability by geothermal data, 797

- **Rock's Petrology**: Petrography of some rock types of the Precambrian basement near the Los Alamos Scientific Laboratory, thermal conductivity and thermal properties of the Precambrian, Palaeozoic mesozoic and cenozoic rocks of the greater Caucasus and Ciscaucasia, 969

- **Rock's Physical Properties**: Experimental investigations of the physical properties of rocks at high pressures and temperature, 1889

- **Geophysical methods of engineering and raw material prospecting, 1739**

- **Rock's Porosity**: Properties of rocks under high pressure and temperature, 1615

- **Rock's Poroosity**: Effect of pore configuration, pressure and temperature on rock resistivity, 1879

- **Rock's Radiant Heat Transfer**: Theoretical investigations of the method of determining boron hole by electrical measurements, 1679

- **Rock's Radioactivity**: Radiogenic heat production in prebatholithic rocks of the central Idaho, 1865

- **Rock's Specific Heat**: Heat properties of rocks of Fergana, 3706

- **Thermophysical properties of rocks from certain regions in western and southern Tien-Shan and the geothermal conditions of the Fergana depression, 2148**

- **Rock's Stresses**: Analysis of accuracy in the determination of the ground-stress tensor by means of borehole devices, 3652

- **Rock's Temperature Distribution**: Geothermal conditions in Krivoi Rog basin, 1246

- **Relations of factors affecting ground and rock temperature at shallow depths, 3419**

- **Temperature field of rocks, taking into account the interaction of boreholes, 3108**

- **Rock's Temperature Gradients**: Depth and rock temperatures, 61

- **Rock's Temperature Measurement**: Determination of rock temperature when the well has not stood long enough, 3157

- **Electrical coring: method of determining borehole temperatures, 1678**

- **Measurements of steam and ground temperatures at some fumaroles and steaming grounds in lave vents, 1518**

- **Possibilities of measuring rock temperature in ultradeep boreholes, 2003**

- **Rock's Thermal Conductivity**: Study of heat-conduction models of geothermal energy reservoirs, 3575

<table>
<thead>
<tr>
<th>139</th>
<th>INDEX</th>
</tr>
</thead>
<tbody>
<tr>
<td>139</td>
<td>ROCKS/THERMAL CONDUCTIVITY</td>
</tr>
<tr>
<td>139</td>
<td>ROCKS/THERMAL EXPANSION</td>
</tr>
</tbody>
</table>

- **Rock's Thermal Conductivity**: Aneutrophy of thermal conductivity in rock, 3701

- **Applications of cylindrical thermal probe theory to the determination of thermal constants, 3499**

- **Computation of terrestrial heat flow in a well near Colorado Springs, 1748**

- **Computing thermal conductivities of rocks from chips and conventional specimens, 355**

- **Dependence of heat conductivity of the elastic rocks of the West Siberian Lowland on other physical parameters with particular regard to prospecting, 1888**

- **Determination of the heat conductivity of rocks in studying heat flows of the Earth, 1914**

- **Determination of the heat conductivity of rocks in studying heat flows of the Earth, 3646**

- **Effect of pressure and saturating fluid on thermal conductivity of compact rock, 3579**

- **Experimental determination of thermal conductivity in rock samples, 37**

- **Geophysical deductions from observations of heat flow, 3552**

- **Geothermal measurements in petroleum geology (Rock), 1733**

- **Geothermal field of intraformational Kama-Kinell region, 2795**

- **Geothermy in regional geology and for study of subsurface tectonics, 675**

- **Heat conductivity of water-saturated reservoir rocks as a function of pressure, temperature, and composition of the rock, 3654**

- **Heat conductivity of rocks, measuring apparatus and methods of determination, 3626**

- **Heat conductivity of rocks at high temperatures, 3630**

- **Heat flow at depth in the Kolhida Plain, 1287**

- **Heat properties of rocks of Fergana, 3706**

- **Investigation on the thermal conductivity of porous materials and its application to porous rock, 3499**

- **Investigations on the thermal and electrical behavior of rocks, 3726**

- **Measurement of the thermal conductivity of rocks by observations on divided bar apparatus, 3453**

- **Method for determination in the laboratory of the thermal conductivity of rocks, 3629**

- **Methods of geothermal measurement on continents with particular regard to prospecting, 1888**

- **New data on the geothermal response and thermal properties of Precambrian, Palaeozoic mesozoic and cenozoic rocks of the greater Caucasus and Ciscaucasia, 969**

- **Preparation of thermistor cables used in geothermal investigations, 1881**

- **Procedure for investigating the dependence of the thermal parameters of rocks on temperature, 3639**

- **Results of geothermal investigations in Siberia, 2714**

- **Ring heat source probe for rapid determination of thermal conductivity of rocks, 1869**

- **Rock thermal conductivity measured by a heat absorbing long cylindrical probe, 2077**

- **Steady-state method for the rapid measurement of the thermal conductivity of rocks, 3649**

- **Studies of thermal state of Earth - 15 (100 to 600°C), 3541**

- **Studies of thermal state of Earth - 17, 3561**

- **Study of heat conduction under extreme conditions (rocks), 3454**

- **Temperature in an insulated slab heated by a plane source: application to thermal conductivity measurements of rocks, 2068**

- **Temperature gradients and rock conductivity, 3405**

- **Terrestrial heat flow in the territory of Czechoslovakia and the measurement of thermal conductivity with fully-automatic apparatus, 2012**

- **Terrestrial heat flow in Khati copper belt, Rajasthan, India, 1910**

- **Theory of heat conduction applied to geologic problems, 3395**

- **Thermal conductivity of rocks and its measurement with the divided-bar apparatus, 1665**

- **Thermal conductivity of rocks in the temperature range 20-500°C, 3697**

- **Thermal conductivity determination of terrigenous rocks by other physical parameters with polycrystalline correlation analysis, 3698**

- **Thermal conductivity and long enough media, 3157**

- **Consolidated rocks, 3487**

- **Thermal conductivity and mineral composition of some Transvaal rocks, 3439**

- **Thermal conductivities of rocks, 3593**

- **Thermal conductivity of rocks from measurements on fragments and its application to heat-flow determinations, 3763**

- **Thermal conductivity probes for rapid measurements in rock, 3654**

- **Thermal fragmentation of rock, 3575**

- **Thermal state of the Earth, 3495**

- **Thermoelectric device for measuring thermal conductivity of rock, 1834**

- **Thermophysical properties of rocks from certain regions in western and southern Tien-Shan and the geothermal conditions of the Fergana depression, 2148**

- **Use of complete temperature-time curves for the determination of thermal conductivity with particular reference to rocks, 3463**

- **Variations of the heat conductivity coefficient in rock samples under pressure, 3503**

- **Rock's Thermal Diffusivity**: Applications of cylindrical thermal probe theory to the determination of thermal constants, 3499

- **Thermophysical properties of rocks from certain regions in western and southern Tien-Shan and the geothermal conditions of the Fergana depression, 2148**

- **Use of complete temperature-time curves for the determination of thermal conductivity with particular reference to rocks, 3463**

- **Rock's Thermal Equilibrium**: Restoration of temperature field of rocks after drilling borehole, 2795

- **Zone of disturbance of the thermal state of rocks by drilling a borehole, 2064**

- **Rock's Thermal Expansion**: Determination of the coefficient of linear thermal expansion of rock specimens by means of resistance wire (28-4°) strain gauges, 3410
underlying the Salton Sea geothermal area, 2448

SALTON SEA/MAGNETIC SURVEY
Aeromagnetic map and interpretation of the Salton Sea geothermal area, California, 2149

SALTON SEA/METEORIC WATER
Discussion - source fluids for Salton Sea geothermal system, 2507

SALTON SEA/MINERALS
Hydrothermal epidote formed in the Salton Sea geothermal system, California (Formed at 3200°C and 25 to 145 atm), 2448

SALTON SEA/SANDSTONES
Contribution to the mineral extraction from superheated geothermal brines, Salton Sea Area, California, 2943

SALTON SEA/SEDIMENTS
Preliminary investigation of the source of lead and strontium in geothermal waters underlying the Salton Sea geothermal area, 2448

Recent metamorphosis of piocone and quaternary sediments of the Salton Sea geothermal field, California, USA, 836

SALTON SEA/SEALIFE
Geothermal wastes and water resources of Salton Sea area, 2901

SALTON SEA/SALT
Geothermal waters and water resources of Salton Sea area, 2901

SALTON SEA/SALINITY
Geothermal waters and water resources of Salton Sea area, 2901

SALTON SEA/SALTS
Geothermal waters and water resources of Salton Sea area, 2901

SALTON SEA/SEDIMENTARY ROCKS
Geothermal waters and water resources of Salton Sea area, 2901

SALTON SEA/WEB DRILLING
New evidence for drilling in the Salton Sea, 2708

SALTON SEA/DRILLING
Steep well drilling pace is picking up along California's Salton Sea, 2700

SALTON SEA/SALT/MINERAL RESOURCES
Natural features and geological peculiarities of Salton Sea, 1980

SALTON SEA/COMPOSITION
Salt abundance, 3618

SALTON SEA/ITTERATION
Effect of solute dispersion on thermal convection in a porous medium, 3618

SALTON SEA/PHASE STUDIES
Conditions for spontaneous rupture of supercooled and supersaturated states of aqueous saline solutions, 3622

SALTON SEA/RECOVERY
Geothermal heat shows possible use in the Fiji Islands, 2934

SALTON SEA/CONDUCTIVITY
High temperature thermal conductivity of six samples, 3618 (UCNL-7605)

SALTON SEA/SAMPLERS/DESIGN
Portable sampler for collecting water samples from specific zones in unceded or screened wells, 1617

SALTON SEA/SAMPLERS/DESIGN
Proposed geothermal sampler design, 2882 (UCID-16610)

SALTON SEA/HYDROTHERMAL ALTERATION
Assessment of hydrothermal alteration of arenaceous sand in a near-surface geothermal environment in the Imperial Valley of California, 923

SALTON SEA/HEAT/TRANSMISSION
Thermal conductivity of porous media, 3618

SALTON SEA/HEAT/CONDUCTIVITY
Evaluation of irreversible reactions in geothermal processes involving minerals and aqueous solutions, thermostadynamic relations, 3650

SALTON SEA/HEAT/DEFORMATION
Influence of temperature, strain rate and interstitial water in the experimental deformation of calcite rocks, 3666

SALTON SEA/ELASTICITY
Seismic wave velocities in specimens obtained from Matsukawa geothermal area, Japan, Part 2. (In individual studies by participants) 1290

SALTON SEA/HEAT/CONDUCTION
Hydrothermal rock alteration at Wairakei, New Zealand, 1054

SALTON SEA/HEAT/CHANGE
Hydrothermal alteration of proterozoic rocks in the Olekma-Vitim highlands, 1153

SALTON SEA/HEAT/CONDUCTION
Natural hydrothermal systems and the reaction of hot water with sedimentary rocks, 3591

SALTON SEA/HEAT/TRANSFORMATION
Apparatus for rapid determination of heat conductivity of poor conductors, 3525

SALTON SEA/HEAT/TRANSFORMATION
Effect of folded basement on thermal state of...
Silver sulfides/Geothermometry

AgS and Ag2Se transitions as geologic thermometers, 3464
Silver sulfides/transitional temperature
AgS and Ag2Se transitions as geologic thermometers, 3464
Sodium/absorption spectrophotometry
Geochemistry of Central American volcanic gas condensates, 2555
Sodium/bonding
Distribution of Na, K, Rb, Cs as trace elements between alkali feldspars and hydrothermal solutions at 65–90°C: kÅ br: experimental data and thermodynamic interpretation, 3915
Geochemistry of Arizona. Progress report, 364
High-activity hydrothermal zones detected by Na/K, Cerno Prieto, Mexico, 2552
Hygienic features of hydrothermal waters used at the municipal water supply in Makhachkala (ACl, KCl, K, RbCl, AgNO3, NaNCh), 3723
Sodium/chlorides/solution heat
Physicochemical properties of a sodium chloride—sodium chlorate—sodium perchlorate–water system at 40°C, 3678
System H2O–NaCl at elevated temperatures and pressures, 3479
System H2O–NaCl at elevated temperatures and pressures, 3512
Sodium/chlorides/solution heat
Determination of physical properties of aqueous solutions boiling at atmospheric pressure, 3721
Temperature dependence of the heats of dissolution of monovalent metal salts in water and in methanol (KCl, K, CsI, RbCl, AgNO3, NaNCl), 3723
Sodium/chlorides/solvent properties
Reactions of quartz and corundum with aqueous chloride and hydroxide solutions at high temperatures and pressures, 3597
Sodium/chlorides/thermal conductivity
Method for determining the average specific heat of aqueous solutions of inorganic compounds, 3772
Sodium/chlorides/thermodynamic properties
Determination of physical properties of aqueous solutions boiling at atmospheric pressure, 3677
Thermophysical properties of aqueous sodium chloride solutions, 3534
Sodium/chlorides/vapor pressure
System of Na2CO3–NaHCO3–H2O at temperatures up to 200°C, 3469
Sodium/chlorides/viscosity
Physicochemical properties of a sodium chloride–sodium chlorate–sodium perchlorate–water system at 40°C, 3678
Sodium compounds/abundance
Equation of state of sodium chloride solutions, 3534
Sodium compounds/abundance
Equations of state of sodium sulfuric acid solutions boiling at atmospheric pressure, 3677
Sodium compounds/density
Distribution of Na, K, Rb and Cs as trace elements between alkali feldspars and hydrothermal solutions at 65–90°C: kÅ br: experimental data and thermodynamic interpretation, 3915
Sodium compounds/electric conductivity
Physicochemical properties of a sodium chloride–sodium chlorate–sodium perchlorate–water system at 40°C, 3678
Sodium compounds/electric viscosity
Physicochemical properties of a sodium chloride–sodium chlorate–sodium perchlorate–water system at 40°C, 3678
Sodium compounds/hydroxydes/solvent properties
Reactions of quartz and corundum with aqueous chloride and hydroxide solutions at high temperatures and pressures, 3597
Sodium compounds/solubility
Determination of physical properties of aqueous solutions boiling at atmospheric pressure, 3677
Sodium compounds/solvent properties
Reactions of quartz and corundum with aqueous chloride and hydroxide solutions at high temperatures and pressures, 3597
Sodium compounds/thermal conductivity
Method for determining the average specific heat of aqueous solutions of inorganic compounds, 3772
Sodium compounds/thermodynamic properties
Determination of physical properties of aqueous solutions boiling at atmospheric pressure, 3677
Sodium compounds/viscosity
Physicochemical properties of a sodium chloride–sodium chlorate–sodium perchlorate–water system at 40°C, 3678
Sodium ions/abundance
Sodium ion concentration in New Mexico's thermal waters, 2450
Sodium ions/quantity ratio
Sodium ion concentration in New Mexico's thermal waters, 2450
Sodium nitrates/physical properties
Determination of physical properties of aqueous solutions boiling at atmospheric pressure, 3577
Sodium nitrates/solution heat
Rots of solution of sodium dodecyl sulfate and inorganic salts determined with a microcalorimeter, 3746
Temperature dependence of the heats of dissolution of monovalent metal salts in water and in methanol (KCl, NaCl, K, CsI, RbCl,
### SOLAR ENERGY/USES

- Battelle Information No. 1, 410 (N-70-38878)
- World Energy Supply Conference - 1973 ends cheap energy era, 412

### SOLAR ENERGY CONVERSION

- Land, sea, and air. Survey of some auxiliary sources of energy for electricity generation (includes geothermal heat, underground gasification, tidal power, wind power, and solar energy), 40

### SOLAR POWER PLANTS

- See also SOLAR SEA POWER PLANTS
- Assessing advanced methods of generation, 2987

### SOLAR POWER PLANTS/RESEARCH PROGRAMS


### SOLAR SEA POWER PLANTS/ECONOMICS

- New sources of energy and economic development: solar energy, wind energy, tidal energy, geothermal energy, and thermal energy of the seas (Monograph), 41

### SOLAR ENERGY/PLANNING

- Energy options - technological development for new energy sources, 158 (N-74-16604)

### SOLAR ENERGY/RESEARCH PROGRAMS

- Alternative energy sources: a research challenge, 3 (CONF-730660-1)

### SOLAR ENERGY/REVIEWS

- Solar and geothermal energy: new competition for the atom, 147

### SOLAR ENERGY/BIBLIOGRAPHIES

- Energy, a continuing bibliography with indexes, 5 (NASA-SP-7043(01))
- Energy-a special bibliography with indexes, 4 (NASA-SP-7642)

### SOLAR ENERGY/AMERICA/GEOTHERMAL RESOURCES

- Geothermal heat flow through the soil at Wairakei, 1972, 3612

### INDEX SOUTH AMERICA/HOT SPRINGS

- Geophysics in the exploration, exploitation, and research and development of geothermal gradients, 584
- Assessment of geothermal gradients, 584
- Preliminary report of terrestrial heat flow study in the South American continental distribution of geothermal gradients, 584
- Preliminary report of terrestrial heat flow study in the South American continental distribution of geothermal gradients, 584
- Underground water at the present time, their regime, temperature, and composition from the
Nevada, 1707
STEAMBOAT SPRINGS/HEAT FLOW

STEAMBOAT SPRINGS/HOT SPRINGS
Hydrothermal alteration of rocks in two drill holes at Steamboat Springs, Washoe County, Nevada, 2293.

Isotopic geochemistry of hot springs, 2316.

Sources of heat and water supply of thermal springs, with particular references to Steamboat Springs, Nevada, 2571.


STEAMBOAT SPRINGS/HYDROTHERMAL ALTERATION
Hydrothermal alteration in drill holes GS-5 and GS-7, Steamboat Springs, Nevada (Mineral associated with hole-bore temperature), 3255.

Hydrothermal alteration in GS-3 and GS-4 drill holes, main terrace, Steamboat Springs, Nevada, 827.

STEAMBOAT SPRINGS/MINERAL SPRINGS
Minerals of Steamboat Springs, Nevada, 2448.

Hydrothermal alteration of basaltic andesite and other rocks in drill hole GS-6, Steamboat Springs, Nevada, 696.

Occurrence of pyrite and metasulfite at Steamboat Springs, Nevada, 2294.

STEEL-1KHN1/CORROSION
Corrosion of metals in geothermal waters, 3196.

STEEL-1KHN1/OT/PITTING CORROSION
Corrosion of metals in geothermal waters, 3196.

STEEL See also CARBON STEELS
Corrosion of metals in geothermal power plants, 3199.

Corrosion of geothermal systems and measures for controlling it, 3186.

Corrosion by low-pressure geothermal steam, 3181.

Corrosion of metals in geothermal waters, 3196.

Corrosion aggressiveness of geothermal waters, 3205.

Possibility of complex uses of corrosive geothermal waters in Bulgaria, 3185.

STEEL/PITTING CORROSION
Corrosion of metals in geothermal waters, 3196.

STRAIT/ABUNDANCE
Geochemical and geological features of the thermal springs of Gorizia Treviso, 1479.

Hygienic features of geothermal waters used as the municipal water supply in Makrihaki, 2514.

Strontium content of the hot springs in Lecce and Hakone districts, 2492.

STRONTIUM ISOTOPES/ABUNDANCE
Petrogenetic relationships of acid and basic rocks in Iceland: Sr-isotopes and rare-earth elements in late and postglacial volcanics, 2621.

Preliminary investigation of the source of lead and strontium in deep geothermal brines underlying the Salton Sea geothermal area, 2448.

SUBTERRANE PENTRATORS/HEAT TRANSFER
Heat loss calculations for small diameter subterranean penetrators, 3110 (LA-5207-MS).

SUBTERRANE PENETRATORS/OPERATION
Rock melting technology and geothermal drilling, 3112 (LA-UR-74-1886).

SUBTERRANE PENETRATORS/PERFORMANCE
Rock melting subterranean, their role in future excavation technology, 3111 (LA-UR-74-740).

SUBTERRANE PENETRATORS/RESEARCH PROGRAMS
Rock melting technology and geothermal drilling, 3112 (LA-UR-74-1886).

SUBTERRANE PENETRATORS/TECHNICAL EFFICIENCY
Heat loss calculations for small diameter subterranean penetrators, 3110 (LA-5207-MS).

SULFATES/ABUNDANCE
Formation of the sulfite ion in thermal waters, 2587.

Formation mechanism of thermal springs studied by the analysis of their chemical compositions, 2565.

Geochemical survey of Soukay district in Mt. Taisetsa area, Hokkaido, Japan, 589. HGS-I test well, 2587.

Hot spring water of Shinobu Takayu Spa, Fukushina Prefecture, Japan, 2565.

SULFATES/CHEMICAL ANALYSIS
Geochemistry of Central American volcanic gas condensates, 2555.

Use of automated titrimetry for analyses of natural water, 2568.

SULFATES/CHEMICAL COMPOSITION
General dependencies between the composition of solutions and their density. 1. Aqueous electrolyte solutions, 3718.

SULFATES/DESTRUCTIVITY
General dependencies between the composition of solutions and their density. 1. Aqueous electrolyte solutions, 3718.

SULFATES/ISOTOPE RATIO
Fractionation of sulfur isotopes in nature, 3461.

Oxygen-16 and carbon-13 contents of the sulfates and the carbonates associated in non oxidizing geothermal environments, 3461.

Sulfur isotopic variations in nature, sulfur isotopic measurements on sulfapur and sulfates in New Zealand geothermal and volcanic areas, 2363.

SULFATES/PRECIPITATION
Thermal precipitation in aqueous solutions, 3837.

SULFATES/QUANTITY RATIO
Hot springs in Amore Prefecture, 2, 2531.

SULFURES/SOLUBILITY
Canyon minerals in hydrothermal deposits, 3562.

SULFURES/ABUNDANCE
Sulfides associated with the Salton Sea geothermal brine, 2467.

SULFURES/CHIMICAL ANALYSIS
Sulfur is the central element in the formation of metal sulfides. 1,412.

Sulfide mineralization in a broadlands geothermal drill hole, Taupo Volcanic Zone, New Zealand (Base-metal sulfides), 1412.

Sulfide mineralization in a Broadlands geothermal drill hole, Taupo volcanic zone, New Zealand, 2536.

SULFURES/OXIDATION
Thermal anomalies and sulfide oxidation in the silver bell mining district, 2209.

SULFURES/REMOVAL
Environmental aspects of the multipurpose development of geothermal resources, 2225.

SULFURES/SOLUBILITY
Expressions for calculating the solubilities of metal sulfides in hydrothermal solutions, 3759.

Sulfur is the central element in the formation of metal sulfides. 1,412.

SULFURES/SYNTHESIS
Hydrothermal ore deposits. Typomorphic minerals of recent hydrothermal systems, 3696.

Thermodynamic conditions of hydrothermal mineral formation in the central part of the Salton Sea Basin, 3636.

SULFURES/ABUNDANCE
Investigations of thermal brines and sediments of the Atlantis II deep in the Red Sea, 2504.

Sulfur isotope ratios in relation to volcanic and geophysical problems, 2446.

SULFURES/CHEMICAL REACTIONS
Behavior of sulfur in hydrothermal solutions, 3714.

SULFURES/GELOGIC DEPOSITS
Occurrence of sulfur, orpiment, and realgar in the Yellowstone National Park, 2641.

SULFURES/INDUSTRIAL PLANTS
New method of H2S absorption and recovery of sulfur from carbon dioxide gases, 2931.

SULFURES/RECOVERY
New method of H2S absorption and recovery of sulfur from carbon dioxide gases, 2931.

Utilization of geothermal energy in the production of boric acid and by-products from the lead-gold sulfides. 5303.

SULFURES/32/SULFURES/34
Isotopic composition of sulfur in hydrothermal waters of Kamchatka and Kurile Islands and its genetic significance, 2573.

SULFURES/34/SULFURES/32
Isotopic composition of sulfur in hydrothermal waters of Kamchatka and Kurile Islands and its genetic significance, 2573.

SULFURES/COMPOUNDS/ABUNDANCE
Occurrence of stibnite and metastibnite at Steamboat Springs, Nevada, 2293.

SULFURES/DIOXIDE/ISOTOPE RATIO
Sulfur isotope effects in volcanic gas mixtures, 3747.

SULFURES/ISOTOPES/ABUNDANCE
Sulfur isotopic distribution in sulfatates, Yellowstone National Park, 2649.

SULFURES/ISOTOPES/GEOTHERMOMETRY
Isotopic fractionation of sulfur in geothermal
Isotope geology of the Stealthal Springs Area, Nevada, 1756
Isotope composition of waters of the Brooklands geothermal field, 2361
Source fluids for Salton Sea geothermal system, 699
SURFACE WATERS/WATER POLLUTION
Major thermal springs of Utah, 899
Preliminary study of the quality of water in the drainage area of the Jemez River and Rio Guadalupe, 2278 (LA-5959-R)
SURFACTANTS/PERFORMANCE
Treatment of drilling mud with surfactants, 3125
SUSPENSIONS/WATER
Thermo-dynamic properties of water in suspensions of montolomite, 3513
SWEDEN/INFRARED SURVEYS
SWITZERLAND/HOT SPRINGS
Mineral springs of Switzerland, 1444
Report on the present state of knowledge with respect to mineral and thermal waters, 1004
SWITZERLAND/MINERAL SPRINGS
Mineral springs of Switzerland, 1444
SYNTHETIC FUELS
Summary of an assessment of new options in energy research and development, 333
SYNTHETIC FUELS/PRODUCTION
Annual review of fuels for 1972, Research on gasification of coal and hydrocarbon (Review with 90 references), 333
T
TAIWAN/GEOLoGIC DEPOSITS
Geologic controls of mineral deposits in Taiwan, 1562
TAIWAN/GEOTHERMAL EXPLORATION
Exploration of geothermal resources in the Tatun volcanic region, Taiwan, Republic of China, 550
Geophysical exploration in the Tatun volcanic region, Taiwan, 546
TAIWAN/GEOTHERMAL FIELDS
Geothermal exploration in the Tatun volcanic region, Taiwan, 546
TAIWAN/GEOTHERMAL RESOURCES
Exploration of geothermal resources in the Tatun volcanic region, Taiwan, Republic of China, 550
Exploration of geothermal steam in Ta'unool thermal area, Tatun Volcanic Region, North Taiwan, 1321
Geothermal energy in hot spring districts in Taiwan, 1554
TAIWAN/GEOTHERMAL WELLS
Exploration and steam-flow test of Ma-Tao C-202 geothermal well in Taiwan, 3462
TAIWAN/HOT SPRINGS
Geothermal energy in hot spring districts in Taiwan, 1504
TALC/Chemical reaction kinetics
Kinetics of hydrothermal reactions near the monovariant equilibrium line and a method of estimating equilibria, 3025
Tanzania/GEOTHERMAL RESOURCES
Geothermal resources of Tanzania, 566
Tanzania/HOT SPRINGS
Geological investigations, sampling and diamond drilling at Manyeghi hot springs, Singida District, 1157
Geophysical investigations at Manyeghi hot springs, 1972
Springs of deep seated origin in Tanzania, 1545
Thermal springs in Tanzania, 1250
Thermal springs in Tanzania (Relation between temperature and evolution of He and CO2), 2485
TASMANIA/HEAT FLOW
Borehole temperature measuring equipment and the geothermal flux in Tasmania (2 x 10^-9cal/sec), 2673
TECTONICS
Geophysics, geologic structures and tectonics (Book), 3567
Thermal regime of a downgoing slab (in Geothermal problems - Symposium, Madrid, Spain, 1969, Proceedings), 3719
TEMPERATURE MEASUREMENT/BIBLIOGRAPHIES
Bibliography of temperature measurement, January 1953-Jun 1960, 1773
TEMPERATURE MEASUREMENT/COMPUTER CALCULATIONS
Mixtura, computer program for the calculation of hot water temperature and mixing fractions of large volume water springs of mixed water origin, 645 (PB-223735)
TEMPERATURE MEASUREMENT/MEASURING INSTRUMENTS
Bibliography of temperature measurement, January 1953-Jun 1960, 1773
TEMPERATURE MONITORING/MEASURING INSTRUMENTS
Using nuclear resonance in sense temperature, 1763
TEXAS/GEOTHERMAL RESOURCES
Abnormal pressures and potential geothermal resources in the Rio Grande embayment of Texas,
Fluorine in thermal springs of low mineral content, 2336
Formation of the sulfite ion in thermal waters, 2356
Formation mechanism of thermal springs studied by the analysis of their chemical compositions, 2065
Funnel and geyser field west of the Tatio volcanic group (Antofagasta Province, Chile), 1132
Funeralic-hot spring and tephrithermal mineral deposit environment, 662
Furnes of the Azores (Boiling springs), 1061
General review of the minerals and thermal waters of Rumania, 1442
Genetic nature of the values of rubidium cesium and lithium cesium ratios in natural waters, 2562
Geochemical investigation of the strong acid water from the bored wells in Hokkaido, Japan, 2537
Geochemical studies of thermal waters in the Southern Lowlands of Iceland, 2546
Geochemical study on hot springs in Noboribetsu, 1297
Geochemical study of rock alteration by hot springs in the Paint Pot Hill area, Yellowstone Park, 859
Geochemical studies on the district around Mt. Norikura (1) on the hot springs "Shirahone", 2435
Geochemical studies on the hot springs in Sanin district and the surrounding area, 2469
Geochemical study of iodine in volcanic gases, 2460
Geochemical study on the variation of hot spring waters caused by the Mutsushiro earthquake swarm, 1432
Geochemical aspects of thermal springs in El Salvador, 2418
Geochemical studies on Tensasve Hot Spring, 1229
Geochemical and geological features of the thermal springs of Gornja Trepca, 1479
Geochemical research on the mineral waters of Mentocatini springs (Pistoia), 2332
Geochemical investigation of geysers in Japan, Zealnd, 2630
Geochemical investigation of the hot springs in the Zao volcanic region, 2436
Geochemical studies on mineral springs. Part II. Change of chemical components with lapse of years in lito spa, 2439
Geochemical investigation of the Noboribetsu Oyunuma explosion crater lake, 2451
Geochemical investigation of mineral springs in the Shizorake volcanic region, 2350
Geochemical study on fumarolic gases and hot spring waters of volcano Shirane and the surrounding area, 2504
Geochemical studies on the mineral springs of Echigo-Yuzawa Spa, 2487
Geochemistry of the waters discharged from drillholes in the Okage and Hathebura areas, 2547
Geochemistry of bromine and iodine in New Zealand thermal waters, 2372
Geochemistry of the Nguwa hydrothermal area, 1305
Geochemistry of polybdenum in natural waters (2), 2379
Geochemistry of germanium in carbonated thermal waters, based on the examples of the greater Caucasus and the Pamirs, 2475
Geochemistry of thermal waters, 2506
Geochemistry of fluorine in thermal and other types of natural waters, 2478
Geochemistry of hot springs of volcanic regions, 2434
Geological study of hot springs in Kyushu, Japan. V. Some hot springs in the Kagoshima graben, with special reference to thermal water reservoir, 2012
Geological and radiometric survey on Tensasve hot spring, 1117
Geological study on mineral springs in Hokkaido, 1193
Geology and thermal waters of Gojojiki hotspring area, Fukushima prefecture, 1178
Geology and thermal waters of Gojojiki hotspring area, Fukushima prefecture, 1135
Geology and water resources of the Bighorn Basin, Wyoming, 764
Geology and hot springs of Kurgyu geothermal area, Akita Prefecture, 820
Geology of mineral springs, 2413
Geothermal resources, present and future demand for power, and legislation in the state of wyoming, 2394
Geothermal power potential in Utah, 216
Geothermal drillholes - chemical investigations, 1238
Geochemical investigations in Idaho, 1
Geochemistry and geologic setting of selected
<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Italian springs, 1048</td>
<td>522</td>
</tr>
<tr>
<td>Quantitative interpretation of chemical composition of hydrothermal</td>
<td></td>
</tr>
<tr>
<td>systems, 2542</td>
<td></td>
</tr>
<tr>
<td>Question of the hydrothermal metamorphism of rocks in post-volcanic</td>
<td></td>
</tr>
<tr>
<td>processes on Klyuchevskoy Volcano (Kurile Islands), 2401</td>
<td></td>
</tr>
<tr>
<td>Radioisotopes in the waters of neovolcanic regions of the Caucasus,</td>
<td></td>
</tr>
<tr>
<td>2524</td>
<td></td>
</tr>
<tr>
<td>Radon content of hot springs in Tottori Prefecture, Japan, 2331</td>
<td></td>
</tr>
<tr>
<td>Recent hydrothermal activity in the region of the Uzon-Cokskoy</td>
<td></td>
</tr>
<tr>
<td>volcano, 1526</td>
<td></td>
</tr>
<tr>
<td>Recent state of the Tottori hot springs, 1281</td>
<td></td>
</tr>
<tr>
<td>Recent sulphur isotope measurements on a variety of samples examined</td>
<td></td>
</tr>
<tr>
<td>in New Zealand, 2432</td>
<td></td>
</tr>
<tr>
<td>Regional peculiarity in Beppu thermal springs, 2553</td>
<td></td>
</tr>
<tr>
<td>Regional properties of hot springs in Japan, hot springs other than</td>
<td></td>
</tr>
<tr>
<td>those of quaternary volcanic springs, 2568</td>
<td></td>
</tr>
<tr>
<td>Regular characteristics in formation of chemical composition of</td>
<td></td>
</tr>
<tr>
<td>thermal waters in the Ill Prefecture, Japan, 1131</td>
<td></td>
</tr>
<tr>
<td>Relation of the geological structure to the occurrence of natural</td>
<td></td>
</tr>
<tr>
<td>steam in the Unikobe Basin, Miyagi prefecture, 1131</td>
<td></td>
</tr>
<tr>
<td>Releasing-addition method for the flame-photometric determination of</td>
<td></td>
</tr>
<tr>
<td>calcium in thermal water, 2405</td>
<td></td>
</tr>
<tr>
<td>Report on the nature of subterranean heat deposits and hot springs,</td>
<td></td>
</tr>
<tr>
<td>1704</td>
<td></td>
</tr>
<tr>
<td>Results of exploratory works in region of Pauzhetka, 475</td>
<td></td>
</tr>
<tr>
<td>Review of hot springs of the Yellowstone National Park7 by Eugene</td>
<td></td>
</tr>
<tr>
<td>Thomas Allen and Arthur Louis Day, February, 1936, 785</td>
<td></td>
</tr>
<tr>
<td>Review of the work of the Institute of Nuclear Sciences, New</td>
<td></td>
</tr>
<tr>
<td>Zealand, 2471</td>
<td></td>
</tr>
<tr>
<td>Review of the knowledge of metallogenous ores and related deposits</td>
<td></td>
</tr>
<tr>
<td>(in Southern California and Campian and Red Sea), 2664</td>
<td></td>
</tr>
<tr>
<td>Revolution and Argentine mineral waters, 2369</td>
<td></td>
</tr>
<tr>
<td>Silica and fluoride over the tag hydrothermal field (Trans-Atlantic</td>
<td></td>
</tr>
<tr>
<td>geotraverse), 2683</td>
<td></td>
</tr>
<tr>
<td>Silica in thermal mineral springs of the Pyrenees, 2499</td>
<td></td>
</tr>
<tr>
<td>Silicon in hot water discharged from drill holes at Wairakei, New</td>
<td></td>
</tr>
<tr>
<td>Zealand (Use as deep-water temperature indicator), 2444</td>
<td></td>
</tr>
<tr>
<td>Sodium ion concentration in New Mexico's thermal waters, 2456</td>
<td></td>
</tr>
<tr>
<td>Solution of certain problems relating to the formation of thermal</td>
<td></td>
</tr>
<tr>
<td>waters of artesian basins on the basis of thermohydrodynamic</td>
<td></td>
</tr>
<tr>
<td>calculations and isotopic composition, 2495</td>
<td></td>
</tr>
<tr>
<td>Some additional notes on thermal activity in Iceland (Analyses of</td>
<td></td>
</tr>
<tr>
<td>gases, temperature measurements, and activity of hot springs), 996</td>
<td></td>
</tr>
<tr>
<td>Some aspects of the formation of thermal waters and prospects of</td>
<td></td>
</tr>
<tr>
<td>using them, 505</td>
<td></td>
</tr>
<tr>
<td>Some reviews of geological waters at the Bluebell Mine, Rondel,</td>
<td></td>
</tr>
<tr>
<td>British Columbia, 1514</td>
<td></td>
</tr>
<tr>
<td>Sources of hot water supply of thermal springs, with particular</td>
<td></td>
</tr>
<tr>
<td>references to Steamboat Springs, Nevada, 2321</td>
<td></td>
</tr>
<tr>
<td>Spectrographic techniques for determining chemical properties of</td>
<td></td>
</tr>
<tr>
<td>geothermal water, 2580</td>
<td></td>
</tr>
<tr>
<td>Use of geothermal wells for experimental works on the study of</td>
<td></td>
</tr>
<tr>
<td>chemistry of solutions and mineral composition, 2522</td>
<td></td>
</tr>
<tr>
<td>Use of minerals of variable composition as qualitative indicators of</td>
<td></td>
</tr>
<tr>
<td>element content in hydrothermal solutions, 3645</td>
<td></td>
</tr>
<tr>
<td>Utilization of thermal waters and steam of the Kuroi-takanakaoka</td>
<td></td>
</tr>
<tr>
<td>island arc for power, 1078</td>
<td></td>
</tr>
<tr>
<td>Vittel waters, 1527</td>
<td></td>
</tr>
<tr>
<td>Volcanic gases in Japan, 2396</td>
<td></td>
</tr>
<tr>
<td>Volcanic hydrothermal area, and the interpretation of thermal water</td>
<td></td>
</tr>
<tr>
<td>compositions, 1277</td>
<td></td>
</tr>
<tr>
<td>Volcanic hydrothermal areas and the interpretation of thermal water</td>
<td></td>
</tr>
<tr>
<td>compositions, 2455</td>
<td></td>
</tr>
<tr>
<td>Volcanized and the thermal springs of the Uzon-Semyachik geothermal</td>
<td></td>
</tr>
<tr>
<td>region Kachkata, 1532</td>
<td></td>
</tr>
<tr>
<td>Volcanological observations, 2385</td>
<td></td>
</tr>
<tr>
<td>Volcanology 1927-29, 1136</td>
<td></td>
</tr>
<tr>
<td>Waikanae (hot springs) near Auckland, New Zealand, 1580</td>
<td></td>
</tr>
<tr>
<td>Water analyses from the laboratory of the United States Geological</td>
<td></td>
</tr>
<tr>
<td>Survey, 2392</td>
<td></td>
</tr>
<tr>
<td>Water collection at Misawa hot springs, 2362</td>
<td></td>
</tr>
<tr>
<td>Studies on formation mechanism of thermal springs by the analysis of</td>
<td></td>
</tr>
<tr>
<td>chemical composition of Principal constituents of thermal waters and</td>
<td></td>
</tr>
<tr>
<td>distribution of chemical components in Lizaka Spa, 2509</td>
<td></td>
</tr>
<tr>
<td>Studies on the chemical composition and levels of ground water at</td>
<td></td>
</tr>
<tr>
<td>Misawa hot springs, 2366</td>
<td></td>
</tr>
<tr>
<td>Study by 'endogenic forces' of the Neapolitan region, 2306</td>
<td></td>
</tr>
<tr>
<td>Study of the mineral waters of Rogask Slatina, 2308</td>
<td></td>
</tr>
<tr>
<td>Study on the variation of Kasiyama and Nuruya Hot Springs caused by</td>
<td></td>
</tr>
<tr>
<td>the Mtisushi earthquake swarm, 1433</td>
<td></td>
</tr>
<tr>
<td>Sulfur isotopic fractionation between sulfur and sulfurous acid in</td>
<td></td>
</tr>
<tr>
<td>the hydrothermal solution of sulfur dioxide, 2438</td>
<td></td>
</tr>
<tr>
<td>Sulfur isotope distribution in sulfatears, Yellowstone National Park,</td>
<td></td>
</tr>
<tr>
<td>496</td>
<td></td>
</tr>
<tr>
<td>Sulphur isotopic variations in New Zealand geothermal bore waters</td>
<td></td>
</tr>
<tr>
<td>(sulfur isotope variations in nature), 2356</td>
<td></td>
</tr>
<tr>
<td>Summary of chemical characteristics of some waters of deep origin,</td>
<td></td>
</tr>
<tr>
<td>2570</td>
<td></td>
</tr>
<tr>
<td>Survey of thermal springs in Washington State, 1497</td>
<td></td>
</tr>
<tr>
<td>Tag hydrothermal field (Trans-Atlantic geotraverse), 2632</td>
<td></td>
</tr>
<tr>
<td>Water drilling for thermal water resource in Kamishichiko, Miyazaki</td>
<td></td>
</tr>
<tr>
<td>prefecture, Hokkaido, Japan, 2750</td>
<td></td>
</tr>
<tr>
<td>Thermal activity at Walotapu, 1207</td>
<td></td>
</tr>
<tr>
<td>Thermal and mineral springs in the southern Rocky Mountains of Canada,</td>
<td></td>
</tr>
<tr>
<td>2306</td>
<td></td>
</tr>
<tr>
<td>Thermal and mineral springs of Jamaica, 1416</td>
<td></td>
</tr>
<tr>
<td>Thermal and mineral springs of South Viet Nam, 1449</td>
<td></td>
</tr>
<tr>
<td>Thermal-mineral springs of Venezuela. Springs in Aqu Caliente,</td>
<td></td>
</tr>
<tr>
<td>Jachira, 1013</td>
<td></td>
</tr>
<tr>
<td>Thermal saline waters in Japan, 1123</td>
<td></td>
</tr>
<tr>
<td>Therm of Pedro Luro (province of Buenos Aires), 2669</td>
<td></td>
</tr>
<tr>
<td>Thermal springs near Midway, Utah, 86</td>
<td></td>
</tr>
<tr>
<td>Thermal springs on Frichtweg, 236 near Pasiphaeusburg, Natal, 2416</td>
<td></td>
</tr>
<tr>
<td>Thermal springs at Liani, Natal, and their geologic setting, 2406</td>
<td></td>
</tr>
<tr>
<td>Thermal springs of Kamchatka, 2302</td>
<td></td>
</tr>
<tr>
<td>Thermal springs in Tanzania (Relation between temperature and</td>
<td></td>
</tr>
<tr>
<td>evolution of Rn and CO2), 2485</td>
<td></td>
</tr>
<tr>
<td>Thermal waters in the Republic of South Africa, 527</td>
<td></td>
</tr>
<tr>
<td>Thermal waters of the Kurile Islands (Conditions of formation and</td>
<td></td>
</tr>
<tr>
<td>related mineralization), 498</td>
<td></td>
</tr>
<tr>
<td>Thermal waters of Georgia (USSR), 557</td>
<td></td>
</tr>
<tr>
<td>Thermal waters of Siberia and its folded-mountains framing, 1461</td>
<td></td>
</tr>
<tr>
<td>Thermal waters of central and eastern Caucausia, 467</td>
<td></td>
</tr>
<tr>
<td>Thermal waters in the USSR, 472</td>
<td></td>
</tr>
<tr>
<td>Thermal waters of volcanic origin, 2341</td>
<td></td>
</tr>
<tr>
<td>Thermal waters of Sakhalin and their utilization, 1399</td>
<td></td>
</tr>
<tr>
<td>Thermal water in the Joban coal field, 2328</td>
<td></td>
</tr>
<tr>
<td>Thermalmineal sources of the Vietnam center, 2411</td>
<td></td>
</tr>
<tr>
<td>Tritium content of hot springs in some geothermal areas, 2465</td>
<td></td>
</tr>
<tr>
<td>Tritium content of Beppu hot spring water, 2566</td>
<td></td>
</tr>
<tr>
<td>Tritium determinations on bore waters in the light of chloride-</td>
<td></td>
</tr>
<tr>
<td>enthalpy relations, 2477</td>
<td></td>
</tr>
<tr>
<td>Turkish mineral waters and thermal springs, 2314</td>
<td></td>
</tr>
<tr>
<td>Turkish mineral waters and thermal springs, 2315</td>
<td></td>
</tr>
<tr>
<td>Turkish mineral waters and thermal springs, 2318</td>
<td></td>
</tr>
<tr>
<td>Types of Japanese volcanic thermal water, 2385</td>
<td></td>
</tr>
<tr>
<td>Uchinoaki hot springs in Aomori Prefecture, 2519</td>
<td></td>
</tr>
<tr>
<td>Use of geothermal wells for experimental works on the study of</td>
<td></td>
</tr>
<tr>
<td>chemistry of solutions and mineral high temperature and pressure</td>
<td></td>
</tr>
<tr>
<td>conditions, 3711</td>
<td></td>
</tr>
<tr>
<td>Zinc content in chloride solutions in equilibria with granitic rock</td>
<td></td>
</tr>
<tr>
<td>minerals under high temperature and pressure conditions, 3711</td>
<td></td>
</tr>
</tbody>
</table>

**THERMAL WATERS/CHEMICAL PROPERTIES**
<table>
<thead>
<tr>
<th>Index</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>153</td>
<td><strong>THERMAL WATERS/ISOTOPE RATIO</strong></td>
</tr>
<tr>
<td></td>
<td>Flashing flow in hot water geothermal wells, 3264</td>
</tr>
<tr>
<td></td>
<td>Geothermal hot water recovery process and system (Patent), 3067</td>
</tr>
<tr>
<td></td>
<td>Recovery of flash steam from hot bore water, 3037</td>
</tr>
<tr>
<td></td>
<td><strong>THERMAL WATERS/FLOW RATE</strong></td>
</tr>
<tr>
<td></td>
<td>Contribution to the thermodynamic analysis on the heat source of Obama hot springs in</td>
</tr>
<tr>
<td></td>
<td>the vicinity of Unzen volcano district, 3269</td>
</tr>
<tr>
<td></td>
<td>Does the cold of winter affect the thermal intensity of the hot springs in Yellowstone Park,</td>
</tr>
<tr>
<td></td>
<td>809</td>
</tr>
<tr>
<td></td>
<td>Flow of thermal water at Owengat Hot Springs Area,</td>
</tr>
<tr>
<td></td>
<td>Yamagata prefecture, 1254</td>
</tr>
<tr>
<td></td>
<td>Geothermal energy in hot spring districts in Taiwan, 1564</td>
</tr>
<tr>
<td></td>
<td>Geyser, solfataras and springs of the range of San Andreas, Michoacan, 3264</td>
</tr>
<tr>
<td></td>
<td>Hot springs in Hokkaido, 1310</td>
</tr>
<tr>
<td></td>
<td>Indian Hot Springs, Graham County, Arizona, 784</td>
</tr>
<tr>
<td></td>
<td>Gid volcano in southeastern Rakhsha with recent hydrothermal manifestations, 1253</td>
</tr>
<tr>
<td></td>
<td>Probable thermal source of the hot springs in Tonotsuka Valley, Nara Prefecture, Japan, 2535</td>
</tr>
<tr>
<td></td>
<td>Rototus thermal water, 1014</td>
</tr>
<tr>
<td></td>
<td>Some additional notes on thermal activity in Iceland (Analyses of gases, temperature</td>
</tr>
<tr>
<td></td>
<td>measurements, and activity of hot springs), 996</td>
</tr>
<tr>
<td></td>
<td>Uchimomaki hot springs in As Caladera, 1159</td>
</tr>
<tr>
<td></td>
<td>Underground waters at the present time. Their regime, temperature, and composition from the</td>
</tr>
<tr>
<td></td>
<td>viewpoint of geothermal drilling of the role they play in the economy of the Earth's crust, 1592</td>
</tr>
<tr>
<td></td>
<td><strong>THERMAL WATERS/FLUID FLOW</strong></td>
</tr>
<tr>
<td></td>
<td>Thermodynamic regime of underground water, 1059</td>
</tr>
<tr>
<td></td>
<td><strong>THERMAL WATERS/GEOCHEMISTRY</strong></td>
</tr>
<tr>
<td></td>
<td>Comparison of past and present geothermal waters, from a study of fluid inclusions,</td>
</tr>
<tr>
<td></td>
<td>Broadlands field, New Zealand, 2628</td>
</tr>
<tr>
<td></td>
<td>Complex utilization of thermal waters containing a high salt content, 380</td>
</tr>
<tr>
<td></td>
<td>Geochemical studies on Tamgawa Hot Spring, 1229</td>
</tr>
<tr>
<td></td>
<td>Geochemistry of thermal waters, 2504</td>
</tr>
<tr>
<td></td>
<td>Geochemistry of the isotopes in meteoric water and of thermal origin, 235</td>
</tr>
<tr>
<td></td>
<td>Geochemistry of thermal waters in Long Valley, California, 2006</td>
</tr>
<tr>
<td></td>
<td>Geochemistry of the hydrothermal ore-forming processes, 3756</td>
</tr>
<tr>
<td></td>
<td>Hydrogeochemical materials, 2403</td>
</tr>
<tr>
<td></td>
<td>Preliminary study of the geochemical characteristics of thermal waters in New Mexico, 2595</td>
</tr>
<tr>
<td></td>
<td>Relation of the sodium-potassium ratio in thermal waters to the equilibrium of feldspars</td>
</tr>
<tr>
<td></td>
<td>and analcite, 3825</td>
</tr>
<tr>
<td></td>
<td>Studies of the energy of geochemical processes in areas of present-day thermal water</td>
</tr>
<tr>
<td></td>
<td>discharge, 2469</td>
</tr>
<tr>
<td></td>
<td><strong>THERMAL WATERS/GEOTHERMAL GRADIENTS</strong></td>
</tr>
<tr>
<td></td>
<td>Determination of the parameters and depth of thermal underground water, 1796</td>
</tr>
<tr>
<td></td>
<td><strong>THERMAL WATERS/GEOTHERMOMETRY</strong></td>
</tr>
<tr>
<td></td>
<td>Empirical Na-K-Ca geothermometer for natural waters, 2614</td>
</tr>
<tr>
<td></td>
<td><strong>THERMAL WATERS/HEAT TRANSFER</strong></td>
</tr>
<tr>
<td></td>
<td>Evaporative heat transfer in vertical tubes at a geothermal brine conditions: a preliminary</td>
</tr>
<tr>
<td></td>
<td>investigation, 3104 (ORNL-TM-4135)</td>
</tr>
<tr>
<td></td>
<td>Hot springs in Hokkaido, 1318</td>
</tr>
<tr>
<td></td>
<td><strong>THERMAL WATERS/HYDRODYNAMICS</strong></td>
</tr>
<tr>
<td></td>
<td>Contribution of ground water system of the distribution of geothermal state (Piezometric</td>
</tr>
<tr>
<td></td>
<td>level of ground water and thermal waters), 738</td>
</tr>
<tr>
<td></td>
<td><strong>THERMAL WATERS/INORGANIC COMPOUNDS</strong></td>
</tr>
<tr>
<td></td>
<td>Geothermal hydrophosphates, 3359</td>
</tr>
<tr>
<td></td>
<td><strong>THERMAL WATERS/ION EXCHANGE</strong></td>
</tr>
<tr>
<td></td>
<td>Alkaline ion exchange reaction between alkali feldspars and hydrothermal solutions;</td>
</tr>
<tr>
<td></td>
<td>replacement vs. cation exchange, 3765</td>
</tr>
<tr>
<td></td>
<td><strong>THERMAL WATERS/ISOTOPE RATIO</strong></td>
</tr>
<tr>
<td></td>
<td>Determination of the chlorine-35/chlorine-37 ratio in Sapporo hot spring water by fast</td>
</tr>
<tr>
<td></td>
<td>neutron activation analysis, 2528</td>
</tr>
<tr>
<td></td>
<td>Geochemistry of the isotopes in meteoric water and of thermal origin, 235</td>
</tr>
<tr>
<td></td>
<td><strong>THERMAL WATERS/ENVIRONMENTAL EFFECTS</strong></td>
</tr>
<tr>
<td></td>
<td>Conservation of thermal waters from the point of view of the geothermal balance, 2064</td>
</tr>
<tr>
<td></td>
<td><strong>THERMAL WATERS/EXPLOITATION</strong></td>
</tr>
<tr>
<td></td>
<td>Complex utilization of thermal waters containing a high salt content, 580</td>
</tr>
<tr>
<td></td>
<td>Data on the thermal waters of the transcarpathian interior depression, 1684</td>
</tr>
<tr>
<td></td>
<td>Geothermal conditions of the artesian basins of Crimea, 1339</td>
</tr>
<tr>
<td></td>
<td>Geothermal features of the meso-cenozoic formations and possibilities of using the</td>
</tr>
<tr>
<td></td>
<td>thermal waters of the Steptilov territory, 1339</td>
</tr>
<tr>
<td></td>
<td>Geochemical conditions and thermal water resources of the Azov-Kuban oil and gas basin, 1340</td>
</tr>
<tr>
<td></td>
<td>Goryachyi Plaiz deposit of thermal water and steam (Kamchatka Island), 1192</td>
</tr>
<tr>
<td></td>
<td>Thermal waters of the North Caucasus and problems of their practical utilization, 506</td>
</tr>
<tr>
<td></td>
<td>Thermal waters of Kachchua and the problem of their utilization, 452</td>
</tr>
<tr>
<td></td>
<td><strong>THERMAL WATERS/FLASHING</strong></td>
</tr>
<tr>
<td></td>
<td>Dehydration aspects of the multipurpose development of geothermal resources, 2925</td>
</tr>
<tr>
<td></td>
<td>Evaporative heat transfer in vertical tubes at geothermal brine conditions: a preliminary</td>
</tr>
<tr>
<td></td>
<td>investigation, 3104 (ORNL-TM-4135)</td>
</tr>
</tbody>
</table>
Thermal waters of Kazakhstan and their value to the national economy, 1370

Thermal Waters/Temperature Measurement
Akoino--Kinase thermal area, Akita Prefecture, 1754

Down the cold of winter affects the thermal intensity of the hot springs in Yellowstone Park, 469

Field instrument for measuring temperatures of natural boiling points, 1719

Flow temperature at Mogawa Hot Springs Area, Yamanaka prefecture, 1254

Geophysical indicators of subsurface temperature, Part 3. Estimation of temperature and fraction of hot water mixed with cold water, 2605

Geophysical studies on thermal waters by the vertical electrical sounding method, 1808

Geothermal investigations in Idaho: Geochemistry and geologic setting of selected thermal waters, 2605

Geysers, sulfur springs and springs of the range of San Andres, Michoacan, 1172

Hydrogeological and geothermal conditions of the area in Japan, 1852

Indian Hot Springs, Graham County, Arizona, 784

Interpretation of geothermal data using the southern Aral basin area as an example, 2090

Is Boise (Idaho) sitting on a volcano? (Two wells near Boise yield 179° water), 866

Major thermal springs of Utah, 899

Mineral water considered in relation to their chemistry and geochronology, 2414

Old volcano in southeastern Kamchatka with recent hydrothermal manifestations, 1253

Practical geothermal investigations in Hungary, 1724

Probable thermal source of the hot springs in Notsukikhe Prefecture, Japan, 2356

Prospecting by the geothermic method, 2139

Report on the nature of subterranean heat at Beppu, 1770

Thermal and mineral springs of South Viet Nam, 1469

Underground temperatures in hydrothermal areas in Iceland as deduced from the silica content of the thermal water, 3323

Underground waters at the present time: Their regime, temperature, and composition from the viewpoint of the role they play in the economy of the Earth's crust, 1592

Underground water in East Cripple, 1384

When should spring waters be measured, 633

Yellowstone National Park, Wyoming, 793

Thermal conductivity of water/steam, 3436

Thermal Water/Thermodynamic Properties
Description of hydrothermal quartz and calcite, 3542

Energy of thermal water, 3813

High temperature water systems, 3328

Procedural instructions for the study of thermal waters in wells, 1612

Study of mineral waters of Bogask Sletina, 2308

System water-sodium oxide-silicon dioxide at 200, 250, and 300°, 3608

Thermal regime of underground water, 1699

Thermal Water/Transport
Changes of chemical components in thermal-spring water during transportation through pipelines, 2077

New supply systems of thermal waters to a wide area in Japan, 3172

Thermal Waters/Thermodynamics
Boise unique hot water system (170°F thermal water), 3323

Chemical characteristics of water in oil well No. 9, 2550

Contributions to the thermodynamic analysis on the heat source of Obama hot springs in the vicinity of the area, 1126

Exploitation of geothermal water, 522

Ground waters - vast source of thermal energy, 488

Hot springs on Iceland and their use: An account of travel (Special reference to Reykjavik region), 1633

Occurrence and utilization of thermal waters in Poland, 541

Prospects of utilization of thermal waters (the IAEG international conferences), 2407

Some aspects of the formation of thermal waters and their utilization, 2605

Some methods of dealing with low-enthalpy springs in the Kotoros area of New Zealand, 3345

Subsurface heat of the Earth region: The problem of utilization of natural hot waters, 1149

Theoretical problems connected with the use of thermal waters in the Terske Sunchensk region, 476

Thermal waters of the USSR and problems of their use as thermal energy, 470

Thermal Waters/Thermometers
Thermal waters of central and eastern Caucasus, 467

Underground water as a source of thermal energy, 451

Utilization of geothermal waters for heat supply, 3337

Varieties of deep thermal waters manifested in the course of exploratory drilling for oil and gas, 1327

Thermodynamics/Calibration
Thermistor thermometer for field studies, 1790

Thermodynamics/Design
Designing logging instruments for semiconducting temperature logging, 1984

Thermodynamics/Performance
Prospecting by the geothermic method, 2087

Stability of thermistors, 3447

Thermodynamic Cycles
See also Binary Cycles
Thermodynamic Cycles/Efficiency
From power plant with heat supply at the expense of cooling of a source, 3087

Thermodynamic power cycle for recovery of geothermal energy, 3071

Thermodynamics
Physical science of heat, Part 1, 3397

Thermometers
See also Geothermometers
Apparatus for the measurement of temperatures in deep wells by means of maximum thermometers, 1668

Features of thermal investigations in wells, 1660

Geothermograph for a well with elevated temperature, 1825

Temperature bomb (Design and performance of fluid-expansion type well thermometers), 1699

Upkar Counties, 1666

Thermometers/Accuracy
Borehole thermometer, 1927

Geothermal gradients now known in greater detail, 1783

Temperature errors introduced by temperature-measuring probes, 2034

Thermometers/Calibration
Thermistor thermometer for field studies, 1790

Thermometers/Cost
Temperature measurements with an electrical resistance thermometer in a deep borehole on the East Rand, 1698

Borehole thermometer measuring equipment and the geothermal flux in Tasmania, 2675

Borehole thermometer, 1927

Electronic thermometer with a single core cable, 1665

Field instrument for measuring temperatures of natural boiling points, 1719

Geothermal prospecting in shallow holes and its limitations, 2743

Improved electronic thermometer for deep measurements, 1725

Instrument for measuring vertical temperature profiles in small boreholes, 2605

Instrument technology of geothermal measurements and the new Czechoslovakian geothermometer ST-1, 3619

Lead-compensated thermistor probe, 1822

Maximum- and minimum-thermometer for use at great depth, 1710

Methods for the measurement of temperature and heat flow in soil, 1873

New borehole thermometer, 1770

New borehole thermometer, 1879

Note concerning the taking of measurements of temperature in boreholes, 1669

Portable instrument for determining soil temperatures at various depths, 1791

Prospecting by the geothermic method, 2139

Resistance thermometer with the single-core cable, 1716

TCS-2 electronic borehole thermometer, 1868

Thermometers/Performance
Deep-earth temperatures in the United States, 1667

Measurement of temperature in boreholes, 1670

Measurement of temperature in boreholes, 3365

New borehole thermometer, 1789

Prospecting by the geothermic method, 2087

Temperature measurements with an electrical resistance thermometer in a deep borehole on the East Rand, 1698

Temperature measurements in a mine on the Witwatersrand with an electrical resistance thermometer, 1790

Thermometers/Performance Testing
Comparison of the results of measurement by electrical and maximum thermometers, 1812

Thermometers/Sensitivity
Increasing the sensitivity of a resistance thermometer, 1994

THERMOMETERS/SENSITIVITY

INDEX 156

THERMOMETERS/SENSITIVITY

Increasing the sensitivity of a resistance thermometer, 1994

THERMOMETERS/SPECIFICATIONS

Geothermic measurements in wells, 2658

Precise thermometer thermistor for use in geothermics, 1922

Resistance pyrometer for measuring subsurface temperatures, 2672

Thermoelectric thermometer for measuring at great depths, 3872

THERMOMETERS/WELL LOGGING

Differential method of thermometry in drill holes (differential thermal logging), 2672

THERMOMETERS/WELL LOGGING

For use in cases where certain aspects of either hypothetical or real thermonuclear reactors are discussed.

Assessing advanced methods of generation, 2987

THERMOMETERS/WELL LOGGING

Volcanic gases in Japan, 2396

TORCH/ISOPTIC IRAK

Disinfection on the U-238 series in recent volcanic rocks, 2570

TIDE/SPRINGS

Lhasa sheet, 1026

Taungpo sheet, 1034

TIDE/SPRINGS

Land, sea, and air. Survey of some auxillary sources of energy for electricity generation (Includes geothermal heat, tidal, wave power, and solar power), 18

TIDE/SPRINGS

New sources of energy and economic development: new energy, wind energy, tidal energy, solar energy, and thermal energy of the seas (Monograph), 4

TIDE/SPRINGS

Alternative energy sources: a research challenge, 3 (CONF-7609-1)

TITANIUM/ABUNDANCE

Magnetic telechonometry of oceanic crust, 2225

TITANIUM/ABUNDANCE

See also ILMENITE

TITANIUM OXIDE/PHASE STUDIES

Phase relations of titanate-oxide in the system sodium oxide-iron(II)oxide-alumina oxide-titanium dioxide-silicon dioxide at 1000 bars total pressure, 311

TITANIUM SILICATES/SYNTHESIS

Composition and structure of recent hydrothermal green minerals in the Goryachii Plyazh deposit, Kunashir Island, 1513

Hydrothermal ore deposits. Typomorphic minerals of recent hydrothermal systems, 3806

TOWN GAS/PRODUCTION

Annual review of fuels for 1972. Research on gasification of coal and hydrocarbon (Review with 90 references), 333

TRANSUDERS/DESIGN

Heat flow transducer for thermal surveys, 2260

TRANSDUCER/GEOPHYSICAL SURVEYS

Measurement of borehole temperatures and the effect of geological structure in the Enkendorf and Orensate state areas, 2671

TRANSVAAL/PETROLOGY

Thermomineral waters of Turkey and the Kizildere geothermal field, in the framework of the Saraykoy-Denizli geothermal area, 2538

Geophysical contributions to the study of geothermal energy in Turkey, 2133

Menderes massif geothermal province, 553

TURBINES/GEOTHERMAL FIELDS

Contribution of geophysics to study of a geothermal region of Denizli—Saraykoy, Turkey, 2161

Geochemistry of the Kizildere geothermal field, in the framework of the Saraykoy-Denizli geothermal area, 2538

Menderes massif geothermal province, 553

TURBINES/GEOTHERMAL FIELDS

Proceedings of the NATO-CCMS information meeting on dry hot rock geothermal energy, September 17-19, 1974, Los Alamos, New Mexico, 154 (LR-5818-C)

Thermomineral waters of Turkey, 1405

Thermomineral springs of Turkey and the study of geothermal energy, 3872

Thermomineral waters of Turkey, 1405

TURKEY/GEOTHERMAL WELLS

Geothermal drilling and preliminary test operations at Kizildere, Turkey, 3155

TURKEY/HOT SPRINGS

Composition of ammonium (minerals) in the geothermal zone, 2598

Report on the present state of our knowledge with respect to mineral and thermal waters, 1004

Thermal mineral springs of Turkey and a study of geothermal energy, 1372

Thermomineral waters of Turkey, 1405

Turkish mineral waters and thermal springs, 3141

Turkish thermal mineral waters and thermal springs, 3145

Turkish thermal mineral waters and thermal springs, 3149

Turkish thermal mineral waters and thermal springs, 3153

Turkish mineral and thermal waters, 2320

TURKEY/THERMAL WATERS

Thermomineral waters of Turkey, 1405

U

UGANDA/GEOTHERMAL ENERGY

Geothermal production of electrical energy and certain minerals, 571

UGANDA/GEOTHERMAL EXPLORATION

Status of Rift Valley studies in Uganda, 1283

UGANDA/GEOTHERMAL RESOURCES

Annual report of the Geological Survey and Mines Department, for the year ended 31st December 1971, 516

Geothermal production of electrical energy and certain minerals, 571

Thermal and mineral springs in Uganda, 567

UGANDA/GRAVITY SURVEYS

Status of Rift Valley studies in Uganda, 1283

UGANDA/HOT SPRINGS

Thermal and mineral springs in Uganda, 567

Thermal and mineral springs in Uganda, 1457

UGANDA/MINERAL SPRINGS

Thermal and mineral springs in Uganda, 1457

UGANDA/SECTIONS

Status of Rift Valley studies in Uganda, 1283

UGANDA/WATER RESOURCES

Geophysics in the exploration, exploitation, and conservation of water, 1705

UKRAINIAN SSR/BOROHADIS
<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geothermal investigations in the southern and southwestern areas of the Ukrainian SSR (the Crimean and Soviet Eastern Carpathians), 1352</td>
<td></td>
</tr>
<tr>
<td>UKRAINIAN SSR/GEOLeGIC FAULTS</td>
<td></td>
</tr>
<tr>
<td>Investigation of heat flow anomalies in some regions of the Ukraine, 2187</td>
<td></td>
</tr>
<tr>
<td>UKRAINE'S SS/HEAT FLOW FLOW in the Ukrainian shield in relation to recent tectonic movements, discussion, 1278</td>
<td></td>
</tr>
<tr>
<td>UNDERGROUND EXPLOSIONS See also NUCLEAR EXPLOSIONS</td>
<td></td>
</tr>
<tr>
<td>UNDERGROUND EXPLOSIONS/ENVIRONMENTAL EFFECTS</td>
<td></td>
</tr>
<tr>
<td>Investigation of water in rocks on effects of underground nuclear explosions, 3297</td>
<td></td>
</tr>
<tr>
<td>UNITED KINGDOM/HOT SPRINGS</td>
<td></td>
</tr>
<tr>
<td>Mineral and thermal waters of the United Kingdom, 1445</td>
<td></td>
</tr>
<tr>
<td>Report on the present state of our knowledge with respect to mineral and thermal waters, 1004</td>
<td></td>
</tr>
<tr>
<td>UNITED KINGDOM/MINERAL SPRINGS</td>
<td></td>
</tr>
<tr>
<td>Mineral and thermal waters of the United Kingdom, 1445</td>
<td></td>
</tr>
<tr>
<td>URALS/GEOTHERMAL EXPLORATION</td>
<td></td>
</tr>
<tr>
<td>Hydrothermal conditions of the Urals, 1367</td>
<td></td>
</tr>
<tr>
<td>URALS/GEOTHERMAL FIELDS Main geothermal features of the Urals and adjacent territories, 1969</td>
<td></td>
</tr>
<tr>
<td>URANIUM/GEOCHEMISTRY Probable hydrothermal origin of an actual uranium localization in the southern Vosges, 2340</td>
<td></td>
</tr>
<tr>
<td>URANIUM 236/ISOTYPE RATIO Dibenzon on the U-236 series in recent volcanic rocks, 2570</td>
<td></td>
</tr>
<tr>
<td>US ORGANIZATIONS/RESEARCH PROGRAMS</td>
<td></td>
</tr>
<tr>
<td>US Geological Survey research in geothermal resources, 318</td>
<td></td>
</tr>
<tr>
<td>USA</td>
<td></td>
</tr>
<tr>
<td>See also ALASKA</td>
<td></td>
</tr>
<tr>
<td>ARIZONA</td>
<td></td>
</tr>
<tr>
<td>ARKANSAS</td>
<td></td>
</tr>
<tr>
<td>CALIFORNIA</td>
<td></td>
</tr>
<tr>
<td>COLORADO</td>
<td></td>
</tr>
<tr>
<td>FLORIDA</td>
<td></td>
</tr>
<tr>
<td>HAWAII</td>
<td></td>
</tr>
<tr>
<td>IDAHO</td>
<td></td>
</tr>
<tr>
<td>LOUISIANA</td>
<td></td>
</tr>
<tr>
<td>MONTANA</td>
<td></td>
</tr>
<tr>
<td>NEVADA</td>
<td></td>
</tr>
<tr>
<td>NEW MEXICO</td>
<td></td>
</tr>
<tr>
<td>NORTH DAKOTA</td>
<td></td>
</tr>
<tr>
<td>OKLAHOMA</td>
<td></td>
</tr>
<tr>
<td>OREGON</td>
<td></td>
</tr>
<tr>
<td>PUERTO RICO</td>
<td></td>
</tr>
<tr>
<td>SOUTH DAKOTA</td>
<td></td>
</tr>
<tr>
<td>TEXAS</td>
<td></td>
</tr>
<tr>
<td>UTAH</td>
<td></td>
</tr>
<tr>
<td>WASHINGTON</td>
<td></td>
</tr>
<tr>
<td>WYOMING</td>
<td></td>
</tr>
<tr>
<td>USA/BUREAU OF MINERALS</td>
<td></td>
</tr>
<tr>
<td>Preliminary list of deep borings in the United States, 2654</td>
<td></td>
</tr>
<tr>
<td>USA/ENGINES</td>
<td></td>
</tr>
<tr>
<td>Contemporary tectonics and seismicity of the intermountain west, 928</td>
<td></td>
</tr>
<tr>
<td>USA/ENERGY DEMAND</td>
<td></td>
</tr>
<tr>
<td>Luncheon Session, Thursday, 10 May 1973, 358</td>
<td></td>
</tr>
<tr>
<td>US energy dilemma: gap between today's requirements and tomorrow's potential, 108</td>
<td></td>
</tr>
<tr>
<td>USA/ENERGY POLICY</td>
<td></td>
</tr>
<tr>
<td>Afternoon General Session, Friday, 11 May 1973, 360</td>
<td></td>
</tr>
<tr>
<td>Dinner Session, Thursday, 10 May 1973, 356</td>
<td></td>
</tr>
<tr>
<td>Energy available - expanding supplies, 332</td>
<td></td>
</tr>
<tr>
<td>Geothermal energy resources and research, 332</td>
<td></td>
</tr>
<tr>
<td>Hearings before the Committee on Interior and Insular Affairs, United States Senate, pursuant to S. Res. 45, a national fuels and energy policy study, Nineteenth Congress, Second Session on the role of geothermal energy resources in our nation's future energy economy, and 22, 1972, 2584</td>
<td></td>
</tr>
<tr>
<td>USA/ENERGY SHORTAGES</td>
<td></td>
</tr>
<tr>
<td>Energy crisis: we are running out (Includes LASL hot-dry-rock project), 324</td>
<td></td>
</tr>
<tr>
<td>Energy shortage stimulates geothermal exploration, 371</td>
<td></td>
</tr>
<tr>
<td>USA/ENERGY SOURCES</td>
<td></td>
</tr>
<tr>
<td>Alternative sources of energy, 153 (CONF-720965-1)</td>
<td></td>
</tr>
<tr>
<td>Energy resources of the United States (1200 thermal localities, 100</td>
<td></td>
</tr>
<tr>
<td>hyperthermal), 250</td>
<td></td>
</tr>
<tr>
<td>Geothermal exploration on public lands: when and under what conditions, 2810</td>
<td></td>
</tr>
<tr>
<td>Geothermal research in the US Geological Survey, 336</td>
<td></td>
</tr>
<tr>
<td>Geothermal exploration in the western United States (1200 thermal localities, 100 hyperthermal), 250</td>
<td></td>
</tr>
<tr>
<td>Geothermal activity in 1973, 1648</td>
<td></td>
</tr>
<tr>
<td>USA/GEOTHERMAL ENERGY</td>
<td></td>
</tr>
<tr>
<td>Energy options: challenge for the future, 365</td>
<td></td>
</tr>
<tr>
<td>Future trends in energy supply, 399</td>
<td></td>
</tr>
<tr>
<td>US energy dilemma: gap between today's requirements and tomorrow's potential, 108</td>
<td></td>
</tr>
<tr>
<td>USA/GEOLeGIC FAULTS</td>
<td></td>
</tr>
<tr>
<td>Rift system of the western United States, 843</td>
<td></td>
</tr>
<tr>
<td>USA/GEOLOGICAL SURVEYS</td>
<td></td>
</tr>
<tr>
<td>Geothermal Survey Research 1979, Chapter A, 3731</td>
<td></td>
</tr>
<tr>
<td>USA/GEOLoGY</td>
<td></td>
</tr>
<tr>
<td>USA/GEOPHYSICAL SURVEYS</td>
<td></td>
</tr>
<tr>
<td>Depth and rock temperatures, 61</td>
<td></td>
</tr>
<tr>
<td>USA/GEOTHERMAL ENERGY</td>
<td></td>
</tr>
<tr>
<td>Economics of geothermal power in the United States, 2851</td>
<td></td>
</tr>
<tr>
<td>Emerging geothermal power sources, 271</td>
<td></td>
</tr>
<tr>
<td>Energy available - expanding supplies, 332</td>
<td></td>
</tr>
<tr>
<td>Energy resources and electric power situation in the United States, 323</td>
<td></td>
</tr>
<tr>
<td>Federal government leasing and operating regulations and environmental impact statements, 2795</td>
<td></td>
</tr>
<tr>
<td>First Northwest Conference on Geothermal Power, 268</td>
<td></td>
</tr>
<tr>
<td>Future energy outlook, 350</td>
<td></td>
</tr>
<tr>
<td>Geothermal energy, Hearings before the subcommittee on energy of the Committee on Science and Astronautics, United States House of Representatives, Nineteenth Congress, First Session on H.R. 8628, H.R. 9658, September 11, 13, and 16, 1973, 2807</td>
<td></td>
</tr>
<tr>
<td>Geothermal research in the US Geological Survey, 335</td>
<td></td>
</tr>
<tr>
<td>Geothermal power - economic evaluation, 2840 (BM-1C-8239)</td>
<td></td>
</tr>
<tr>
<td>Geothermal energy and the energy crisis: banquet speech, 476</td>
<td></td>
</tr>
<tr>
<td>Geothermal energy: national proposal for geothermal Resources Research, 303</td>
<td></td>
</tr>
<tr>
<td>Geothermal power in the southwest, 310</td>
<td></td>
</tr>
<tr>
<td>Geothermal heat up, 344</td>
<td></td>
</tr>
<tr>
<td>Geothermal energy and western utilities, 396</td>
<td></td>
</tr>
<tr>
<td>Geothermal resources research and technology, 403</td>
<td></td>
</tr>
<tr>
<td>Geothermal activity in 1973, 1648</td>
<td></td>
</tr>
<tr>
<td>Law needed for geothermal energy, 2834</td>
<td></td>
</tr>
<tr>
<td>Overview of geothermal energy developments, 382</td>
<td></td>
</tr>
<tr>
<td>Potential for energy production from geothermal resources. Report of the Subcommittee on Water and Power Resources, Committee on Interior and Insular Affairs, Nineteenth Congress, First Session, December 1973, 2866</td>
<td></td>
</tr>
<tr>
<td>Power generation options for the eighties and nineties, 325</td>
<td></td>
</tr>
<tr>
<td>President's message on supply of energy and clean air, also fact sheet from Office of the White House Press Secretary, 278</td>
<td></td>
</tr>
<tr>
<td>Review of some of the legal problems in geothermal development, 2794</td>
<td></td>
</tr>
<tr>
<td>Search for tomorrow's power, 345</td>
<td></td>
</tr>
<tr>
<td>United States geothermal legislation and environmental impact for leasing, 2795</td>
<td></td>
</tr>
<tr>
<td>Utilization of geothermal energy resources, 346</td>
<td></td>
</tr>
<tr>
<td>USA/GEOTHERMAL EXPLORATION</td>
<td></td>
</tr>
<tr>
<td>Discovery and possible utilization of thermal waters in the pliocene of the central depression in the Danube Basin, 299</td>
<td></td>
</tr>
<tr>
<td>Economic considerations for geothermal exploration in the western United States, 2567</td>
<td></td>
</tr>
<tr>
<td>Energy shortage stimulates geothermal exploration, 371</td>
<td></td>
</tr>
<tr>
<td>Exploration and exploitation of geothermal resources in arid and semiarid lands, a literature review and selected bibliography, 1602 (PB-218530)</td>
<td></td>
</tr>
<tr>
<td>First Northwest Conference on Geothermal Power, 268</td>
<td></td>
</tr>
<tr>
<td>Flow chart of critical path in geothermal exploration, 2813</td>
<td></td>
</tr>
<tr>
<td>Geothermal exploration in the western United States (1200 thermal localities, 100 hyperthermal), 250</td>
<td></td>
</tr>
<tr>
<td>Geothermal exploration on public lands: when and under what conditions, 2810</td>
<td></td>
</tr>
<tr>
<td>Geothermal research in the US Geological Survey, 336</td>
<td></td>
</tr>
<tr>
<td>Geothermal exploration in the western United States, 250</td>
<td></td>
</tr>
<tr>
<td>Geothermal energy. Final report, 166 (PB-222326)</td>
<td></td>
</tr>
<tr>
<td>Geothermal research in the US Geological Survey, 369</td>
<td></td>
</tr>
<tr>
<td>Geothermal activity in 1973, 1648</td>
<td></td>
</tr>
<tr>
<td>Natural steam exploration in USA, 203</td>
<td></td>
</tr>
<tr>
<td>Spectral variability in seismic noise measurements and implications for geothermal exploration, 2104</td>
<td></td>
</tr>
<tr>
<td>USA/GEOTHERMAL FIELDS</td>
<td></td>
</tr>
<tr>
<td>Comments on draft environmental impact statement for the federal geothermal leasing program, 2796</td>
<td></td>
</tr>
<tr>
<td>Geothermal steam leasing; hearings before Subcommittee on Minerals, Materials and Fuels</td>
<td></td>
</tr>
<tr>
<td>159 INDEX USSR/GEOPHYSICAL SURVEYS</td>
<td></td>
</tr>
<tr>
<td>-------------------------------------</td>
<td></td>
</tr>
<tr>
<td>2711 USSR/URALINES</td>
<td></td>
</tr>
<tr>
<td>Forms of lead migration in Cheleken thermal brines under pluton conditions, 1526</td>
<td></td>
</tr>
<tr>
<td>Review of knowledge of metalliferous brines and related deposits, 2564</td>
<td></td>
</tr>
<tr>
<td>USSR/LAAMBOUQUES</td>
<td></td>
</tr>
<tr>
<td>Elastic wave velocities in the Kamchatka focal zone, 2196</td>
<td></td>
</tr>
<tr>
<td>USSR/ELECTRICAL SURVEYS</td>
<td></td>
</tr>
<tr>
<td>Electrical prospecting methods for studying thermal waters, 2093</td>
<td></td>
</tr>
<tr>
<td>USSR/ELECTROMAGNETIC SURVEYS</td>
<td></td>
</tr>
<tr>
<td>Investigation of deep electrical conductivity (Magnetoelluric methods), 2113</td>
<td></td>
</tr>
<tr>
<td>Problems of compiling maps of the depth of the top of the intermediate conducting layer in Eastern Georgia (Magnetoelluric sounding), 2114</td>
<td></td>
</tr>
<tr>
<td>USSR/FUMARICLES</td>
<td></td>
</tr>
<tr>
<td>Hydrothermal activity in the Kam'chatsk Range area in southern Kamchatka, 1139</td>
<td></td>
</tr>
<tr>
<td>Old volcano in southeastern Kamchatka with recent hydrothermal manifestations, 1253</td>
<td></td>
</tr>
<tr>
<td>USSR/FLUMARICL FLUIDS</td>
<td></td>
</tr>
<tr>
<td>Mercury in recent hydrothermal waters, 2574</td>
<td></td>
</tr>
<tr>
<td>Products of the decay of uranium and thorium in the active volcanism of the USSR, 2525</td>
<td></td>
</tr>
<tr>
<td>USSR/GEOLOGIC DEPOSITS</td>
<td></td>
</tr>
<tr>
<td>Characteristics of the temperature field of salt deposits of the Caspian depression, 2736</td>
<td></td>
</tr>
<tr>
<td>Determining the amount of deep heat flow in several parts of the Apsheron oil and gas region, 2123</td>
<td></td>
</tr>
<tr>
<td>Geothermy of the Kurovskoy deposit, 2041</td>
<td></td>
</tr>
<tr>
<td>Neotectonics of Kamchatka and their role in the formation of geothermal deposits (Late Cenozoic volcanism), 1387</td>
<td></td>
</tr>
<tr>
<td>USSR/GEOLOGIC FAULTS</td>
<td></td>
</tr>
<tr>
<td>Some features of the tectonics of the Solikamsk basin according to data of geophysical and paleontological investigations, 1436</td>
<td></td>
</tr>
<tr>
<td>USSR/GEOLOGIC STRATA</td>
<td></td>
</tr>
<tr>
<td>Relation of thermal field of West Siberian lowland to topography of pre-Jurassic basement, 1176</td>
<td></td>
</tr>
<tr>
<td>USSR/GEOSIOLOGY</td>
<td></td>
</tr>
<tr>
<td>Crustal thickness in Kamchatka, 1060</td>
<td></td>
</tr>
<tr>
<td>Forecasts of temperature in interior parts of earth, 1897</td>
<td></td>
</tr>
<tr>
<td>Geothermal characteristics of the mesozoic-cenozoic section and paleogeanothermal conditions of the Caucasus foreland, 1364</td>
<td></td>
</tr>
<tr>
<td>Role of relationships of transverse and linear structures in the geothermal regime of the Caucasus region, 1983</td>
<td></td>
</tr>
<tr>
<td>Structural localization of Quaternary volcanoes in South Kamchatka, 1533</td>
<td></td>
</tr>
<tr>
<td>USA/GEOPHYSICAL SURVEYS</td>
<td></td>
</tr>
<tr>
<td>Attempt to determine heat flow using shallow boreholes, 2026</td>
<td></td>
</tr>
<tr>
<td>Dependence of heat conductivity of the clastic rocks of the West Siberian Lowland on other physical parameters, 2081</td>
<td></td>
</tr>
<tr>
<td>Dependence of temperature on the surface of the Earth on the altitude of the observation point, 2135</td>
<td></td>
</tr>
<tr>
<td>Extrapolation of temperatures at depth in the southern Caspian tectonic depression, 1899</td>
<td></td>
</tr>
<tr>
<td>Geothermal measurements in the boreholes of the Donuz Basin, 1679</td>
<td></td>
</tr>
<tr>
<td>Geothermal investigations in Siberia (Geothermal gradients), 1749</td>
<td></td>
</tr>
<tr>
<td>Geothermal features of petroleum and natural gas deposits in Caucasus, 1196</td>
<td></td>
</tr>
<tr>
<td>Geothermal characteristics of the mesozoic-cenozoic section and paleogeanothermal conditions of the Caucasus foreland, 1304</td>
<td></td>
</tr>
<tr>
<td>Geothermal characteristics of the EMBA region, 1857</td>
<td></td>
</tr>
<tr>
<td>Geothermal properties of sedimentary deposits in the Saratov area of the Volga region, 2152</td>
<td></td>
</tr>
<tr>
<td>Geothermy of the Kyurudag deposits, 2041</td>
<td></td>
</tr>
<tr>
<td>Heat flow at depth in the Kolkhida Plain, 1207</td>
<td></td>
</tr>
<tr>
<td>Present state, problems, and prospects of geophysical investigations in Siberia and the far east, 1793</td>
<td></td>
</tr>
<tr>
<td>Report on geophysical logging investigations carried out in deep and ultradeep boreholes in the Oreny district, 1398</td>
<td></td>
</tr>
<tr>
<td>Results of geothermal investigations on the Kuban, 1378</td>
<td></td>
</tr>
<tr>
<td>Role of relationships of transverse and linear structures in the geothermal regime of the Caucasus region, 1363</td>
<td></td>
</tr>
<tr>
<td>Temperature conditions of the mesozoic formations of the north Caucasus and Circassia, 1244</td>
<td></td>
</tr>
<tr>
<td>Thermal behavior of Mesozoic and Cenozoic sediments in eastern part of west-Siberian plains, 1766</td>
<td></td>
</tr>
<tr>
<td>USA/GEOPHYSICAL SURVEYS</td>
<td></td>
</tr>
</tbody>
</table>

Mercury and antimony deposits associated with active hot springs in the western United States, 860
Mineral waters of the United States, 781
Potential applications of nuclear explosives to the recovery of geothermal energy, 3093
Potential applications of nuclear explosives to the recovery of geothermal energy. Progress report for fiscal year 1965, 3287 (USGS-289-1)
Thermal springs of the United States and other countries of the world — a summary, 682
Thermal springs, 946
Thermal springs in the United States, 791
Water analyses from the laboratory of the United States Geological Survey, 2596

**USA/HOT-WATER SYSTEMS**
Luncheon Session, Friday, 11 May 1973, 359

**USA/LEGISLATION**
Proposed rule making: geothermal resources — leasing on public, acquired and withdrawn lands; revision of proposed rule, 2815
S. 564, to establish a five-year geothermal leasing program; text; statement, 790
S. Con. Res. 29, to express the sense of Congress that the Bureau of Reclamation should accelerate its investigations of geothermal resources as a potential major new source of water supplies for the western United States; text; statement, 2799
United States geothermal legislation and potential impact for leasing, 2799

**USA/MAGNETIC SURVEYS**
Separation of magnetic variation fields and conductive structures in the western United States, 2096

**USA/MINERAL RESOURCES**
Energy options: challenge for the future, 305
Mineral potential of the submerged parts of the US, 2032
United States mineral resources (Geology, economics, and uses), 340

**USA/MINERAL SPRINGS**
Mineral waters of the United States, 781
Mineral waters of the United States and their therapeutic uses. (With an account of the various mineral spring localities, their advantages and health resorts, means of access, etc. to which is added an index of potable waters), 951

**USA/POWER/NUDNO**
Energy: a crisis in power. San Francisco, Sierra Club, 1971. (Excerpt: Defusing Old Smoky by plugging into nature), 3374
Geothermal energy, 245
Geothermal energy, 259

**USA/POWER/GCOC**
Power generation options for the eighties and nineties, 329

**USA/PUBLIC LANDS**
Geothermal resources — operations on public, acquired and withdrawn lands; notice of proposed rule making, 2815
Proposed rule making: geothermal resources — leasing on public, acquired and withdrawn lands; revision of proposed rule, 2815

**USA/RESEARCH PROGRAMS**
Geothermal research, 2796
S. 564, to establish a five-year geothermal research program; text; statement, 2799

**USA/SOLFIKATARS**
Catalogue of the active volcanoes of the world, including volcanic fields; table of catalogue of the active volcanoes and volcanic fields of the United States of America, 819

**USA/TECTONICS**
Contemporary tectonics and seismicity of the intermountain west, 926

**USA/TECTONICS**
Geothermal characteristics of the mesozoic-cenozoic section and paleogeanothermal conditions of the Caucasus foreland, 1364
Role of relationships of transverse and linear structures in the geothermal regime of the Caucasus region, 1983
Structural localization of Quaternary volcanoes in South Kamchatka, 1533

**USA/GEOPHYSICAL SURVEYS**
Attempt to determine heat flow using shallow boreholes, 2026
Dependence of heat conductivity of the clastic rocks of the West Siberian Lowland on other physical parameters, 2081
Dependence of temperature on the surface of the Earth on the altitude of the observation point, 2135
Extrapolation of temperatures at depth in the southern Caspian tectonic depression, 1899
Geothermal measurements in the boreholes of the Donuz Basin, 1679
Geothermal investigations in Siberia (Geothermal gradients), 1749
Geothermal features of petroleum and natural gas deposits in Caucasus, 1196
Geothermal characteristics of the mesozoic-cenozoic section and paleogeanothermal conditions of the Caucasus foreland, 1304
Geothermal characteristics of the EMBA region, 1857
Geothermal properties of sedimentary deposits in the Saratov area of the Volga region, 2152
Geothermy of the Kyurudag deposits, 2041
Heat flow at depth in the Kolkhida Plain, 1207
Present state, problems, and prospects of geophysical investigations in Siberia and the far east, 1793
Report on geophysical logging investigations carried out in deep and ultradeep boreholes in the Oreny district, 1398
Results of geothermal investigations on the Kuban, 1378
Role of relationships of transverse and linear structures in the geothermal regime of the Caucasus region, 1363
Temperature conditions of the mesozoic formations of the north Caucasus and Circassia, 1244
Thermal behavior of Mesozoic and Cenozoic sediments in eastern part of west-Siberian plains, 1766

**USA/GEOPHYSICAL SURVEYS**
Geothermal regime of some thermal fields of Darvin zone, 1373
Geothermal characteristics of the Crimean Peninsula and some areas of the East Carpathians, 2003
Geothermal properties of sedimentary deposits in the Saratov area of the Volga region, 1522
On the temperature conditions of the Kyzyl-Alma structure, 1355
Relation of the test field of the western Siberian lowland to the relief of the pre-Jurassic basement, 1779
Some new data on geothermal characteristics and thermal physical properties of Precambrian to Paleozoic and Mesozoic-Cenozoic sediments of greater Caucasus and Cis-Caucasia, 1289
Thermal waters of central and eastern Cis-Caucasia, 467

Hydrogeology of the USSR. Volume 29, Kamchatka, and the Kurile and Komandorskiye Islands, 1543
Hydrothermal activity in the Khibiny Range area in southern Kamchatka, 1139
Main geothermal features of the Urals and adjacent territories, 1360
Nature of the geothermal field near Avacha Volcano (Kamchatka), 1237
Problem of the effect of the hydrogeologic factor on the geothermal field in the conditions of the eastern part of the Russian platform, 1371
Prospection of geothermal fields and investigations necessary to evaluate their capacity, 45
Relation of thermal field of West Siberian lowland to topography of pre-Jurassic basement, 1176
Results of geothermal investigations on the Kuban, 1378
Role of regional basement faults in forming geothermal field of young platforms, 1577
Role of regional basement faults in forming geothermal field of young platforms, 1581
Steam hydrothermal wells of hot beach (new data from the results of drilling operations in 1966) (Kunashir Island), 2717
Thermal underground waters of the Kamchatka and the role of recent tectonics and volcanism in their dynamics, 1151

USER/GEOTHERMAL RESOURCES
Abnormal distribution of heat in the Dnieper—Donets basin, 1046
Basic difference in underground temperature conditions in European part and adjacent regions of Asiatic Soviet Union, 1251
Deep geothermal conditions basin, 1057
Effect of folded basement on thermal state of Mesozoic and Cenozoic deposits of western Siberian lowland, 1777
Forecasts of temperature in interior parts of earth, 1807
Geothermal measurements, 1680
Geothermal anomalies in the Donets Basin, 1110
Geothermal conditions and thermal waters of the Dnieper—Donets basin, 1370
Geothermal conditions in southeastern part of Dnieper—Donets depression, 1951
Geology of Lake Baikal region, 1516
Heat at depth in the Earth, 599
Hydrogeothermal investigations in hope for thermal waters (Kurile—Kamchatka region), 2690
Hydrogeothermophysical conditions of the Urals, 1357
Hydrothermal waters of Pauzhetka, Kamchatka, as a source of geothermal energy, 484
Main geothermal features of the Urals and adjacent territories, 1388
Masally—Lenkoran—Atbara hydrothermal zone, 1373
New thermal anomaly area in the Fergana depression, 2134
Prospects for thermal water exploration in the Dnieper—Donets region of Ukrainian SSR, 1400
Question of setting up geothermal investigations in Armenia, 1118
Research or prospecting for thermal waters near Petropavlovsk in Kamchatka, 1341
Steam hydrothermal wells of hot beach (new data from the results of drilling operations in 1966) (Kunashir Island), 2717
The thermal and industrial waters of the Soviet Union, 1446
Thermal waters of Siberian platform and its folded-mountains framing, 1491
"USER/GEOTHERMAL FIELDS"
Application of infrared aerial recording techniques to studies of volcanism and thermal activities of Kamchatka peninsula, 1989
Attempt at statistical treatment of the data of geothermal observations in boreholes of the Kirov Rog, 1214
Disturbance effect of gas banks on a geothermal field with a steady flow of subsurface water, 1566
Effects of pre-Paleozoic basement on thermal state of sedimentary rocks in West Siberian Lowland, 1295
Features of the geothermal regime of the Soviet Carpathians, 553
Geophysical structure of the hydrothermal systems of Kamchatka, 1366
Geothermal fields on the USSR territory, 515
Geothermal gradient of platform regions of the north of Siberia, 1385
Geothermal characteristics of Emga region, 1293
Geothermal fields of interformational Kama-Kinel basin, 1797
Geothermal problems in the Caucasus, 1590
Geothermal features of a region of recent volcanism (illustrated by Kamchatka), 1321
Geothermal activity of the earth and distribution of hydrocarbon deposits, 1506
Geothermal characteristics of the Crimean Peninsula and some areas of the East Carpathians, 2003
Geothermal characteristics of the Crimean Peninsula and some areas of the eastern Carpathians, 2006
Geothermal regime of certain tectonic structures, 1235
Geothermic regime of some regions of Georgian Soviet Socialist Republic and its influence on the properties of petroleum, 1545
Geothermy of the fields of Darvin Bay, 1933

Energy of thermal waters, 526
Experimental and industrial applications of geothermal energy in the USSR, 1046
Soviet geothermal electric power engineering—part 2, 2996 (AM-754497)

Hydrogeology of the USSR. Volume 29, Kamchatka, and the Kurile and Komandorskiye Islands, 1543
Hydrothermal activity in the Khibiny Range area in southern Kamchatka, 1139
Main geothermal features of the Urals and adjacent territories, 1360
Nature of the geothermal field near Avacha Volcano (Kamchatka), 1237
Problem of the effect of the hydrogeologic factor on the geothermal field in the conditions of the eastern part of the Russian platform, 1371
Prospection of geothermal fields and investigations necessary to evaluate their capacity, 45
Relation of thermal field of West Siberian lowland to topography of pre-Jurassic basement, 1176
Results of geothermal investigations on the Kuban, 1378
Role of regional basement faults in forming geothermal field of young platforms, 1577
Role of regional basement faults in forming geothermal field of young platforms, 1581
Steam hydrothermal wells of hot beach (new data from the results of drilling operations in 1966) (Kunashir Island), 2717
Thermal underground waters of the Kamchatka and the role of recent tectonics and volcanism in their dynamics, 1151

USER/GEOTHERMAL GRADIENTS
Abnormal distribution of heat in the Dnieper—Donets basin, 1046
Basic difference in underground temperature conditions in European part and adjacent regions of Asiatic Soviet Union, 1251
Deep geothermal conditions basin, 1057
Effect of folded basement on thermal state of Mesozoic and Cenozoic deposits of western Siberian lowland, 1777
Forecasts of temperature in interior parts of earth, 1807
Geothermal measurements, 1680
Geothermal anomalies in the Donets Basin, 1110
Geothermal conditions and thermal waters of the Dnieper—Donets basin, 1370
Geothermal conditions in southeastern part of Dnieper—Donets depression, 1951
Geology of Lake Baikal region, 1516
Heat at depth in the Earth, 599
Hydrogeothermal investigations in hope for thermal waters (Kurile—Kamchatka region), 2690
Hydrogeothermophysical conditions of the Urals, 1357
Hydrothermal waters of Pauzhetka, Kamchatka, as a source of geothermal energy, 484
Main geothermal features of the Urals and adjacent territories, 1388
Masally—Lenkoran—Atbara hydrothermal zone, 1373
New thermal anomaly area in the Fergana depression, 2134
Prospects for thermal water exploration in the Dnieper—Donets region of Ukrainian SSR, 1400
Question of setting up geothermal investigations in Armenia, 1118
Research or prospecting for thermal waters near Petropavlovsk in Kamchatka, 1341
Steam hydrothermal wells of hot beach (new data from the results of drilling operations in 1966) (Kunashir Island), 2717
The thermal and industrial waters of the Soviet Union, 1446
Thermal waters of Siberian platform and its folded-mountains framing, 1491
"USER/GEOTHERMAL FIELDS"
Application of infrared aerial recording techniques to studies of volcanism and thermal activities of Kamchatka peninsula, 1989
Attempt at statistical treatment of the data of geothermal observations in boreholes of the Kirov Rog, 1214
Disturbance effect of gas banks on a geothermal field with a steady flow of subsurface water, 1566
Effects of pre-Paleozoic basement on thermal state of sedimentary rocks in West Siberian Lowland, 1295
Features of the geothermal regime of the Soviet Carpathians, 553
Geophysical structure of the hydrothermal systems of Kamchatka, 1366
Geothermal fields on the USSR territory, 515
Geothermal gradient of platform regions of the north of Siberia, 1385
Geothermal characteristics of Emga region, 1293
Geothermal fields of interformational Kama-Kinel basin, 1797
Geothermal problems in the Caucasus, 1590
Geothermal features of a region of recent volcanism (illustrated by Kamchatka), 1321
Geothermal activity of the earth and distribution of hydrocarbon deposits, 1506
Geothermal characteristics of the Crimean Peninsula and some areas of the East Carpathians, 2003
Geothermal characteristics of the Crimean Peninsula and some areas of the eastern Carpathians, 2006
Geothermal regime of certain tectonic structures, 1235
Geothermic regime of some regions of Georgian Soviet Socialist Republic and its influence on the properties of petroleum, 1545
Geothermy of the fields of Darvin Bay, 1933

Energy of thermal waters, 526
Experimental and industrial applications of geothermal energy in the USSR, 1046
Soviet geothermal electric power engineering—part 2, 2996 (AM-754497)
Chemical composition and ore content of Cheleken hydrothermal waters, 4900
Chemical characteristics of water in oil well No. 9, 2530
Data on the thermal waters of the transcarpathian interior depression, 1893
Development of research studies on mineral and thermal waters in the USSR, 450
Electrical prospecting methods for studying thermal water deposits, 2090
Energy of thermal waters, 526
Estimation of the resources of underground thermal waters of Sakhalin Island and possibilities of using them as a source of heat, 464
Experimental mineralization in holes drilled for thermal waters, 2557
Forms of lead migration in Cheleken thermal brines under pluton conditions, 1922
Geochemistry of germanium in carbonated thermal waters, based on the examples of the greater Caucasus and the Pamirs, 2475
Geochemistry of thermal waters, 2506
Geothermal conditions and thermal waters of central and eastern Ciscaucasia, 1232
Geothermal conditions of the artesian basins of Crimea, 1338
Geothermal features of the meso-cenozoic formations and possibilities of using the thermal waters of the Stavropol territory, 1339
Geothermal conditions and thermal water resources of the Dagestan SSR, 1401
Geothermal conditions and thermal waters, 2579
Geothermal investigations in Kazakhstan and utilization of thermal waters, 2091
Geothermal conditions and thermal waters of the Donoper-Donets basin, 1997
Ground water - source of thermal energy, 1122
Heat of the earth (Surface manifestations and possible uses), 469
High-temperature waters of the southeastern Caspian region and geologic conditions of their formation, 477
Highly thermal waters of the USSR (Book), 1304
Hydrogeologic zonal mapping of thermal subsurface waters in Kamchatka, 1467
Hydrogeologic conditions and thermal waters of the Mittau Intermontane depression, 1182
Hydrogeological and geothermal conditions of the Minusin Intermontane depression, 1182
Hydrogeological conditions of the Okurei deposit of high-thermal radioactive mineral water, 2517
Hydropneumogeneous of mineral waters of Tertiary formations, 1935
Cretaceous deposits of the southwestern maritime belt of the Abkhaz ASSR and prospects for health resort construction, 1932
Hydrogeothermal description of upper cretaceous ground waters in the southeastern part of the Aral region, 1598
Hydrogeothermal description of upper cretaceous ground waters in the southeastern part of the Aral region, 1598
Hydrovolcanism (Relation of thermal waters to the tectonics and salt deposits), 1935
Hygienic features of geothermal waters used as the municipal water supply in Makhechakha, 2014
Interpretation of geothermal data using the southern Aral basin area as an example, 2090
Isotopic composition of sulfur in hydrothermal waters of Kamchatka and Kurile Islands and its genetic significance, 2573
Main problems of the geological organizations with respect to the future study of thermal waters in the USSR, 598
Mapping and exploration of areas with thermal waters and steaming hydrothermal waters, 1258
Mercury in recent hydrothermal waters, 2574
Metal content of the highly mineralized thermal waters of Cheleken, 2463
Nitrogen thermal waters of the USSR (Azotnye Teryy SSR), 1368
Organic materials in the thermal waters of southern Sakhalin, 2498
Problems of the utilization of the thermal waters of the oil and gas fields of the Caucasus, 3332
Problem of using thermal waters in irrigation and natural gas fields of Caucasus, 1290
Prospects of utilization of thermal waters (the Makhechakha conference), 536
Prospects for thermal water exploration in transcarpathian region of Ukrainian SSR, 1460
Radioisotopes in the waters of neovolcanic regions of the Caucasus, 2524
Recent hydrothermal activity in the region of the Karasuky volcano, 1506
Resources of thermal waters in the Ili Basin and prospects of their utilization, 1326
Resources of ground water in Siberia and the Far East, 597
Review of knowledge of metalliferous brines and related deposits, 2564
Role of relationships of transverse and linear structures in the geothermal regime of the Caucasus region, 1363
Solution to certain problems connected with the replenishment of subsurface thermal water
Volcanic regions/geochemistry and geology

Prefecture [1], 1919
Kerch-Taman hydrogeochemical and mud volcano region, 1823
New Zealand volcanology: central volcanic region, 1249
Principles of geology, 3423
Text-book of geology, Volumes 1-2, 3384
Third All-Union Volcanological Conference, 714
Geophysical exploration in the Tatan volcanic region, Taiwan, 546
Geophysical studies for volcanological geohydrology, 1979
Methods of geophysical prospecting of the Water Supply Service in volcanic areas, 1706
Investigation of the Kamchatka volcanoes, 1972
Tremors observed at active volcano, geysers, and geothermal field (Andesites), 1303
Possibility or impossibility of standardizing the observations in volcanological observatories, 1825
Volcanic regions/group subsidence
Possible orogenesis factor, 2681
Tectrestrial heat flow in volcanic areas, 3665
Third All-Union Volcanological Conference, 714
Geophysical studies for volcanological geohydrology, 1979
Kerch-Taman hydrogeochemical and mud volcano regions
Volcanic regions/hydrothermal systems
Hydrothermal process in volcanic areas and its relation to magnetic activity, 687
Hydrothermal process in volcanic regions and its relation to magnetic activity, 697
Hydrothermal processes in volcanic areas and its relation to magnetic activity, 698
Volcanic regions/hot springs
Investigation of the Kamchatka volcanoes, 1972
Volcanic regions/hydrology
Geophysical studies for volcanological geohydrology, 1979
Volcanic regions/Infrared Surveys
Ground and airborne thermal imagery on Italian volcanic areas (Quantitative approach, instruments), 2056
Volcanic regions/mineral springs
Investigation of the Kamchatka volcanoes, 1972
Volcanic regions/petrology
Third All-Union Volcanological Conference, 714
Volcanic regions/distribution
Geothermal ground noise amplitude and frequency spectra in the New Zealand volcanic region, 1923
Volcanic regions/striatigraphy
Kamchatka region, New Zealand, 1512
Volcanic regions/tectonics
Volcanoes of the Kronotsky area in Kamchatka, 4766
Volcanic rocks
Volcanic rocks as geologic guides to geothermal exploration and evaluation (Age, composition and volume), 745
Volcanic rock/age estimation
Transgressive age of late cenozoic silicic volcanic rocks across south-eastern Oregon; implications for geothermal potential, 1979
Volcanic rocks/chemical composition
Serrillium content of volcanic rocks, 2451
Isotope composition of helium in ultrabasic xenoliths from volcanic rocks of Kamchatka, 2239
Lead and strontium isotopes in volcanic rocks from northern Honshu, 3597
Volcanic rocks/geochemistry
Lead isotopic measurements on volcanics and associated galena deposits from the Coromandel-Te Aroha region, New Zealand, 2527
Primary magnetic sulfides in the lavas of Kamchatka and the Kuril Islands, 135
Volcanic rocks/Chemical reactions
Natural hydrothermal systems and experimental hot-water/rock interactions, Pt. 2, 1242
Natural hydrothermal systems and experimental hot-water/rock interactions, Pt. 1, 1242
Volcanic rocks/heat transfer
Air convection within "Montana del Fuego", Lanzarote Island, Canary, Archipelago (390-700ºC, permeable volcanic rock), 1492
Volcanic rocks/hydraulic fracturing
Artificial geothermal reservoirs in hot volcanic rock (Jemez Caldera, New Mexico), 3280 (LA-UR-73-1695)
Volcanic rocks/hydrothermal alteration
Alteration phenomena in the volcanic rocks at the Fumaroles, Volcano Yedakaka, Prefectures Nagano-Gifu, 1173
Alteration of rock by volcanic gas in Japan, 3531
Alteration of effusive rocks during an experiment in geothermal wells, 3566
Composition and structure of recent hydrothermal green minerals in the Goryachii Plyazh deposit, Kunashir Island, 1512
Conditions of recent hydrothermal metasomatism of volcanic rocks, 2401
Disordered hydrothermal albite and its petrologic implication, 970
Volcanic regions/geochemistry and Geology
Effects of temperature in an underground structure altered by hydrothermal conditions, 1369
Geothermal steam for power in New Zealand, 1609
Geophysical studies for volcanological geohydrology, 1979
Hydrothermal alteration of basaltic andesite and other rocks in drill hole GS-6, Steamboat Springs, Nevada, 695
Hydrothermal minerals in Goryachii Plyazh, Kunashir Island, 1512
Hydrothermal alteration of rain productive formation of the steam for power at Matsukawa, Japan, 2613
Hydrothermal argillization of Upper Santonian volcanic rocks and its role in the formation of Seriyukaitonbonites in the American SRP, 7804
Hydrothermal ore formation in relation to data of global and regional geology as illustrated by the Caucasus, 1242
Possible development course of hydrothermal solutions in relation to features of the geological history of the most important complex metal deposits of the northern Caucasus, 3859
Igneous minerals in the hydrothermal alteration products in the Cenic zone, 3710
Metasomatic zoning in some volcanogenic deposits of the Maritime Territory and the Kuril-Kamchatka arcs, 3809
Natural hydrothermal systems and experimental hot-water/rock interactions, Pt. 1, 1342
Natural hydrothermal systems and experimental hot-water/rock interactions, Pt. 2, 1349
Processes of hydrothermal alteration and metallogenesis associated with basaltic rocks of Moldova Noua (Banat), 3769
Question of the hydrothermal metamorphism of rocks in post-volcanic processes at exemplified in Elbeko Volcano (Kurile Islands), 970
Resistivity exploration for altered zone at Utage geothermal area, 1966
Role of ground waters in gas hydrothermal activity of regions of contemporary volcanism, 694
Silice and aluminate deposits of the Uguwu mine, a geothermal consideration on an extinct geothermal area in Japan, 1149
Volcanic hydrothermal areas and the interpretation of thermal water compositions, 2452
Wairakei in Japan (1), 1312
Wairakei in Japan (2), 1313
Volcanic rocks/isotope ratio
Dis-equilibrium on the U-238 series in recent volcanic rocks, 2579
Isotopic composition of lead in volcanic rocks from central Honshu - with regard to basaltic genesis, 2036
Lead isotope measurements on volcanics and associated galena deposits from the Coromandel-Te Aroha region, New Zealand, 2527
Petrogenetic relationships of acid and basic rocks in Iceland: Sr-isotopes and rare-earth elements in late and postglacial volcanics, 2621
Vulcanic rocks/magnetic properties
Petrogenetic relationships of acid and basic rocks in Iceland: Sr-isotopes and rare-earth elements in late and postglacial volcanics, 2621
Vulcanic rocks/Thermal conductivity
Heat conductivity of rocks at high temperatures, 3639
Volcanoes
Catalogue of the active volcanos of the world, including volcanic fields and hydrothermal phenomena of the Yellowstone National Park, 823
Nature's hot water heaters (Popular account), 727
Lavaflows (Book; world distribution, harnessing and utilization of earth's internal heat), 1272
Kamchatka, 2026

Investigation of the Kamchatka volcanoes, 1072
Methods of applications of infrared aerial photographs when studying the volcanoes and their hydrothermal activities of Kamchatka Peninsula, 1948
Old volcano in southeastern Kamchatka with recent hydrothermal manifestations, 1203
Spatial and genetic relation of thermal waters of southeastern Kamchatka with active volcanoes, 1809
Study of the volcanoes of the Kurile-Kamchatka arc (Review of Soviet achievement in volcanology), 523
Thermal power of the interparoxysmal stage of activity of Klyuchevskoy volcano, 1286

WAIOTAPU GEOTHERMAL FIELD

Thermal activity at Waiotapu (Total heat output 4.8 TW, 1958), 1200
WAIOTAPU GEOTHERMAL FIELD/ENERGY YIELD
Survey of surface heat output at Waiotapu, 1226
WAIOTAPU GEOTHERMAL FIELD/GEOCHEMICAL SURVEYS
Chemical investigations at Waiotapu, 2399
Geothermal drillholes - chemical investigations, 1236
Mass spectrometer measurements in the thermal area of New Zealand, carbon isotopic ratios, 2306
In situ chemical investigations at Waiotapu, 2399
WAIOTAPU GEOTHERMAL FIELD/GEOLOGICAL SURVEYS
Survey of surface heat output at Waiotapu, 2912
Investigations for geothermal power at Waiotapu, New Zealand (Deep borehole temperature of 295°C), 1210
WAIOTAPU GEOTHERMAL FIELD/GEOTHERMAL GRADIENTS
Geology and geothermal energy in the Taupo volcanic zone, New Zealand, 1279
WAIOTAPU GEOTHERMAL FIELD/GEOTHERMAL WELLS
Geology and geothermal energy in the Taupo volcanic zone, New Zealand, 1279

WAIOTAPU GEOTHERMAL FIELD/GEOLOGY

Geology and structure of Waiotapu geothermal field, 1218
Soils and geology of some hydrothermal eruptions in the Waiotapu district, 1210
Survey of findings at Waiotapu, 1200
WAIOTAPU GEOTHERMAL FIELD/GEOGRAPHICAL SURVEYS
Geology for geothermal power, 2155
WAIOTAPU GEOTHERMAL FIELD/HYDROLOGY
Geophysical investigations at Waiotapu, 1809
Physical measurements in the Waiotapu area, 1809
Report on volcanology of New Zealand, 1998
WAIOTAPU GEOTHERMAL FIELD/HYDROTHERMAL SYSTEMS
Geothermal investigations at Waiotapu, 1809
Geothermal hot water systems in the Waikato River System, 2912
WAIOTAPU GEOTHERMAL FIELD/HYDROCHEMISTRY
Investigations for geothermal power at Waiotapu, New Zealand (Deep borehole temperature of 295°C), 1210

WAIOTAPU GEOTHERMAL FIELD/HEAT FLOW

Investigations for geothermal power at Waiotapu, New Zealand (Deep borehole temperature of 295°C), 1210

WAIOTAPU GEOTHERMAL FIELD/HOT SPRINGS
Hot springs and hydrothermal eruptions of Waiotapu, 1113

WAIOTAPU GEOTHERMAL FIELD/HOT-WATER SYSTEMS
Investigations for geothermal power at Waiotapu, New Zealand (Deep borehole temperature of 295°C), 1210

WAIOTAPU GEOTHERMAL FIELD/HYDROLOGY

Factors in geothermal investigations at Waiotapu, 1198
Waiotapu hydrology, 1198
WAIOTAPU GEOTHERMAL FIELD/MINERALS
Composition of sphalerites from the Broadlands geothermal field and their significance to exploration of geothermal and geology, 1556
WAIOTAPU GEOTHERMAL FIELD/SOILS
Soils and geology of some hydrothermal eruptions in the Waiotapu district, 1210
WAIOTAPU GEOTHERMAL FIELD/STRATIGRAPHY
Waiotapu hydrology, 1196
WAIOTAPU GEOTHERMAL FIELD/THERMAL WATERS
Survey of findings at Waiotapu, 1200

WAIKAREKI GEOTHERMAL FIELD

New Zealand's challenge to U.S.: Wairakei, 638
WAIKAREKI GEOTHERMAL FIELD/ECONOMICS
Wairakei Power Station, New Zealand: economic factors of development and operation, 2856
WAIKAREKI GEOTHERMAL FIELD/ELECTRICAL SURVEYS

RESISTIVITY SURVEYING IN NEW ZEALAND THERMAL AREAS, 1845
WAIKAREKI GEOTHERMAL FIELD/ENERGY YIELD

Flow sampling and discharge measurement in geothermal bores, 3220
Heat from the Wairakei-Taupo thermal region to calculate geothermal output, 430
Preliminary account of hydrothermal conditions at Wairakei, New Zealand, 1103
WAIKAREKI GEOTHERMAL FIELD/FIELDSPARS

Genesis of hydrothermal potashfeldspar (zoned) in an active geothermal environment at Wairakei, New Zealand, 2556
WAIKAREKI GEOTHERMAL FIELD/FLUID FLOW

Heating of cold-water input at Wairakei in a geothermal field, 1552
WAIKAREKI GEOTHERMAL FIELD/FUMAROLIC FLUIDS

Chemical nature of fumarolic gases of volcano Showashinzan, Hokkaido, Japan, 2336
WAIKAREKI GEOTHERMAL FIELD/GEOCHEMICAL SURVEYS

Chemical investigations, 2335
Chemical prospecting of hot spring areas for utilization of geothermal systems, 2337
Geothermal drillholes - chemical investigations, 1228
Interpretation of gas compositions from the Wairakei field over 10 years, 3249
Isotope geochemistry of carbon and rare gases in the hydrothermal areas of New Zealand, 2429
Mass spectrometer measurements in the thermal area of New Zealand, carbon isotopic ratios, 2388
Recent sulphur isotope measurements on a variety of specimens examined in New Zealand, 2432
Report on volcanology of New Zealand, 1098
WAIKAREKI GEOTHERMAL FIELD/GEOTHERMAL ECONOMICS

Electric power generation from geothermal steam at Wairakei, New Zealand, 1144
Geothermal structure of hydrothermal fields in the Taupo volcanic zone, New Zealand, 1279
Geology, structure, and exploitation of the Wairakei geothermal field, Taupo, New Zealand, 1266
Geothermal energy, 1064
Report on volcanology of New Zealand, 1098
WAIKAREKI GEOTHERMAL FIELD/GEOTHERMAL EXPLORATION

Recent geophysical investigations relating to the geothermal potential of Wairakei Taupo area, 1144
WAIKAREKI GEOTHERMAL FIELD/GEOTHERMAL GRADIENTS

Net mass loss from the Wairakei geothermal field, 1552
WAIKAREKI GEOTHERMAL FIELD/GEOTHERMAL INVESTIGATIONS

Recent investigations for geothermal power at Waiotapu, New Zealand (Deep borehole temperature of 295°C), 1210
WAIKAREKI GEOTHERMAL FIELD/GEOTHERMAL RESOURCES

Oxygen and hydrogen isotopes in New Zealand thermal areas, 2464
Production and utilization of geothermal steam, 449
WAIKAREKI GEOTHERMAL FIELD/GEOLOGY

Geology and geophysics, 1076
WAIKAREKI GEOTHERMAL FIELD/HYDROLOGY

Heat from the Wairakei-Taupo thermal region to calculate geothermal output, 430
Recent sulphur isotope measurements on a variety of specimens examined in New Zealand, 2432
Report on volcanology of New Zealand, 1098
WAIKAREKI GEOTHERMAL FIELD/GEOTHERMAL WELLS

Geological structure of hydrothermal fields in the Taupo volcanic zone, New Zealand, 1279
Geology, structure, and exploitation of the Wairakei geothermal field, Taupo, New Zealand, 1264
WAIKAREKI GEOTHERMAL FIELD/HYDROTHERMAL SYSTEMS

Report on volcanology of New Zealand, 1098
WAIKAREKI GEOTHERMAL FIELD/HYDROTHERMAL SYSTEMS

Shallow temperature surveying in the Wairakei-Taupo area, 1144
Some physical measurements in the Wairakei-Taupo areas, 1111
WAIKAREKI GEOTHERMAL FIELD/HYDROTHERMAL SYSTEMS

Oxygen and hydrogen isotopes in New Zealand thermal areas, 2464
WAIKAREKI GEOTHERMAL FIELD/HYDROTHERMAL SYSTEMS

Recent geophysical investigations relating to the geothermal potential of Wairakei Taupo area, 1144
WAIKAREKI GEOTHERMAL FIELD/HYDROTHERMAL SYSTEMS

Oxygen and hydrogen isotopes in New Zealand thermal areas, 2464
WAIKAREKI GEOTHERMAL FIELD/HYDROTHERMAL SYSTEMS

Recent geophysical investigations relating to the geothermal potential of Wairakei Taupo area, 1144
WAIKAREKI GEOTHERMAL FIELD/HYDROTHERMAL SYSTEMS

Oxygen and hydrogen isotopes in New Zealand thermal areas, 2464
Geothermal energy: potential of Washington State, 369
Geothermal energy in Washington, 293
Geothermal energy potential of Washington, 932
Prospects for geothermal energy in Washington, 267
Washington state may hold geothermal power promise, 276
WASHINGTON/NORTH SPRINGS
Geothermal energy potential of Washington, 932
Survey of thermal springs in Washington State, 1997
WASHINGTON/INFRARED SURVEYS
Thermal features at Mount Rainier, Washington, as revealed by infrared surveys, 1856
Thermal features at volcanoes in the Cascade Range, as observed by aerial infrared surveys, 901
WASHINGTON/VOLCANOES
Thermal features at volcanoes in the Cascade Range, as observed by aerial infrared surveys, 901
WASTE HEAT/RECOVERY
Heat-storage wells for conserving energy and reducing thermal pollution, 3867
WASTE HEAT/UNDERGROUND DISPOSAL
Thermal problems in the siting of reinjection wells, 2909
WATER
See also FRESH WATER
GROUND WATER
HEAVY WATER
METEORIC WATER
SEAWATER
SURFACE WATERS
WATER/CHEMICAL ANALYSIS
Methods for collection and analysis of water samples for dissolved minerals and gases, 2569
WATER/CHEMICAL REACTION KINETICS
Calculated equilibrium curves for some reactions in the system H2O-SiO2-H4O at pressures up to 34,000 bars, 3603
Discussions—study of equilibrium relations in the systems Al2O3-SiO2-H2O and Al2O3-H2O, 3602
Hydrolysis reactions in the silicon-dioxide excess region of the system potassium oxide—aluminum oxide—silicon dioxide—water in chloride fluids at magmatic conditions, 3848
Study of equilibrium relations in the system Al2O3-SiO2-H2O and Al2O3-H2O, 3601
System Al2O3-SiO2-H2O at high temperatures and pressures, 3460
WATER/CHEmICAL REACTIONS
Complexing in the chloride hydrothermal system gold—quartz, 3843
Template plotting of reactions involving water–carbon dioxide mixtures, 3851
WATER/Critical TEMPERATURE
Critical temperature of waters and the aqueous solution of sodium silicates, 3469
WATER/DENSITY
Experimental study of the density of waters containing large concentrations of soluble salts, 3688
WATER/DIFFERENTIAL THERMAL ANALYSIS
Utilization of x-ray diffraction for explaining the DTA peaks in the calcium oxide—silicon dioxide—carbon dioxide water system, 3793
WATER/ELECTRIC CONDUCTIVITY
Conductivity of mixed aqueous electrolytes (KCl—NaCl—H2O, Pb(NO3)2—KNO3—H2O, BaCl2—KCl—H2O, KCl—NaCl—H2O), 3779
WATER/ENTHALPY
Thermodynamic study of aqueous and steam solutions of sodium sulfate at high temperatures, 3819
WATER/NUCLEAR REACTION ANALYSIS
In-situ analysis and monitoring of water for geothermal power by neutron capture gamma rays using PGCF, 2619
WATER/PHASE STUDIES
'Secondary to the liquid state' preceding the rupture of metastable states of water and aqueous solutions of NaCl and KCl, 3823
Conditions for spontaneous rupture of supercooled and supersaturated states of aqueous saline solutions, 3822
Conductors for spontaneous rupture of the supercooling and supersaturation states of aqueous saline solutions, 3824
Phase behavior of aqueous lithium—zinc—calcium halide solutions, 2611
Phase equilibria in the system NaAlSi3O8--NaAlSiO4--H2O up to 10,000 bars and 350°C, 3779
Solution rheology and metamorphism, 3612
System H2O–NaCl at elevated temperatures and pressures, 3512
System of Na2CO3–NaHCO3–H2O at temperatures up to 200 degrees, 3465
Template plotting of reactions involving water–carbon dioxide mixtures, 3851
WATER/PHASE TRANSFORMATIONS
Heat effects of water separation and silicate melting in water–silicate systems at high pressures, 3762
Thermochronological calculations from hydrothermal phase equilibrium data and the free energy of H2O, 3792
WATER/PHYSICAL PROPERTIES
Physical properties of steam and water above 1000 psi, 3559
Thermophysical properties of aqueous sodium chloride solutions, 3554
WATER/SATURATION
Analysis of errors in logging parameters and their effects on calculating water saturation, 2751
WATER/SOLUBILITY
Solubility of water in melts in the system NaAlSi3O8–NaAlSiO4–H2O, 3789
WATER/SOLVENT PROPERTIES
Reactions of quartz and corundum with aqueous chloride and hydroxide solutions at high temperatures and pressures, 3997
Solubility of calcite in aqueous solutions—1. Solubility of calcite in water between 5°C and 200°C at CO2 pressures up to 60 atm, 3514
Solubility of quartz in H2O in the range 1000–4000 bars and 400–500°C, 3538
System H2O–NaCl at elevated temperatures and pressures, 3479
Temperature dependence of the heats of dissolution of nonvolatile metal salts in water and in a melt (KCl, NaCl, KI, CsI, RbCl, TlCl), 2619
WATER/SPECIFIC HEAT
Heat capacity Cg/mol w. of water and water vapour at high temperatures and high pressures (50–500°C), up to 800 atm, two-phase system, 3495
Thermal properties of saturated and unsaturated steam, 3414
WATER/THERMODYNAMIC PROPERTIES
Solubility of NaCl from 0°C to 350°C at the liquid–vapor equilibrium and at 1 atmosphere (0 to 350°C), 3700
Thermal diffusion of 1.1 electrolytes in ordinary and in heavy water, 3797
Thermodynamic properties of saturated water, 3427
Thermodynamic properties of water at high concentrations of sodium sulfate, 3534
WATER/TRANSPORT
Senate Resolution No. 138, relating to the transportation of water over the Tehachapi Mountains (Potential of geothermal power for use in meeting power requirements of California aqueduct system), 3535
WATER/UNDERGROUND RESERVOIRS
System of Na2CO3–NaHCO3–CO2–H2O at temperatures up to 200 degrees, 3465
WATER/VAPORIZATION HEAT
Thermal properties of saturated water and steam, 3404
Thermodynamic study of aqueous and steam solutions of sodium sulfate at high temperatures, 3819
WATER POLLUTION/TRACER TECHNIQUES
Investigation of the movement of infiltrating acidic hot-spring water in the ground by means of radio-isotopes, 1201
WATER RESERVOIRS/GEOPHYSICAL SURVEYS
Interpretation methods for geophysical exploration of reservoirs, 1755
WATER RESERVOIRS/PERMEABILITY
Variation of porosity and permeability of jointed cavernous reservoirs under isothermal confining compression (theoretical calculation), 3099
WATER RESERVOIRS/POROSITY
Variation of porosity and permeability of jointed cavernous reservoirs under isothermal confining compression (theoretical calculation), 3099
WATER RESERVOIRS/WELL LOGGING
Bringing out and assessing jointed reservoirs by geophysical logging methods, 2037
Study of jointed reservoirs by geophysical logging methods, 2036
WATER RESOURCES
Geothermal resources as a source of water supply, 2946
Global plan for water and energy in the next half century, 588
Importance of a practical research input to water resources development, 2957
Trans-Pacific consultation, 3890
WATER RESOURCES/ECONOMICS
Geological and economic criteria for evaluation of groundwater resources, 1403
WATER RESOURCES/EXPLORATION
Geophysics in the exploration, exploitation, and conservation of water, 1705
Survey of remote sensing applications, 2268
WATER RESOURCES/INFRARED SURVEYS
Advancements in airborne infrared imaging
169 INDEX WEST INDIES

Formation evaluation by inspection with the borehole telemeter, 2747
Investigation of the recorded borehole temperatures while running logs, 1740
Scheme of pulse transmission along logging cable, 2759
Simplified theoretical approach to the spatial response of focused logs, 3107
Well logging in ground-water hydrology, 2714
WELL LOGGING/BIBLIOGRAPHIES
Well Logging Methods Conference, 2668
Well Logging/Comparative Evaluations
Anomalies observed on well logs, 2249
WELL LOGGING/COMPUTERS
Time-share computer assists log analyst, 1599
WELL LOGGING/DATA PROCESSING
Complex interpretation of the results of geophysical loggings investigations and gas logging using a computer, 2745
WELL LOGGING/ELECTRICAL SURVEYS
Borehole surveying, 1759
Electrical logging (Effects of mud), 2663
Method of pyroelectrostratigraphic correlation of materials from geophysical investigations of boreholes and from seismic exploration, 2014
WELL LOGGING/ELECTRODES
Multielectrode lateral logging sondes, 2730
Properties of multielectrode sondes with focused current in the case of very high formation resistivities, 2731
WELL LOGGING/ERRORS
Analysis of errors in logging parameters and their effects on calculating water saturation, 2761
Measurement errors of lateral logging sondes caused by the finiteness of the distance to the outlying electrodes, 2738
WELL LOGGING/GAMA SPECTROMETERS
Estimation of the efficiency of a dual borehole gamma spectrometer (in Yedemaya Geofizika), 3144
Stabilized borehole gamma-spectrometer (in Yedemaya Geofizika), 2732
WELL LOGGING/GEOTHERMAL GRADIENTS
Use of well log temperatures to evaluate regional geothermal gradients, 2732
WELL LOGGING/MEASURING INSTRUMENTS
Apparatus for geophysical well investigations, 2085
Developments in geophysical logging instruments and methods, 2746
Logging of ultradep boreholes, 2718
Methods for thermal well logging, 2259
WELL LOGGING/MEASURING METHODS
Estimation of the efficiency of a borehole gamma spectrometer (in Yedemaya Geofizika), 3144
Improved multielectrode sonde, 2739
Stabilized borehole gamma-spectrometer (in Yedemaya Geofizika), 2732
Use of well log temperatures to evaluate regional geothermal gradients, 1870
Well-logging methods studies at Texas A and M, 1605
Well Logging Methods Conference, 2666
Well measurements, 3259
WELL LOGGING/METeOLOGICAL SURVEYS
WELL LOGGING/PHYSICAL SURVEYS
Deviations in geophysical loggings investigations and gas logging using a computer, 2745
WELL LOGGING/PHYSICAL SURVEYS
Subsurface geophysical methods in ground-water hydrology, 1720
WELL LOGGING/REGULATIONS
Use of well log temperatures to evaluate regional geothermal gradients, 2732
WELL LOGGING/SAFETY
WELL LOGGING/SUBCATEGORIZATION
Subsurface geophysical methods in ground-water hydrology, 1720
WELL LOGGING/SEISMIC SURVEYS
Environmental report: deep geothermal test wells (in Yedemaya Geofizika), 2732
Drilling practices and equipment in use at Wairakei, 3150
Drilling practices used at Wairakei thermal power project, New Zealand, 3134
Drilling practices used in use at Wairakei, 3156
Exploration drilling techniques, 3119
Geothermal borehole drilling and laboratory test operations at Kizildere, Turkey, 3155
Machinery and equipment for handling of expensive fluid, 3145
Method and apparatus for transmission of data from drill bit in well while drilling, 3164
Methods and apparatus for transmission of longitudinal and torque pulse data from drill bit in well while drilling, 3178
WELL LOGGING/TEMPERATURE GRADIENTS
Pressure prediction with flowline temperature gradient, 2750
WELL LOGGING/TEMPERATURE MEASUREMENT
Continuous temperature - logging equipments, 2705
Preliminary report of terrestrial heat flow study in the South American continent, distribution of geothermal gradient, 584
Pressure prediction with flowline temperature gradient, 2750
WELL LOGGING/TEMPERATURE MEASUREMENT
Continuous temperature - logging equipments, 2705
Preliminary report of terrestrial heat flow study in the South American continent, distribution of geothermal gradient, 584
Some problems of estimating the temperature error of heat resistant induction logging apparatus, 2751
Temperature well-logging heat conduction, 2787
Well Logging/Thermistors
Designing logging instruments for semiconducting temperature logging, 1864
WEST INDIES
See also JAMAICA
PORTO RICO
Some conditions affecting geyser eruption, 959
Thermal and seismic activity of various geysers, 786
Thermal springs, 949
To the Rockies and beyond, or, a summer on the Union Pacific Railroad and its branches, 945
Use of sodium iodide to trace underground water circulation in hot springs of Daisy geyser group, Yellowstone National Park, 839
Yellowstone, geysers, or, Yellowstone National Park, Wyoming, 793
Yellowstone National Park; historical and descriptive review by Eleanor Chittenden Cress and Isabelle F. Story (Data on mean height, duration and interval of eruption of 58 geysers), 805
Yellowstone's living geology - highlights of Yellowstone geology with an interpretation of the 1959 earthquakes and their effects in Yellowstone National Park, 822
Yellowstone National Park (in the west, from Census of 1880), 848
Yellowstone National Park, 952

YELLOWSTONE NATIONAL PARK/HOT SPRINGS
1959 Lake earthquake alters Yellowstone's hot springs, 821
Agency of algae in the deposition of travertine and silica from thermal waters, 803
Analyses of some geyser deposits, 947
Bore hole investigation in the geyser basin of Yellowstone National Park, 836
Catalogue of the active volcanoes of the world, including solfatara fields: hydrothermal phenomena of the Yellowstone National Park, 823
Chemical indicators of subsurface temperature applied to hot springs of the United States of Yellowstone National Park, Wyoming, USA (Silica geothermometer, alkali ratios, CI/(HCO3- + CO3-)), 854
Contributions to the geological chemistry of Yellowstone National Park, 856
Deposition of silica in hot springs, 841
Discharge of hot springs in the Yellowstone Park, 779
Does the cold of winter affect the thermal intensity of the hot springs in Yellowstone Park, 809
Effects of the Hebgen Lake earthquake of August 17, 1959, on the hot springs of the Firehole Geyser Basin, Yellowstone National Park, 836
Fabulous Yellowstone, 796
Geochemical study of rock alteration by hot springs in the Paint Pot Hill area, Yellowstone Park, 859
Geology on leases and their results, 763
Geological history of the Yellowstone National Park, 779
Hot springs of the Yellowstone National Park, 787
Hot springs and hydrothermal alteration in the Paint Pot Hill area, Yellowstone Park, 842
Hot-spring problem in Yellowstone Park, 789
Hot springs of the Yellowstone National Park, 786
Hot stands of the Yellowstone National Park, 790
Isotopic geochemistry of thermal waters, 2330
Isotopic geochemical study of thermal springs, 2266
Itinerary of the Yellowstone National Park, 796
Mercury contents of natural thermal and mineral fluids, 2572
Mineral waters of the United States and their therapeutic uses. (With an account of the various mineral spring localities, their advantages and health resorts, means of access, etc. to which is added an index of potable waters), 2277
National parks of the northwest, 794
Observations on some west American thermal algae, 965
Occurrence of sulphur, orpiment, and realgar in the Yellowstone National Park, 2461
Physical character of hot-spring and geyser deposits, 799
Rate of sulfuric acid formation in Yellowstone National Park, 873
Report of a reconnaissance of the basin of the upper Yellowstone in 1971, 921
Review of 'hot springs of the Yellowstone National Park' by Eugene Thomas Allen and Arthur Louis Bay, February, 1936, 788
Some investigations of the deposition of travertine from Hot Springs (Pt. 1: Isotopic chemistry of a travertine-depositing spring), 1504
Sulfur isotope distribution in solfatara, Yellowstone National Park, 894
To the Rockies and beyond, or, asummer on the Union Pacific Railroad and its branches, 945
Use of sodium iodide to trace underground water circulation in hot springs of Daisy geyser group, Yellowstone National Park, 839
Winter thermal radiation studies in Yellowstone Park, 824

171 INDEX
ZAIRE REPUBLIC/HOT SPRINGS
Power generation from hot spring, 3007
Power generation from hot springs, 3008

ZAIRE REPUBLIC/GEOTHERMAL PLANTS

Power generation from hot spring, 3007
Power generation from hot springs, 3008

ZAIRE REPUBLIC/HOT SPRINGS

Power generation from hot spring, 3007
Thermal and thermo-mineral springs of the Congo Democratic Republic, 1451
ZAIRE REPUBLIC/ THERMAL WATERS
Thermal and thermo-mineral springs of the Congo Democratic Republic, 1451
ZAMBIA/HOT SPRINGS
Thermal and mineral waters of Zambia, 1459
ZAMBIA/MINERAL SPRINGS
Thermal and mineral waters of Zambia, 1459
ZEOLITES
See also ANALCIME
WAIRAKITE
ZEOLITES/ CHEMICAL COMPOSITION
Zeolite facies, with comments on the interpretation of hydrothermal systems, 1135
ZEOLITES/ CHEMICAL PROPERTIES
Stilbite from Takenoo geothermal area, Kumamoto, Japan, 1555
ZEOLITES/ CRYSTALLIZATION
Mordenite synthesis in a natural hydrothermal solution, 3476
ZEOLITES/ DEPOSITION
Zeolites from Ritter hot spring, Grant County, Oregon, 989
ZEOLITES/ DIAGENESIS
Present-day zeolitic diagenesis of the Neogene geosynclinal deposits in the Miagata oil field, Japan, 3795
ZEOLITES/ DISTRIBUTION
Zeolite distribution in the Kenayama geothermal area, Nakobe, Japan, 532
ZEOLITES/ HYDROTHERMAL ALTERATION
Laumontite and potassium feldspar pseudomorphs after laumontite in druses of spilitites from Harbornzeelah (Lahn-Dill region), 3761
Present status of the zeolite facies, 3765
Rock alteration in some geothermal areas of Japan, 3799
ZEOLITES/ LITHOLOGY
Zeolite facies, with comments on the interpretation of hydrothermal systems, 1135
ZEOLITES/ METAMORPHISM
Rock alteration in some geothermal areas of Japan, 3565
ZEOLITES/ NATURAL OCCURRENCE
Oligocene analysis of zeolite mineral assemblages from the Bay of Fundy area, Nova Scotia, 3766
ZEOLITES/ PHASE STUDIES
Analcime—sillimanite equilibria, 3597
ZEOLITES/ PHASE TRANSFORMATIONS
Thermal transformations of stilbite, 3578
ZEOLITES/ STABILITY
Laumontite equilibria and the zeolite facies, 3732
ZEOLITES/ SYNTHESIS
Composition and structure of recent hydrothermal green mineral deposits, the Goryachii Plyazh deposit, Kunashir Island, 1513
Hydrothermal products formed from montmorillonite clay systems, 3124
Hydrothermal ore deposits. Tephroclastic minerals of recent hydrothermal systems, 3806
Low-temperature hydrothermal synthesis of montmorillonite, ammonium nicas- and ammonium zeolites, 3645
ZINC/ ABUNDANCE
Determination of some base metals in broadlands geothermal waters, 2610
Forms of lead and zinc occurrence in thermal brines of the Cheleken peninsula, 2045
Germanium, molybdenum, copper and zinc in New Zealand thermal waters, 1301
Review of knowledge of metaliferous brines and related deposits (in southern California and Caspian and Red Seas), 3564
Zinc content in chloride solutions in equilibrium with granitic rock minerals under high temperature and pressure conditions, 3711
ZINC/ CHEMICAL ANALYSIS
Determination of some base metals in broadlands geothermal waters, 2610
ZINC/ INDUSTRIAL PLANTS
Geothermal steam supplies added power for Hitachi's Akita zinc plant, 3363
ZINC/ QUANTITY RATIO
Zinc content in chloride solutions in equilibrium with granitic rock minerals under high temperature and pressure conditions, 3711
ZINC/ HALIDES/ PHASE STUDIES
Phase behavior of aqueous lithium—zinc—calcium halide solutions, 2611
ZINC/ UNS/ GEOTHERMOMETRY
Important observations in geologic thermometry of liquid inclusions in crystals of sphalerite, 3533
ZINC/ SULFIDES/ GEOTHERMOMETRY
FeS—ZnS system + geological thermometer, 2327
Phase relations involving sphalerite in the Fe—Zn—S system, 3569
Temperature of crystallization of pyrrhotite and sphalerite from the Highland-Surprise Mine, Coeur d'Alene District, Idaho, 3515
ZINC/ SULFIDES/ ISOTOPE RATIO
Hydrothermal exchange and fractionation of sulfur isotopes in synthesized ZnS and PbS, 3733
ZINC/ SULFIDES/ SOLUBLILITY
FeS—ZnS system + geological thermometer, 2327
# REPORT NUMBER INDEX

The numbers assigned to all reports cited in this publication appear in the first column of the index. The citation numbers are included in the second column. Cross reference information and/or availability are included as appropriate. Abbreviations used in the availability column are elaborated at the end of the index.

<table>
<thead>
<tr>
<th>Report No.</th>
<th>Citation No.</th>
<th>Availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>AO-</td>
<td>611808</td>
<td>30 NTIS, $3.60</td>
</tr>
<tr>
<td></td>
<td>636496</td>
<td>31 NTIS, $3.00; $0.95 (mf)</td>
</tr>
<tr>
<td></td>
<td>749399</td>
<td>1652 NTIS, $3.60; $0.95</td>
</tr>
<tr>
<td></td>
<td>749983</td>
<td>1653 NTIS, $3.60; $0.95 (mf)</td>
</tr>
<tr>
<td></td>
<td>754526</td>
<td>408 NTIS, $3.60; $0.95 (mf)</td>
</tr>
<tr>
<td></td>
<td>754947</td>
<td>2996 NTIS, $3.60; $0.95 (mf)</td>
</tr>
<tr>
<td></td>
<td>764522</td>
<td>1654 NTIS, $3.50; $1.45 (mf)</td>
</tr>
<tr>
<td></td>
<td>764522-9</td>
<td>1655 NTIS, $3.50</td>
</tr>
<tr>
<td></td>
<td>766855-1</td>
<td>148 NTIS, $9.50</td>
</tr>
<tr>
<td></td>
<td>771016</td>
<td>149 NTIS, $4.25</td>
</tr>
<tr>
<td></td>
<td>774108</td>
<td>2644 NTIS, $4.75; $1.45 (mf)</td>
</tr>
<tr>
<td></td>
<td>774108/5GA</td>
<td>26109 NTIS, $4.75; $1.45 (mf)</td>
</tr>
<tr>
<td></td>
<td>776243/5</td>
<td>32 NTIS, $4.75; $1.45 (mf)</td>
</tr>
<tr>
<td>AEC-tr-</td>
<td>7476</td>
<td>34 Dep. NTIS, $3.60</td>
</tr>
<tr>
<td>AFCRL-</td>
<td>79-9277</td>
<td>1656 NTIS</td>
</tr>
<tr>
<td>AFGBR-TR-</td>
<td>73-1344</td>
<td>140 See AO-766855-1</td>
</tr>
<tr>
<td></td>
<td>73-2070</td>
<td>149 See AO-771016</td>
</tr>
<tr>
<td>AKWR-</td>
<td>1129</td>
<td>1 Dep. NTIS, $10.60</td>
</tr>
<tr>
<td></td>
<td>1138</td>
<td>2998 Dep. NTIS, $5.45</td>
</tr>
<tr>
<td></td>
<td>1143</td>
<td>3316 Dep. NTIS, $5.45</td>
</tr>
<tr>
<td></td>
<td>1155</td>
<td>151 Dep. NTIS, $4.00</td>
</tr>
<tr>
<td></td>
<td>1175</td>
<td>152 Dep. NTIS, $4.00</td>
</tr>
<tr>
<td></td>
<td>1190</td>
<td>1600 Dep. NTIS, $4.00</td>
</tr>
<tr>
<td></td>
<td>1204</td>
<td>2872 Dep. NTIS, $4.00</td>
</tr>
<tr>
<td>BES-</td>
<td>150-118</td>
<td>646 See PB-234233</td>
</tr>
<tr>
<td></td>
<td>7273</td>
<td>1694 17: No. 14, v(1943)</td>
</tr>
<tr>
<td></td>
<td>7400</td>
<td>1600 17: No. 7, 218(1946)</td>
</tr>
<tr>
<td></td>
<td>7400</td>
<td>1700 45: No. 7-9, 127-41(1946)</td>
</tr>
<tr>
<td></td>
<td>7414</td>
<td>2667 123: No. 8, 30-40(1946)</td>
</tr>
<tr>
<td></td>
<td>8230</td>
<td>2840</td>
</tr>
<tr>
<td></td>
<td>8538</td>
<td>2660</td>
</tr>
<tr>
<td>BNWL-</td>
<td>1614</td>
<td>3271 Dep. NTIS</td>
</tr>
<tr>
<td></td>
<td>1888</td>
<td>3370 Dep. NTIS, $4.00</td>
</tr>
<tr>
<td>BNWL-S-</td>
<td>110</td>
<td>3272 NTIS, $3.00; $0.95 (mf)</td>
</tr>
<tr>
<td></td>
<td>124</td>
<td>3273 Dep. NTIS, $3.00</td>
</tr>
<tr>
<td>BNWL-SA-</td>
<td>2003</td>
<td>3274 NTIS, $3.00; $0.95 (mf)</td>
</tr>
<tr>
<td></td>
<td>4079</td>
<td>3275 NTIS, $3.00; $0.95 (mf)</td>
</tr>
<tr>
<td></td>
<td>4259(Rev.)</td>
<td>3276 Dep. NTIS, $3.00</td>
</tr>
<tr>
<td>CONF-71018-</td>
<td>3286</td>
<td>See UCRL-72769(Rev.1)</td>
</tr>
<tr>
<td>CONF-71017-</td>
<td>3275</td>
<td>See BNWL-84-4079</td>
</tr>
<tr>
<td></td>
<td>23</td>
<td>3278 See LA-DC-72-66a</td>
</tr>
<tr>
<td></td>
<td>27</td>
<td>3179 See UCRL-73935(Rev.2)</td>
</tr>
<tr>
<td>CONF-720742-</td>
<td>2</td>
<td>See UCB-720742</td>
</tr>
</tbody>
</table>

Report No. Citation No. Availability
CONF-720817- | 2          | 3276 See BNWL-SA-4259(Rev.1)(DR) |
CONF-720925- | 7          | 3279 See LA-DC-72-11157 |
CONF-720963- | 1          | 163 NTIS, $3.00; $0.95 (mf) |
CONF-730438- | 1          | 3317 See LA-UR-73-499 |
CONF-730440- | 1          | 3318 See LA-UR-73-570 |
CONF-730566- | 1          | NTIS (US Sales Only), $0.25 |
CONF-730569- | 1          | 173 See UCRL-74067 |
CONF-730846- | 1          | 157 See LBL-2162 |
CONF-740209- | 1          | 3286 See LA-UR-73-1698 |
CONF-740504- | 2          | 3281 See LA-UR-74-593 |
CONF-740631- | 1          | 3111 See LA-UR-74-740 |
CONF-740709- | 2          | 33 See LA-UR-74-1111 |
CONF-746615- | 2          | 170 See IGAD-74-0233 |
CONF-74959- | 7          | 3282 See LA-UR-74-1836 |
            | 2          | 3112 See LA-UR-74-1880 |
            | 3          | 1601 See LLNL-3164 |
CONF-74975- | 1          | 154 See LA-5618-C |
CONF-741145- | 1          | 2764 Geotheral Energy Institute, 666 Peach Street, San Francisco, CA 94109 |
            | 2          | 1657 AMAX Exploration, Inc., 4704 Harian Street, Denver, CO 80212 |
DES-        | 72-18       | 2849 See PB-206161-D |
            | 72-52       | 3109 See PD-206662-D |
E-          | 72-10074    | 962 NTIS, $3.60; $1.45 (mf) |
            | 74-10385    | 963 NTIS, $4.00; $1.45 (mf) |
            | 74-10667    | 966 NTIS, $5.00; $1.45 (mf) |
            | 74-10680    | 968 NTIS, $4.00; $1.45 (mf) |
            | 74-10701    | 755 NTIS, $4.00; $2.25 (mf) |
EIR-        | 0186        | 2645 See LPS-CA-73-0188-F |
EIS-CA-     | 72-4895-F   | 3103 NTIS, $7.00; $3.95 (mf) |
            | 73-0188-F   | 2645 NTIS, $1.00; $0.95 (mf) |
            | 73-1681-F-1 | 2765 GPO, $4.20 |
            | 73-1681-F-2 | 2766 GPO, $5.85 |
            | 73-1681-F-4 | 2767 GPO, $5.85 |
            | 1681-F-3-3A | 2768 GPO, $5.85 |
            | 1754        | 2645 See PB-206161-D |
            | 4356        | 3109 See PD-206662-D |

INDEX 173
<table>
<thead>
<tr>
<th>Report No.</th>
<th>Citation No.</th>
<th>Availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>4096</td>
<td>3103</td>
<td>See EIS-CA-72-4895-F</td>
</tr>
<tr>
<td>FEY-72-9</td>
<td>2650</td>
<td>See EIS-CA-72-9160-F</td>
</tr>
<tr>
<td>72-21</td>
<td>3103</td>
<td>See EIS-CA-72-4895-F</td>
</tr>
<tr>
<td>FSTC-HT-23-437-73</td>
<td>406</td>
<td>See AD-754626</td>
</tr>
<tr>
<td>HIT-550</td>
<td>2677</td>
<td>See PB-224119-8-DA</td>
</tr>
<tr>
<td>IDO-10060</td>
<td>3113</td>
<td>See NVO-151</td>
</tr>
<tr>
<td>IGPP-UCR-73-18</td>
<td>149</td>
<td>See AD-771016</td>
</tr>
<tr>
<td>INT-QSN-RDPR-71-111</td>
<td>162</td>
<td>See PB-204625</td>
</tr>
<tr>
<td>74-696</td>
<td>3176</td>
<td>See PB-223045</td>
</tr>
<tr>
<td>JPRI-5671</td>
<td>1659</td>
<td>NTIS, $3.00; $0.95 (mf)</td>
</tr>
<tr>
<td>50946</td>
<td>409</td>
<td>NTIS, $3.00; $1.45 (mf)</td>
</tr>
<tr>
<td>60673</td>
<td>625</td>
<td>NTIS</td>
</tr>
<tr>
<td>60673</td>
<td>2991</td>
<td>NTIS</td>
</tr>
<tr>
<td>LA-5129</td>
<td>756</td>
<td>Dep. NTIS, $3.00</td>
</tr>
<tr>
<td>5207-MS</td>
<td>3413</td>
<td>Dep. NTIS, $3.00</td>
</tr>
<tr>
<td>5289-MS</td>
<td>2933</td>
<td>Dep. NTIS, $4.00</td>
</tr>
<tr>
<td>5362-MS</td>
<td>644</td>
<td>Dep. NTIS, $4.00</td>
</tr>
<tr>
<td>5396-MS</td>
<td>1660</td>
<td>Dep. NTIS, $4.00</td>
</tr>
<tr>
<td>5995</td>
<td>2278</td>
<td>NTIS, $4.00; $2.25 (mf)</td>
</tr>
<tr>
<td>5995-MS</td>
<td>2279</td>
<td>NTIS, $4.00</td>
</tr>
<tr>
<td>5760-MS</td>
<td>2546</td>
<td>NTIS, $4.00</td>
</tr>
<tr>
<td>5818-C</td>
<td>154</td>
<td>NTIS, $4.00</td>
</tr>
<tr>
<td>5819-PR</td>
<td>2847</td>
<td>NTIS</td>
</tr>
<tr>
<td>LA-DC-72-669</td>
<td>3278</td>
<td>NTIS, $3.00; $0.95 (mf)</td>
</tr>
<tr>
<td>72-1157</td>
<td>3279</td>
<td>NTIS, $3.00; $0.95 (mf)</td>
</tr>
<tr>
<td>LA-UR-73-499</td>
<td>3317</td>
<td>Dep. NTIS, $3.00</td>
</tr>
<tr>
<td>73-570</td>
<td>3318</td>
<td>Dep. NTIS, $3.00</td>
</tr>
<tr>
<td>73-726</td>
<td>315</td>
<td>Dep. NTIS, $3.00</td>
</tr>
<tr>
<td>73-1075</td>
<td>315</td>
<td>Dep. NTIS, $3.25</td>
</tr>
<tr>
<td>73-1196</td>
<td>3280</td>
<td>Dep. NTIS, $3.00</td>
</tr>
<tr>
<td>74-603</td>
<td>3281</td>
<td>Dep. NTIS, $4.25</td>
</tr>
<tr>
<td>74-740</td>
<td>3111</td>
<td>Dep. NTIS, $4.40</td>
</tr>
<tr>
<td>74-1111</td>
<td>35</td>
<td>Dep. NTIS, $4.40</td>
</tr>
<tr>
<td>74-1836</td>
<td>3282</td>
<td>Dep. NTIS, $4.00</td>
</tr>
<tr>
<td>74-1986</td>
<td>3112</td>
<td>NTIS, $0.40</td>
</tr>
<tr>
<td>LBL-2102</td>
<td>157</td>
<td>Dep. NTIS, $3.75</td>
</tr>
<tr>
<td>3224</td>
<td>1601</td>
<td>Dep. NTIS, $4.25</td>
</tr>
<tr>
<td>3225</td>
<td>797</td>
<td>Dep. NTIS, $4.40</td>
</tr>
<tr>
<td>N0-67-39313</td>
<td>1661</td>
<td>NTIS, $6.00; $2.25 (mf)</td>
</tr>
<tr>
<td>70-16586</td>
<td>1400</td>
<td>NTIS, $4.00</td>
</tr>
<tr>
<td>NASA-CA-79136</td>
<td>1661</td>
<td>See N-67-39313</td>
</tr>
<tr>
<td>133491</td>
<td>902</td>
<td>See E-73-10974</td>
</tr>
<tr>
<td>136868</td>
<td>964</td>
<td>See E-74-10467</td>
</tr>
<tr>
<td>136863</td>
<td>1658</td>
<td>See E-74-10480</td>
</tr>
<tr>
<td>137170</td>
<td>963</td>
<td>See E-74-10385</td>
</tr>
<tr>
<td>139221</td>
<td>756</td>
<td>See E-74-10701</td>
</tr>
<tr>
<td>NASA-SP-7042</td>
<td>4</td>
<td>NTIS, $6.00; $2.25 (mf)</td>
</tr>
<tr>
<td>7042 (1)</td>
<td>5</td>
<td>NTIS, $4.00; $2.25 (mf)</td>
</tr>
<tr>
<td>NASA-TT-F-671</td>
<td>3377</td>
<td>NTIS, $3.00; $1.45 (mf)</td>
</tr>
<tr>
<td>699</td>
<td>3378</td>
<td>NTIS</td>
</tr>
<tr>
<td>NOTS-TP-4122</td>
<td>31</td>
<td>See AD-636496</td>
</tr>
<tr>
<td>NP-19720</td>
<td>20212</td>
<td>GPO, $4.20</td>
</tr>
<tr>
<td>NSF/FRA/N -74-027-A</td>
<td>160</td>
<td>Manager of Geothermal Projects, National Science Foundation (MANS), 1800 G Street NW, Washington, DC 20550</td>
</tr>
<tr>
<td>N710</td>
<td>25657</td>
<td>NTIS, $3.00</td>
</tr>
<tr>
<td>Report No.</td>
<td>Citation No.</td>
<td>Availability</td>
</tr>
<tr>
<td>-----------</td>
<td>--------------</td>
<td>--------------</td>
</tr>
<tr>
<td>UCID-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3679</td>
<td>63177</td>
<td>Dep. NTIS, $14.75</td>
</tr>
<tr>
<td>16619</td>
<td>2282</td>
<td>Dep. NTIS, $4.00</td>
</tr>
<tr>
<td>16670</td>
<td>411</td>
<td>Dep. NTIS, $10.75</td>
</tr>
<tr>
<td>UCRL-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5298</td>
<td>444</td>
<td>19: vol(1956)</td>
</tr>
<tr>
<td>5299</td>
<td>446</td>
<td>37: 286-90(1956)</td>
</tr>
<tr>
<td>5299</td>
<td>3007</td>
<td>174: 666-1, 691-3 (1952)</td>
</tr>
<tr>
<td>5299</td>
<td>3810</td>
<td>5: vol(1956)</td>
</tr>
<tr>
<td>7605</td>
<td>3381</td>
<td>Dep. NTIS</td>
</tr>
<tr>
<td>51211</td>
<td>172</td>
<td>Dep. NTIS, $3.00</td>
</tr>
<tr>
<td>51366</td>
<td>3321</td>
<td>Dep. NTIS, $3.00</td>
</tr>
<tr>
<td>72769(Rev.1)</td>
<td>3286</td>
<td>Dep. NTIS</td>
</tr>
<tr>
<td>73939(Rev.2)</td>
<td>3179</td>
<td>NTIS, $3.00; $0.95 (mf)</td>
</tr>
<tr>
<td>74807</td>
<td>173</td>
<td>Dep. NTIS, $3.50</td>
</tr>
<tr>
<td>UCRL-Trans-</td>
<td>10726</td>
<td>2967</td>
</tr>
</tbody>
</table>

Abbreviations Used in Availability Column:

- Dep.: ERDA reports so designated are maintained in microform at the organizations listed on the inside back cover.
- NTIS: For sale by the National Technical Information Service (NTIS), U.S. Department of Commerce, Springfield, Virginia 22161. Microfiche copy of each separately bound document can be purchased for $2.25. Reports issued by organizations outside the United States will be sold by NTIS only to purchasers within the United States.
- INIS: Available on microfiche at 50¢ per document from INIS Section, International Atomic Energy Agency, P. O. Box 540 A-1031, Vienna, Austria.
REPORT COLLECTIONS IN THE UNITED STATES

ALABAMA
Auburn, Auburn University
Tuskegee Institute, Tuskegee Institute

ARIZONA
Tucson, University of Arizona

CALIFORNIA
Davis, University of California
Los Angeles, University of California
Santa Barbara, University of California

COLOMBADO
Boulder, University of Colorado

DISTRICT OF COLUMBIA
Washington, Library of Congress

FLORIDA
Gainesville, University of Florida

GEORGIA
Atlanta, Georgia Institute of Technology

HAWAII
Honolulu, University of Hawaii

IDAHO
Pocatello, Idaho State University

ILLINOIS
Urbana, University of Illinois

INDIANA
Lafayette, Purdue University

IOWA
Ames, Iowa State University

KANSAS
Manhattan, Kansas State University

KENTUCKY
Lexington, University of Kentucky

MARYLAND
Baltimore, Johns Hopkins University
College Park, University of Maryland

MASSACHUSETTS
Cambridge, Massachusetts Institute of Technology
Worcester, Worcester Polytechnic Institute

MICHIGAN
Ann Arbor, University of Michigan

MISSISSIPPI
State College, Mississippi State University

MISSOURI
Columbia, University of Missouri
Kansas City, Linda Hall Library

NEW JERSEY
Princeton, Princeton University

NEW MEXICO
Albuquerque, University of New Mexico

NEW YORK
Albany, New York State Library
Albany, State University at Albany
Ithaca, Cornell University
New York, Columbia University
Rochester, University of Rochester
Syracuse, Syracuse University
Troy, Rensselaer Polytechnic Institute

NORTH CAROLINA
Raleigh, North Carolina State University

OHIO (Continued)
Columbus, Ohio State University
Toledo, University of Toledo

OKLAHOMA
Norman, University of Oklahoma

PENNSYLVANIA
Philadelphia, University of Pennsylvania
Pittsburgh, Carnegie Library
University Park, Pennsylvania State University

PUERTO RICO
San Juan, University of Puerto Rico

SOUTH CAROLINA
Columbia, University of South Carolina

TENNESSEE
Knoxville, University of Tennessee

TEXAS
Austin, University of Texas
College Station, Texas A & M University
Houston, Rice University

UTAH
Salt Lake City, University of Utah

VIRGINIA
Blacksburg, Virginia Polytechnic Institute
Charlottesville, University of Virginia

WASHINGTON
Pullman, Washington State University
Seattle, University of Washington

WEST VIRGINIA
Morgantown, West Virginia University

WISCONSIN
Madison, University of Wisconsin