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East-West Center

Twenty-third Annual Report

For the fiscal year ending
September 30, 1983

ACADEMIC FREEDOM

In establishing the non-profit educational corporation to operate the East-West Center, the Hawaii State Legislature in 1975 enacted into law the Center's long-standing policy that the institution shall neither conduct nor support any classified (secret) activity or research, and shall make the results of its activities and research available to the public.

The law also requires that academic freedom shall be upheld and preserved in all of the programs and activities of the East-West Center. Within the framework of the Center's mission, its problem-orientation, and the criteria for team work, the Board of Governors adopted the following policy on academic freedom:

"The East-West Center embraces those aspects of academic freedom which guarantee the freedom to teach and the freedom to learn. Free inquiry and free expression for both participants and staff are indispensable and inseparable. Participants, whether from the United States or from foreign countries, as members of the academic community are encouraged to develop a capacity for critical judgment and to engage in sustained and independent search for the truth.

"Individuals from foreign countries, as full participants in the educational process at the East-West Center, have the right to pursue formal knowledge, verbal or written, in whatever directions and with whatever legitimately appropriate associations as are necessary, without fear of reprisal. The Board of Governors condemns, in the strongest possible terms, any actions or statements on the part of anyone which may tend to interfere with the academic freedom of any participant at the Center. Any monitoring (conducting surveillance, reporting to government officials, issuing threatening warnings, etc.) directly or indirectly of political studies, activities, associations, attitudes or opinions of any participant, student, staff or other member of the East-West Center or the University of Hawaii academic community constitutes such interference.

"For its part, the East-West Center guarantees all participants the freedom of silence. No participant is required to engage in research on any topic or to make statements of any kind unless it is his/her wish to do so.

"The East-West Center would be most concerned if any government placed its own nationals in jeopardy for engaging in normal academic studies on its campus; it urges other governments to accept the concepts of academic freedom prevalent here if they intend for their nationals to study at this institution."

APR 13 1984

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East-West Center

Annual Report

October 1, 1982–September 30, 1983

Published by
East-West Center
1777 East-West Road
Honolulu, Hawaii 96848

December 1983

RESEARCH INFORMATION SERVICES
EAST-WEST CENTER
177 EAST-WEST ROAD
HONOLULU, HAWAII USA 96848

DATE DUE

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President's Message

With its establishment by the United States Congress in 1960, the East-West Center embarked on a bold venture: "to promote better relations and understanding among the nations of Asia, the Pacific and the United States through cooperative study, training and research."

Twenty-three years ago, this was a visionary mandate. The interests of the United States were still directed in large measure toward Europe; scholarly and cultural institutions had not yet established strong ties with Asian and Pacific counterparts; and American awareness of what lay beyond their own western shores was still low.

In recent years, however, vision is becoming reality. The United States is shifting its orientation to accommodate the burgeoning growth underway in Asia. Led by the rapid expansion of trade across the Pacific, a host of factors have stimulated the mutual perception that U.S.-Asian relations are fundamentally important to prosperity and the chance for peace.

The opportunities present in the Asian/Pacific region are great, but so are the problems. In terms of physical constraints and resources, for example, one of the most pressing issues concerns population. Slightly more than half the world's population now live in this region. At the end of a quarter century, an additional 1.4 billion people will be added -- a number so large it is difficult to comprehend. Yet, we must ask how so many people will be housed and fed, much less employed, educated and inspired? The failure to do any of these things will not only lead to individual human misery but could also spell disaster for entire societies.

Further, a combination of migration into cities and increased urban births will lead to 900 million more urban dwellers at the end of a quarter century than there are now. That is the equivalent of nearly 100 new Los Angeleses or Tokyos. Where will they be located? How will water, food and transportation be provided? Mustn't we begin to lay the sewer lines and other infrastructures now?


These are some of the questions we try to address at the East-West Center. As you will see in the following pages, we are also at work on such critical issues as energy requirements, ways to meet human needs for food and other resources in an environmentally sustainable manner, the impact of new information technologies, and the nature of the fundamental social and cultural transformations taking place in the region.

During this period of awakening to the Pacific Era, the East-West Center has been forging an extensive network of people and programmatic linkages in Asia and the Pacific. The Center is filling a gap in the capacity of the United States to contribute to and learn from this region. Most academic institutions, whether in the United States or Asia, are limited in their ability to establish substantial collaborative ties with colleagues elsewhere. Among other reasons, a university can invite only a few visiting

scholars to join its work each year. At the East-West Center we have brought together a critical mass of resources representing a multitude of disciplines and diverse cultural perspectives to examine the problems of the Asian/Pacific region. Each year, more than 2000 men and women from 60 countries join with our staff to address the challenges of regional development.

The greatest resource we have in affecting change is our alumni body -- the thousands of former participants who have returned from the Center to their homes and professions and who are directly engaged in dealing with the problems we study at the Center. Counted among them are heads of government, ambassadors, members of national legislative bodies, officials of international agencies, and many senior government officials. In higher education, there are Center alumni serving as university presidents, directors of research institutes, and a large number of faculty members.

Important in the past, these networks are critical to the future. People in the Asian/Pacific region are caught up in a period of unparalleled growth and change. There is hunger and war, but there is also a world that could be, if we learn to deal with cultural differences and if we foster more and better cooperation with one another. Then the coupling of new technological advances with new resources and better management will begin converting visionary hope to reality. This is a worthy agenda for ourselves, both as individuals and as nations.

A handwritten signature in black ink, appearing to read "Victor Hao Li". The signature is stylized with a large, looping initial "V" and a long, sweeping horizontal stroke at the end.

Victor Hao Li
President

Office of the President

For the East-West Center, 1983 was marked by a major program consolidation, the recruitment of key senior staff, and continued program innovation. The groundwork for greater participation by the private sector also was laid with the establishment of the East-West Center Foundation, which seeks financial contributions from corporations and foundations to balance funding from the U.S. Congress and from Asian/Pacific governments.

Three new members took their places on the institution's international Board of Governors during the year. They were former Senator James B. Pearson of Kansas and Dr. June Teufel Dreyer, professor of public and political affairs at the University of Miami in Florida, appointed by the Secretary of State; and Mr. Kenneth F. Brown, chairman of the board of Ainalalu Corporation in Honolulu, appointed by the Governor of Hawaii. Fiji's Prime Minister Ratu Sir Kamisese K.T. Mara and Mr. Yoshinori Maeda, honorary chairman of the Japan Broadcasting Corporation, were re-elected to the Board by the appointed members as provided in the act governing the operation of the East-West Center as a non-profit, public educational corporation.

After long study, the decision was made to consolidate the research and training activities of the Communication Institute and the Culture Learning Institute in a single unit to achieve greater impact in dealing with the causes and consequences of the social transformations occurring throughout the Asian/Pacific region. Projects emphasizing international relations and economics, as well as international education, were started on a small scale. Scholars and professionals from Asia, the Pacific area and the United States were invited to explore fresh ideas in an on-going "Humanities Forum" and "Development Forum."

The work of all the Center's institutes and offices is reported in the following pages of this annual report for Fiscal Year 1983.

Recruiting was begun for a new director of the Resource Systems Institute, following the retirement of Dr. Harrison Brown, and for new directors to head the Pacific Islands Development Program (PIDP) and the combined Communication and Culture Learning Institutes. (Shortly after the close of the fiscal year, Dr. Seiji Naya, chief economist of the Asian Development Bank while on leave from the Economics Department of the University of Hawaii, was appointed to head the Resource Systems Institute. Dr. Mary Bitterman, head of the Hawaii state Department of Commerce and Consumer Affairs and former director of the Voice of America, was named to head the combined Communication and Culture Learning institutes. Filipe Bole, Fiji's secretary for foreign affairs and former permanent representative to the United Nations and ambassador to the United States, became director of PIDP on October 1.)

Among the notables who made important policy addresses at the East-West Center was Australia's Prime Minister Robert J. Hawke.

The United States Congress, through the U.S. Information Agency, appropriated \$18,000,000 for basic funding of the Center in Fiscal Year 1983, an increase of \$1,120,000 over FY 1982. Public and private support for the Center in the form of financial contributions, donated services, cost-sharing and contracts and grants totaled an additional \$3,478,575, an increase of \$311,515 over the previous year.

During the fiscal year, a total of 2,385 men and women from 36 countries participated in Center programs. They included 300 research fellows, 946 professional associates, 578 field participants, 156 interns, 31 joint doctoral interns, 357 degree students, and 17 non-degree scholars.

Communication Institute

Godwin Chu, Acting Director

Modern communication technologies provide increasing opportunities for people of many nations to interact. But misinformation, even when unintended, may have far-reaching effects on international perceptions and relations.

Domestically, modern communication media offer new means for governments in Asia and the Pacific to reach their citizens and coordinate national efforts of development. They can be used to disseminate new information and knowledge, teach necessary skills, motivate participation, and cultivate supportive attitudes and values. With their enormous reach and capabilities, and their ability to fundamentally change the processing and dissemination of information, these technologies have the potential of changing our life-style in ways we are as yet unable to predict.

The Communication Institute's program is built around opportunities and challenges brought about in Asia and the Pacific in this "Age of Communication." The central question is how countries in the region can use modern communications to "leap frog" in their development efforts while minimizing adverse side-effects and fostering international communication ties.

Specifically, the institute addresses three related program areas: (1) news media's role in promoting understanding and better relations between the United States and countries of Asia and the Pacific; (2) communication media use in support of national development efforts; and (3) social and economic impact and policy implications of new communication technologies.

Program Area 1--News Media

Newspapers, magazines, radio, and television play a key role in shaping understanding among nations and in influencing and reflecting social, cultural, and economic changes in the Asian/Pacific area.

Jefferson Fellows. The 16-year-old Jefferson Fellowship program is designed to improve understanding of the United States and countries in Asia and the Pacific by mid-career journalists.

The 1983 program included six Americans (mainly editorial writers from important regional newspapers without foreign correspondents) and six Asian journalists representing newspapers and news agencies. More U.S. participants were invited than in previous years in an effort to increase the knowledge of the Asian/Pacific area among American newspaper editors who are generally oriented toward European and Middle Eastern affairs. Two veteran "journalists-in-residence," Norman E. Isaacs from the United States and Tadakatsu Seguro from Japan, served as advisors and counselors for the fellows.

The program was shortened to 13 weeks (from the semester of most prior years) to permit participation of key American and Asian/Pacific editors and writers who cannot be away from their posts for longer periods. Based on evaluations by the 1983 participants, the 1984 program will be further reduced to nine weeks in order to attract top media decision-makers and opinion-molders.

The 1983 program started with an eight-week study/seminar session at the Center, followed by four weeks of travel and reporting (in Asia for the Americans, in the U.S. mainland for the Asians). The journalists came together again at the Center for a final week to exchange experiences and perceptions based on their traveling and writing in different cultures. Cost-sharing included payments of the fellows' regular salaries by their employers while on the four-week travel/reporting segment, and programming for four weeks in Japan by the Foreign Press Center and Foreign Ministry.

U.S./Asia News Flow. Much has been said in recent years about inadequate news flow between the United States and Asia, and inadequate news coverage of the United States by Japan, and vice versa. At the suggestion of the Japanese-American Cultural Conference, the institute has undertaken a study of news flows among these countries in cooperation with the Nihon Shimbun Kyokai (Japanese Newspaper Editors and Publishers Association) and the Chinese University of Hong Kong.

Content analysis of several newspapers was conducted on a week's worth of issues selected from October 1982. Three newspapers in the United States (New York Times, Los Angeles Times, and St. Louis Post-Dispatch) and three in Japan (Asahi Shimbun of Tokyo, Nishi, and Koichi) have been studied in detail. Representative dailies from China, India, Korea, Australia, and the five ASEAN countries, as well as France and England, in addition to the four international news wires and the principal Asian wires, were also studied to obtain a broader view of the exchange of information, and to examine the influence of regional political organizations on the exchange of information.

This very large study (approximately 6 million words examined in nine languages, and one half million separate observations) is being analyzed. Initial findings reveal significant disparities in amounts of coverage, and in the pictures of countries that emerge from the news content in different nations.

U.S./Japan Journalists. In September 1983, the institute organized a one-day session for an exchange of information and viewpoints by Japanese and American journalists returning from 21-day orientation visits to each other's country. The exchange is sponsored annually by the American Committee of the International Press Institute and the Japanese Newspaper Editors and Publishers Association (NSK), with the final assessment meeting at the East-West Center.

Development Reporting. In December 1982, the institute conducted a week-long Development Reporting Workshop for 15 Asian/Pacific journalists. Cosponsored with the Press Foundation of Asia and the United Nations Fund for Population Activities, the seminar was led by Alan Chalkley, well known development writer and editor based in Hong Kong. This workshop was funded by a \$30,000 grant from the United Nations Fund for Population Activities.

Chinese Journalists. The institute continued its cooperative work with the University of Hawaii Department of Journalism in providing training to young staff members from news organizations in China. The second group of 11 journalists arrived in Honolulu in August 1982 for the nine-month program which included intensive training in standard American journalism techniques from the UH journalism staff. Institute staff provided seminars on American media and society and comparative media systems.

Program Area 2--Effects of Telecommunications Systems

This program area undertakes empirical studies of the social and economic effects of new communication technologies, especially in the context of national development.

Indonesian Satellite. In FY83, the institute completed detailed statistical data analysis for a six-year longitudinal study of the impact of satellite television on social and economic development in rural Indonesia. This study, the only one of its kind in any developing country, was sponsored by the Indonesian Ministry of Information, and was jointly undertaken by EWCI and the Indonesian National Institute of Economic and Social Research (LEKNAS/LIPI).

Shortly after the launching of Indonesia's PALAPA satellite but before television reached rural Indonesia outside Java, a benchmark survey was completed in 1976 in a cross section of villages in five provinces. A follow-up survey was conducted in the same villages in 1982 to assess the social and economic impact after the villagers had been exposed to television for nearly six years.

Final research results indicate that television has become the major source of news and information about the outside world for viewers in Indonesian villages. After viewing television, the villagers significantly improved their ability to use the national language, Bahasa Indonesia. Television has contributed to their knowledge about a range of development-related issues, including family planning, facilitated their discussion of community affairs, promoted their participation in village community organizations, and helped the villagers make more effective use of their financial resources. There is no question that television commercials stimulated consumption of advertised items in the villages (commercials on Indonesian television were abolished by presidential decree in April 1981).

A final research report will be prepared in 1984. Funding for this longitudinal research has been provided primarily by the Indonesian Ministry of Information, with supplementary contributions from the National Science Foundation, LEKNAS/LIPI, and CI.

Rural Telephony. CI undertook two pioneering studies of the social and economic impact of rural telephone systems in Indonesia and Thailand. The Indonesian study, conducted in three rural districts, was co-sponsored with the Indonesian National Institute of Cultural Studies, and carried out with the assistance of the Indonesian directorate-general of Post and Telecommunications, the Indonesian National Electronic Institute, and the Indonesian Public Telecommunications Corporation. The Thai study, completed

in four rural districts, was a joint undertaking with Thammasat University and the Telephone Organization of Thailand.

The two projects were among the first empirical studies of the functions of telephony in rural development in Asia. The studies examined the need for communication facilities among rural inhabitants, their current patterns of communication, their use of telephones when available, the purposes of telephone communication, the social and economic consequences of not having the telephone, and initial cost/benefit analysis of telephony in rural areas.

Both field work and statistical data analysis have been completed. Research reports are under preparation in coordination with cooperating institutions. Preliminary findings from the Thailand study show that rural people have a pressing need for telephone service and the limited number of available phones are fully utilized. Most non-subscribers have difficulty in gaining access to phones, and therefore incur costs in transportation, time, and lost opportunities. There was strong evidence that rural business and government offices could improve efficiency, possibly as much as threefold, through the use of telephones. In addition to business needs, the study noted a growing demand among the rural inhabitants for social communication and for a way to keep in touch with family members living outside the area.

Plans are being considered for expanding the rural telephone studies to national surveys in Indonesia and Thailand, to be supported by external funding. The findings will provide an empirical data basis for development of rural telephone services in the two countries.

Videotex. Initial planning for a new research project began in FY83 to examine the potential impact of Videotex on the life-style in Asian countries. Videotex is a high communication technology that gives users access to central computer data banks and services through use of small computer terminals, telephone line connections, and television screens. Cooperative arrangements have been made with the Telecommunications Authority of Singapore to begin initial field research in Singapore, which will be the first Asian country to introduce Videotex services (known as Teleview) to the general public beginning in 1985.

Program Area 3--Communication Policy

The focus here is on policy issues related to the adoption of new communication technologies.

Computerization. A one-week conference on "Critical Issues of National Computerization Policy" in August 1983 was jointly sponsored with the Annenberg School of Communication of the University of Southern California, and attended by 22 participants from Australia, Cook Islands, France, Japan, India, Indonesia, Singapore, Thailand, and the United States. Twenty papers covered a wide range of issues: national experiences by different countries, long range planning, impact on employment, education, the microelectronic industry, banking services, data base services and computer uses, and problems of computerization in developing countries.

The nature and priority of computerization problems in developing countries and highly industrialized nations differed. Developing countries seem to be

more concerned with an orderly introduction of computerization in selected areas in order to avoid economic and social dislocations. Those governments are cautious and inclined to regulate the growth of computerization.

Problems of computerization in developing countries noted by the participants include: culture and language problems in assimilating new technology; inadequate knowledge among higher management on how to accomplish the transition to computerization; underutilization of costly equipment; lack of qualified managerial and operational manpower; lack of coordination between different computer establishments; and a growing concern about the effect of the rapid spread of microcomputers on the economic and cultural life in developing countries.

Pacific Telecommunications. CI organized two sessions and a workshop for the 1983 Pacific Telecommunications Conference held in Honolulu in January 1983 in cooperation with the Pacific Telecommunication Council. More than 300 telecommunications planners, managers, users, and researchers attended the conference.

PTC has published Telecom Pacific, edited by CI Research Associate Syed A. Rahim and Fellow Dan Wedemeyer. This book includes contributions from Jose P. Dans, Philippines minister of transportation and communications; Sir Thomas Davis, former prime minister of the Cook Islands; and Bernard Wonder, United States assistant secretary of commerce for communication and information.

Information Economics. Upon the initiation of CI Research Associate Meheroo Jussawalla, the American Economic Association included a pioneering session on information economics at its annual convention last year. Business Week reported on the session in its January 20, 1983 issue. In February 1983, Jussawalla presented the results of her study on the information economy of Singapore at the Asian Institute of Mass Communication Research in that country.

Program Area 4--Communication Education

The educational program of the Communication Institute disseminates the findings of cooperative research jointly undertaken by the institute with scholars and institutions in Asia and the Pacific, and provides educational materials on new communication technologies.

Annual Seminar. Eighteen participants from 12 countries attended the institute's fourth Annual Communication Seminar held for eight weeks from May to July 1983. The focus of discussion was "The Communication Revolution." Six of the participants were cost-shared by sponsors in their home countries while two were fully funded by outside organizations (Qatar News Agency and the World Health Organization).

The participants attended orientation sessions on the latest communication technologies, including communication satellites and computerization, and discussed the potential social, cultural, and economic implications for both developing and highly industrialized countries. Policy options open to governments in Asia and the Pacific area were discussed. EWCI staff members and fellows presented their research findings, and seminar participants

prepared papers on the views of a number of countries regarding the social and cultural impact of new communication technologies.

Thai Consortium. A consortium of mass communication schools in Thailand's universities has been established for closer cooperation in educational and research activities. Research Associate Syed Rahim serves as a member of the advisory body of the consortium executive committee. The consortium's first activity was a seminar on faculty and curriculum development jointly sponsored by CI and the Department of Mass Communication, Chiang Mai University, held in March 1983 in Chiang Mai. More than 40 participants attended the two-week seminar, which focused on new communication technologies.

A-V Modules. Six audio-visual educational modules on specific communication technologies have been completed by Dan Wedemeyer, fellow. These modules incorporate up-to-date and well planned educational materials suitable for use by universities and other training institutions.

Video Training. CI cooperated with the government of Palau, the Honolulu-based Center for Citizen Education, and the Presbyterian Hunger Fund in providing a month-long video production training program to three participants from Palau. Another short term training course was provided for three Indonesian educational specialists. The course covered basic audio-visual planning and production organization.

Agricultural Information Flow. The institute's Transnational Knowledge Utilization project, coordinated by Research Associate George Beal, entered into a collaborative research project with the International Service for National Agricultural Research (ISNAR) to examine the dissemination of research results and the flow of information within the agricultural sectors of three South Pacific island countries: Papua New Guinea, Fiji, and Western Samoa.

COMMUNICATION INSTITUTE

Staff

Acting Director

Godwin C. Chu, PhD Communication Research, Stanford University, 1964. Prior to joining the Institute in 1974, was professor of communication and director of Graduate Journalism Research Program at Southern Illinois University. Has taught in the Department of Communication at Stanford University and in the Department of Anthropology and Sociology at the University of Victoria in Canada. His research interest is in the roles of communication in national development and social/cultural change. Author of several books, and monographs and articles on communication and development, particularly in China and Indonesia. Is also project leader for Effects of Telecommunications Systems.

Assistant Director for Participants/Research Associate

Wimal Dissanayake, PhD Traditional Media, University of Cambridge, 1969. Head of the Department of Mass Communication, University of Sri Lanka, prior to joining the Institute. Has been Visiting Fulbright Research Scholar at the University of Pennsylvania, an award-winning radio broadcaster, and a working newspaper journalist.

Assistant Director for Education/Research Associate

Clayton Vollan, PhD Educational Communication and Technology, University of Washington, 1971. Joined the Institute after serving as United Nations advisor for communication and training to the Ministry of Health in Turkey. Has taught at the University of British Columbia, the University of Hawaii, and the University of Washington. Is project leader for Communication Education.

Research Associates

George M. Beal, PhD Sociology, Iowa State University, 1953. Charles F. Curtiss Distinguished Professor in the Department of Sociology and Anthropology at Iowa State before coming to the Institute as half-time research associate in 1977. Received the Distinguished Rural Sociologist Award, Rural Society, in 1982. Has had extensive overseas experience in India and Thailand. Research interests include organizational coordination and communication planning.

Elizabeth Buck, MA Library Studies, University of Hawaii, 1967; PhD Program in Political Science, University of Hawaii. Coordinated the Institute's Synthesis of Population Communication Experience project. Currently working on the Effects of Telecommunications Systems.

Meheroo Jussawalla, PhD Economics, Osmania University, 1964. Came to the Institute in 1978 after teaching at St. Mary's College in Maryland. Has taught and lectured in the United States, Germany, and India. From 1949-75, was on the faculty of Osmania University, India, and was Dean of the Faculty

of Social Sciences. Has published widely in the field of development economics and economics of communication.

Hidetoshi Kato, PhD Sociology, Tokyo University, 1976. Joined the Institute in 1972. Divides his time between the East-West Communication Institute and Gakushuin University in Tokyo. Did special studies at Harvard and University of Chicago. Is widely published in both Japan and the United States on popular culture and traditional media. His current research is focused on Micronesia.

D. Lawrence Kincaid, PhD Communication, Michigan State University, 1972. Joined the Institute's staff in 1972. His major publications concern network analysis and convergence theory. Current research focuses on inter-cultural convergence, television socialization, and communication theory. Resigned in May 1983.

Jack Lyle, PhD Mass Communication Research, Stanford University, 1959. Was a member of the journalism faculty at UCLA for 13 years. Came to the East-West Center in 1975 as director of Communication Institute from the Corporation for Public Broadcasting in Washington, where he had been director of audience research. Has served as assistant director for worldwide study of the use of radio and television for instruction, a UNESCO project. His books and articles cover the range of media problems, with special attention to the impact of television.

Syed A. Rahim, PhD Communication, Michigan State University, 1968. Was chief of Rural Institution Section in Bangladesh Planning Commission before joining the Institute in 1974, and participated in formulating that country's first five-year plan. Directed research in the Comilla Academy for Rural Development from 1963-71. Is project leader for Communication Policy.

Curator of Jefferson Fellowship Program

Robert B. Hewett is corporation secretary and special assistant to the president of the East-West Center. He joined the Center staff in 1967 after 22 years as a journalist in Asia, the Middle East, Africa, and Europe. Studied at the University of Michigan, the London School of Economics, and taught journalism at the American University in Cairo. He was winner of the Overseas Press Club award for foreign interpretive reporting and Headliners Club Award for foreign reporting.

Consultant to the Institute

Wilbur Schramm, Director-emeritus of the East-West Communication Institute, and former Distinguished Center Researcher. Was educated at Harvard and the University of Iowa, where he received a PhD in 1932. Formerly Janet M. Peck Professor of International Communication, and director of the Institute for Communication Research, Stanford University. Has done research on four continents. Of his more than 20 books and 100 articles, many have been translated into both European and Asian languages.

Adjunct Research Associates

Fred Hung, PhD 1955, University of Washington. Professor and Chairman, Department of Economics, University of Hawaii.

Sarah King, PhD 1965, University of Southern California. Professor of Communication, University of Hawaii.

Jim Richstad, PhD 1967, University of Minnesota. Professor, H.H. Herbert School of Journalism and Mass Communication, University of Oklahoma.

Garrett McDowell, PhD 1975, University of California at Berkeley.

Dennis Ogawa, PhD Speech 1969, University of California, Los Angeles. Professor, Department of American Studies, University of Hawaii.

PUBLICATIONS AND OTHER PRODUCTS

BOOKS

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CONFERENCE PAPERS AND PUBLIC PRESENTATIONS

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Chu, Godwin C., "Communication revolution and the prospects of world Chinese press." Keynote address delivered at the 1982 Annual Convention of World Chinese Press Association, November 20, 1982, Hong Kong. Published in World Chinese Press Association Journal, January 1983, p. 2.

Jussawalla, Meheroo, "Industrialization of space: A panacea for economic maladies?" A paper for the IIC Conference, Aruba, Netherlands Antilles, September 1983.

_____, "The promise of tomorrow's telecommunications technology and the global economy." Presented by invitation at the annual Conference of the International Institute of Communications, Aruba, Dutch Antilles, Netherlands, September 1983.

_____, "The race towards computerization: The Asian NICS." Presented at the EWCI Conference on Critical Issues in National Computerization Policy, August 1983.

Jussawalla, Meheroo, and Chee-Wah Cheah, "International trade and information: Some welfare implications." American Economic Association Annual Convention, December 1982. (Accepted for publication in AEA edited volume, North-Holland, Amsterdam.)

Kincaid, D. Lawrence, "Family planning continuance: New methods for communication research and intervention." Paper presented at Regional Meeting on Social and Cultural Factors Affecting the Acceptance, Continuance, and Discontinuance of Family Planning Practice, ESCAP, November 2-8, 1982, Pattaya, Thailand.

Lyle, Jack, "Telecommunications training: The East-West Center perspective." A report presented at the UNESCO Meeting of Training Institution Representatives, April 18-24, 1983, Paris, France.

Rahim, Syed A., "The information society concept and research: A view from outside." Conference on the Studies of Information Society and Informationalization Policies in Japan, America, and Europe. Institute for Communications Research, KEIO University, September 19-21, 1983, Tokyo, Japan.

Schramm, Wilbur, "The first years of television." Stanford University, Palo Alto, California, April 1983.

_____, "Communication in a new age." Address to International Comcon Conference, September 13, 1983, Tokyo, Japan.

_____, "A debt to AAPOR." Annual award address for AAPOR (American Association for Public Opinion Research), May 21, 1983, Buck Hill Falls, Pennsylvania.

_____, "The fourth age of communication." Keynote address to International Executive Seminar on Communications Technology and Policy, April 5, 1983, San Francisco, California.

_____, "The history of the future." Keynote address for International Seminar on Communication Technology and Policy, March 29, 1983, San Francisco.

_____, "Public opinion and communication." Presented at AAPOR (American Association for Public Opinion Research) on occasion of presentation of award, May 21, 1983, Buck Hill Falls, Pennsylvania.

_____, "Twenty years of research." Keynote address to National University of Seoul conference on 20th anniversary of Institute of Communication Research, August 31, 1983, Seoul, Korea.

MISCELLANEOUS

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Vollan, Clayton J., and Kenneth Tull, "Development communication in Nepal: Complementary effects of radio and field worker message transmission." May 1983.

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Annual Communication Seminar

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Audio-Visual Planning & Production Program

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Population & Development Reporting Workshop

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EFFECTS OF TELECOMMUNICATION SYSTEMS IN SOCIETY

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Social Impact of Rural Telephone Workshop

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Communication Faculty Seminar

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Critical Issues for National Computerization Policy

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Thai University Consortium Planning Meeting

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Culture Learning Institute

Gregory J. Trifonovitch, Acting Director

Recent years have been characterized by overwhelming growth in international and cross-cultural interactions. This is certain to continue with advances in communication, science and technology systems, and rapid increases in travel and the number of private and public sector organizations. Serious problems can occur when parties from different cultural and social systems interact, with unforeseen difficulties arising from prejudices and historical animosities among people of different ethnic and cultural backgrounds. Numerous misunderstandings between nations and individuals result from problems caused by increased momentum of interchange and technical modernization.

Rapid change resulting from increased cross-cultural contact is affecting the cultural stability and quality of life of individuals and societies. The Culture Learning Institute focuses its work on the role of culture in shaping interpersonal relations and social change. Our goal is to prepare well-informed and culturally aware agents of change who will be able to positively influence change processes. To accomplish its goal, the Culture Learning Institute has divided its work into four program areas: (1) Culture and the Arts; (2) Cultural Perceptions of Mental Health; (3) Culture and Interpersonal Interaction; and (4) Culture and Language.

Program Area 1--Culture and the Arts

Increased interchange and technical modernization directly affect the performing arts. These changes in the performing arts serve as visible indicators reflecting social and cultural change of the society. The objective of this program is to provide performing artists with the skills needed to become involved in these changes.

This program includes three projects: (1) research examining the presentation of arts in a cross-cultural context; (2) Hawaii International Film Festival; and (3) the performing arts series, as described below.

The Performing Arts Series. A special presentation of the Culture and the Arts program was a series of performances by the Bunraku troupe from Japan. The tour was arranged by the Japan Society of New York and presented free to the public in Hawaii by the cooperative efforts of the East-West Center, University of Hawaii Department of Drama and Theatre, and University of Hawaii College of Continuing Education. Two seminars were held as part of the four day program which included a demonstration of Bunraku techniques at each performance. Originally requested by CLI, the demonstration proved to be so popular with the audience that it was included in all performances given in New York and Boston.

A week-long Festival of India which included four lectures, three performances, a multi-media program, and an excellent exhibition of

artifacts and photos drew capacity audiences. The exhibit was later moved to the Federal Building in downtown Honolulu for a month. Another important activity was the production of an educational television program, "Gamelan Music of Java: An Introduction," which explains to lay audiences the structure of this intricate musical art, and its relationship to other Indonesian traditions. The program was aired twice on Hawaii Public Television, and arrangements are being made for national distribution. This program forms the basis of an ongoing research project, focusing on how to better present unfamiliar art forms in a cross-cultural environment. A questionnaire has been administered to several hundred subjects to survey and measure attitude changes; results are currently being analyzed.

In addition, three symposia were held. The most lengthy of these was the international meeting on Improvisation in the Performing Arts, a two-week event primarily focusing on multicultural consideration of oral literature, music, dance, and theatre. Eleven participant-performers of cultures of Asia, the Pacific, and North America collaborated in discussions and demonstrations of such topics as sociological dynamics and significance in determining and maintaining cultural styles; delineation among universal, cross-cultural, and culture-specific characteristics; processes of improvisation in real-time performance; and the diachronic development and change in traditions facilitated by rapid modernization, technology, and internal cultural change. A method was also proposed for describing the varying degrees and circumstances in which improvisation occurs. A detailed summary transcription of the proceedings has been prepared; publication of papers is planned.

Program Area 2--Cultural Perceptions of Mental Health

Rapid cultural changes and physical dislocation have caused many to become conscious of the role of culture and the need for information, knowledge, and skills which will help health professionals deal more effectively with adjustment problems.

The notion of mental health encompasses most aspects of daily life which contribute to personal and social well-being. Research in this area is concerned with the role of culture in shaping our understanding of well-being and illness, in affecting health-care decisions, and in influencing social interaction with health care providers. A particular focus of this team's work is the relation of traditional or popular beliefs to modern health care systems, which are often designed on the basis of Western cultural assumptions. Investigation of traditional medical systems and their "fit" with modern health care, will have policy implications for medical modernization in the East-West Center region.

Specific projects in this area include studies of: (1) the use of traditional East-Asian medicine and health promotion behavior among immigrant groups; (2) conversational interaction in cross-cultural clinical encounters; (3) research training program in culture and mental health; and (4) socio-cultural influences on adolescent suicide in Micronesia, described below.

Socio-Cultural Influences on Adolescent Suicide in Micronesia. This project focuses on the astonishingly high rates of adolescent suicide in some Trukese

and other Micronesian communities. The suicides appear to be a response to rapid change in those communities. This project is funded primarily by a three-year grant from the National Institute of Mental Health, and at the request and full cooperation of several Micronesian entities. At the end of this three-year project, we will have a data base and a set of social analyses that Micronesians can utilize in youth development projects and intervention efforts to decrease the adolescent suicide rate in Micronesia.

Program Area 3--Culture and Interpersonal Interaction

A basic element in all cross-cultural contact is the set of interpersonal relations people establish. The social scientists in this program focus on three important features of the cross-cultural contact experience: (1) ethnicity of the participants in the contact; (2) the contact situation as perceived by the participants; and (3) emotions, subjective experiences of pain, and methods of displaying emotion and pain during the contact.

To document research findings and information gathered in the project on contact situations, a workshop on the development and use of culture assimilators for cross-cultural training was held in August. The workshop focus was seen as unique and valuable to interested professionals from around the world. Thirty-three participants from nine Asian countries and the United States attended the workshop and financed their own participation. In addition, more than 40 other applicants were not able to participate due to space and time restrictions.

Program Area 4--Culture and Language

This research program currently is concentrated in two projects: (1) English as an international language; and (2) modernization and language development.

The first project is on English as a means of international communication, as differentiated from English as a second or foreign language. English is regarded not as the exclusive property of native speakers, but as one of several languages adopted around the world for international communication. The second project analyzes the demand of modernization on languages, as reflected in language use, language code, and planning and treatment of language. Particular attention is being given to: naming systems (e.g. general vocabulary, technical terms, nomenclature); development of written language (including literacy); and the growth of agencies that plan language and intervene in language use.

English as an International Language. The regional problem studied in this project is cross-cultural miscommunication when English is used in international contexts. The project explores causes of misunderstanding (i.e., low intelligibility, differences in the way information is presented, cultural and values differences, or a combination of these) and suggests ways to cope with these problems.

Different varieties of English as well as the functions of English in international settings are being analyzed. Materials are being prepared and techniques developed which will sensitize people to various native and

non-native varieties of English used around the world. These materials and techniques will also help people to anticipate communication problems and to develop skills to maximize correct interpretations in cross-cultural interactions.

The research objective is to discover how patterns of discourse differ across cultures even when English is the common language in an international context. English is the most commonly used language across cultures in the Asian/Pacific region. Although there have been many cross-cultural studies involving language and culture, this is the first time that the structure of discourse has been seriously studied.

Tentative research findings indicate that discourse patterns in English across cultures are not the same as discourse patterns by nationals of the same country, even when English is being used. This, of course, has direct implications on the use of English and international cross-cultural understanding.

Some key participants in this project were: Braj B. Kachru (India/U.S.), professor of linguistics, University of Illinois; Andrew Gonzales (Philippines), president and professor of languages and linguistics, De La Salle University; and Christopher N. Candlin (United Kingdom), professor, University of Lancaster, currently visiting professor, Department of ESL, University of Hawaii.

Modernization and Language Development. This project has begun to formulate core analytical issues that define the study of language development. Emphasis is on planning of languages with sufficient scientific/technical capacity to meet demands of developing Asian/Pacific nations. The project has identified problems that require planning attention, and has initiated study of language planning agencies. Research and conference planning meetings and the "Linguistic Modernization and Language Planning in Chinese-Speaking Communities" conference were sponsored by the project. Those FY83 activities identified issues which will be further developed during FY84 in cooperation with other regional institutions.

Some key participants in this project were: D.P. Pattanayak (Mysore, India), director, Central Institute of Indian Languages; Zhou Yonguang (Beijing, China), Committee for the Reform of the Chinese Written Language; Hoang Tue (Hanoi, Vietnam), director, Institute of Linguistics, State Committee for the Social Sciences; and Chang Kai Yau (Jakarta), secretary-general, Association of Southeast Asian Nations secretariat.

CULTURE LEARNING INSTITUTE

Staff

Acting Director

Gregory Trifonovitch, MA Linguistics, University of Hawaii, 1975. Twenty years experience as an educator in the Pacific and the Middle East. From 1963-67 was education consultant and administrator for teaching English as a second language in the Trust Territory of the Pacific. Research interests: cross-cultural administration, international conferences and oral literature.

Research Associates

Jerry Boucher, PhD Psychology, University of California, San Francisco, 1971. Joined CLI in December, 1973. From 1971-73, was assistant research psychologist, University of California, on assignment to the Institute for Medical Research, Kuala Lumpur, Malaysia. Research interests: the individual in cross-cultural interaction, with emphasis upon the cultural and biological substrates of emotional behavior.

Richard Brislin, PhD Psychology, Pennsylvania State University, 1969. A social psychologist who has worked in Micronesia and Washington, D.C., is the co-author of the book Cross-Cultural Research Methods (1973) author of Cross-Cultural Encounters (1981), and coordinator of work done at the East-West Center which led to the Handbook of Cross-Cultural Psychology (1980). He has been the United States representative to the Executive Board of the International Association for Cross-Cultural Psychology (1974-75). Research interests: influences of culture on the definition of social situations in cross-national interactions, benefits stemming from cross-cultural interactions, and adjustment to life in cultures other than one's own.

Björn H. Jernudd, PhD General Linguistics, Umeå⁰ University, Sweden, 1972. Diploma, Stockholm School of Economics, 1966. Was Senior Lecturer in Linguistics at Monash University, Melbourne 1966-74; Senior Fellow in the former Institute of Advanced Projects, EWC, 1968-69; Project Specialist, Ford Foundation Cairo Field Office, 1974-76; and Consultant, CLI, 1976-77. Research interests: establishment of networks and information exchanges between individuals and organizations in language planning, and development of theory and models in language planning, particularly to deal with international language problems and development.

Larry E. Smith, MA TESL, University of Hawaii, 1969. Joined CLI in 1971 after having worked as a curriculum planner in reading at the Hawaii Curriculum Center. From 1963-67 taught in Thailand and traveled throughout Asia. Presently responsible for the Institute's project on English as an International Language. Current research interests: analysis of discourse of different varieties of English; functions of English in international settings; communication strategies and materials development for English as an International Language.

Geoffrey White, PhD Anthropology, University of California, San Diego, 1978. Held Foreign Area Fellowship from Social Science Research Council for research in the Solomon Islands, 1974-76. Received Stirling Award in Culture and Personality Studies, 1977. Research interests: cultural perspectives on social interaction, identity and change; health as a cultural system, and Pacific societies.

David Wu, PhD Anthropology, Australian National University, 1974. Formerly staff member of the Institute of Ethnology, Academia Sinica, Taiwan. Author of studies on immigrant adaptation, ethnic relation in Asian and Pacific countries, and the Chinese overseas. Honorary Fellow, Academia Sinica. Research interests: ethnicity and cross-cultural interaction, culture and mental health, and Chinese culture and child socialization.

Educational Specialist

William Feltz, MA Music, University of Hawaii, 1970. Is an ethnomusicologist who joined CLI in 1972. Research interests: performing arts of Japan, Korea, and Oceania.

Richard Via. In professional theatre for 23 years as actor, stage manager, and director. Spent four-and-a-half years in Japan as a Fulbright Lecturer and on a grant from the JDR Third Fund. Served as researcher and advisor to the English Language Education Council in Tokyo, and as consultant to Encyclopedia Britannica. Was Assistant Professor in Department of English as a Second Language, University of Hawaii. Research interests: the use of drama techniques for language acquisition. Coordinator of Cultural Manifestation (Performing Arts) Series.

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Vol. 9, no. 1/2, May 1983, 16 pp. "Formalized transmission of culture," by Ricardo Trimillos; "International film conference: A summary," by Victor Kobayashi; "International film festival a success."

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This quarterly newsletter carries original articles, reviews, and other items of information dealing with the field of language planning.

Vol. 8, no. 4, November 1982, 8 pp. "Language planning as a focus for language correction," by Björn H. Jernudd.

Vol. 9, no. 1, February 1983, 8 pp. "Language planning in the judicial system: A look at the implementation of the U.S. Court Interpreters Act," by Etilvia Arjona.

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Management Science, January 10, 1983, Honolulu.

_____, "The dead speak to the living: Cross-cultural implications."
Pan-Pacific and Southeast Asian Women's Association, October 28, 1982,
Honolulu.

_____, "The dead speak to the living: Culture learning." Honolulu
Rotary, January 7, 1983.

_____, "Deep and surface structure of culture." Japanese-American
Institute of Management Science, March 24, 1983, Honolulu.

_____, "Language and culture." Graduate students, University of Hawaii
Department of Pacific and Asian Studies, September 22, 1983, University
of Hawaii.

- _____, "On the notion of culture." Lanakila Rehabilitation Center, January 24, 1983, Honolulu.
- _____, "On the notion of culture learning." National Taiwan Normal University, July 20, 1983, Taipei, Taiwan.
- _____, "Philosophy and techniques of cross-cultural orientation programs." November 30, 1982, East-West Center.
- _____, Series of lectures at the Administration Staff College, November 3-5, 1982, Mt. Eliza, Victoria, Australia. Topics included cross-cultural communication, business, and administration.
- _____, Three lectures on culture learning to graduate students of the University of the East, February 22, 1983, Makaha, Hawaii.
- Trimillos, Ricardo D., "American popular music as social indicator and commercial enterprise." University of Hawaii, Music Department, February 1, 1983.
- _____, "Musical and social aspects of the Pasyon Binvagan in Pampanga, Philippines." Asian Institute for Liturgy and Music, April 12, 1983, Manila.
- _____, "The Pasyon Tagalog as social process and in social distancing." Filipino Cultural Forum, January 8, 1983, Honolulu.
- _____, "The performing arts and ethnic or national identity in the Third World." Asian Institute for Liturgy and Music, March 10, 1983, Manila.
- Via, Richard A., "Drama and language learning." Model Language Studio, August 22-26, 1983, Tokyo.
- _____. "Drama techniques for teaching English." Language Institute of Japan, August 7-13, 1983, Odawara, Japan.
- _____, "Improvisation for language learning." Symposium on Improvisation in the Performing Arts, July 12, 1983, East-West Center.
- White, Geoffrey M., "Reflections on a Solomon Islands society." Culture Learning Institute Director's Seminar, September 23, 1983.
- Wu, David Y.H., "Anthropological study in mental health: Research on child rearing in the United States." Mental Health Research Institute, Beijing Medical College, September 10, 1982, Beijing.
- _____, "Applied anthropology in mental health research." Department of Anthropology, National Taiwan University, March 15, 1983, Taipei.
- _____, "China: Views and impressions." Slide show on life and health care. Public lecture at Culture Learning Institute, East-West Center, October 19, 1982.

_____, "Health promotion behavior among Chinese and Japanese immigrants in Hawaii." Department of Health, State of Hawaii, November 1982, Honolulu.

_____, "Mental health and medical anthropology in the United States." Shanghai Mental Health Institute, September 28, 1982, Shanghai.

_____, "Recent work in psychological anthropology." Institute of Psychology, the Chinese Academy of Sciences, September 14, 1982, Beijing.

MISCELLANEOUS

Bethel, Diane, Angel A.O. Lai, Y. Scott Matsumoto, and David Y.H. Wu, "Community health directory of Chinese and Japanese informal organizations," March 1983. 170 pp.

Connor, Linda, Timothy Asch, and Patsy Asch, "Jero on Jero," "The medium is the masseuse," and "Stories from the life of a Balinese healer." Three ethnographic films available through Documentary Educational Films, Watertown, Massachusetts, January 1983.

Connor, Linda A., and Nick Higginbotham, "A sociocultural perspective on rural health development." Working Paper, July 1983. 45 pp.

Dinges, N., G. Fontaine, and R. Brislin, "Overseas duty support program functions at the Human Resource Management Center." Institute of Behavioral Sciences, Honolulu, 1982. 100 pp.

Rubinstein, Donald, and Geoffrey White, "Working bibliography on culture and mental health in the Pacific Islands." Working Paper, September 1983. vi, 83 pp.

PROJECT PARTICIPANTS

NEW TOOLS FOR EDUCATION IN INTERNATIONAL UNDERSTANDING

Participant

Christopher Jones, Senior Partner, Man and Design, Honolulu, Hawaii

CULTURE AND INTERPERSONAL INTERACTION

Fellows

Neal R. Goodman, Director & Professor of Sociology, Saint Peter's College, Jersey City, New Jersey

George M. Guthrie, Professor of Psychology, The Pennsylvania State University, University Park, Pennsylvania

Dan Landis, Professor & Chairman, Department of Psychology, Purdue University, Indianapolis, Indiana

Amarjit Singh, Associate Professor, Department of Educational Foundations, Memorial University, St John's, Newfoundland, Canada

Research & Professional Interns

Peter Edward Campos, Graduate Student, Department of Psychology, University of Hawaii, Honolulu, Hawaii

Kyum-koo Chon, Research Intern, Students Counseling Center, Sung Kyun Kwan University, Seoul, Republic of Korea

Bang Hyun Kang, Instructor/Researcher/Project Leader, Hanyang University, Seoul, Republic of Korea

Sheryl Shizuko Osato, Graduate Student, Department of Psychology, University of Hawaii, Honolulu, Hawaii

Rogelia Pe-Pua, Executive Director/Training Director, Philippine Psychology Research & Training House, Manila, Philippines

Lanette Shizuru, Graduate Student, Department of Psychology, University of Hawaii, Honolulu, Hawaii

Joint Doctoral Research Interns

Lanette Shizuru, Hawaii, Psychology

Suwanna Wongwaisayawan, Thailand, Philosophy

Students

Michelle Carmel Barker, Australia, MSW, Social Work

Craig Robert Cherrie, New Zealand, MLS, Library Studies

Christopher Peter Deegan, Hawaii, PhD, History

Wariya Siwasariyanon Chirwanno, Thailand, PhD, American Studies

Seiko Furuhashi, Japan, MEd, Educational Foundations

Susan Beth Goldstein, United States, PhD, Psychology

Rufa Trumpeta Cagoco Guiam, Philippines, PhD, Anthropology

Lisa Hazel Elizabeth Hancock, United States, MEd, Counseling & Guidance

Jillian Inouye, Hawaii, PhD, Psychology

Daniel Kai-Yiu Leung, Hong Kong, MSW, Social Work

Bobbie Oldershaw Nelson, Hawaii, MA, Psychology

Edward Stewart Orchant, Washington, D.C., MA, Asian Studies

Arwin Rasjid, Indonesia, MA, Economics (also worked with Dr. Sung Hwan Jo, CW Research Associate)

Laura Souder-Jaffery, Guam, PhD, American Studies

Gerard Sullivan, Australia, PhD, Sociology

Participant

Hiromi Hara, Specialist, Consulting Associates, Tokyo, Japan

Fourth Annual Intercultural Workshop

Participants

Gilbert G. Abellera, Vice-President, Rizal Memorial Colleges, Davao City, Philippines

Nelly Enriquez Alabanza, Executive Director, Benguetcorp Foundation Inc., Baguio City, Philippines

Enrico E. Alejo, Program Coordinator, Division of Cross-Cultural Orientation, Philippine Psychology Research & Training House, Quezon City, Philippines

Ehsan Bin Haji Ali, Teacher, Singapore American School, Singapore

Wira Bambroongraks, Director of Research and Planning Division, Office of National Culture Commission, Ministry of Education, Bangkok, Thailand

Milagros Castillo-Espina, Dean, Colegio de San Jose-Recoletos, Cebu, Philippines

Gloria Wan-ching Chu, Manager for Editing & Screening, Council for Cultural Planning & Development, Taipei, Taiwan

JoAnn M. Craig, Associate Program Director, Overseas Training Program, San Francisco State University, San Francisco, California

LaNell Crownhart, Manager, International Student Services, Auraria Higher Education Center, Denver, Colorado

Lynette Toni Dowd, Sister, Armidale & New England Hospital, Armidale, Australia

Anne-Katrin Eckermann, Researcher, Center for Multicultural Students, Armidale College of Advanced Education, Armidale, Australia

Jayne G. Garside, Clinical Psychologist/Professor, Brigham Young University-Hawaii, Laie, California

Katsuya Higuchi, Assistant Professor, Sakura No Seibo Junior College, Fukushima, Japan

Naomi Horoiwa, Research Associate, Japan Institute of Psychotherapy, Tokyo, Japan

Lois Johnston, Teacher, American-Indonesian Information Center, Medan, Indonesia

Edna A. Leonard, Coordinator/Counselor, Berkeley, California

David L Malmad, Anaheim, California

John Michalski, Instructor, Leeward Community College, Pearl City, Hawaii

Karin Millett-Sorenson, Director of International Education, University of Denver, Denver, Colorado

Yasuko Minoura, Associate Professor, Faculty of Letters, Okayama University, Okayama, Japan

Mary Jean Moseley, Director, Division of Intercultural Studies, Fort Lewis College, Durango, Colorado

Donna J. Mott, Reading Resource, Fairfax County Schools, Centreville, Virginia

Beverley Nance, Melbourne, Victoria, Australia

Yoshiko Nishimura, Study Abroad Adviser, International Center, Keio University, Tokyo, Japan

Fujiko Otani, Librarian, Audio Visual Coordinator, Canadian Academy, Kobe, Japan

Carmen Pearson, Community Development Extension Agent, University of Guam, Mangilao, Guam

Audrey Putney, Student Services Advisor, International English Center, University of Colorado, Boulder, Colorado

Barbara D. Steffen, President, International Student Advisory Service Inc, Washington, D.C.

Kathleen M. Sutcliffe, Health Director, Aleutian/Pribilof Islands Association, Anchorage, Alaska

Sumikazu Taguchi, Foreign Student Advisor, Nagoya University, Nagoya, Japan

Ra-ngab Vadhanasingha, Director, Cultural Promotion & Dissemination Division, Office of the National Culture Committee, Bangkok, Thailand

Lennette D. Wood, Trainer, Menlo Park, California

Masaaki Zenki, Assistant General Manager, Education Department, Nippon Kokan K.K., Tokyo, Japan

CULTURE & LANGUAGE

Fellows

Richard B. Baldauf Jr., Senior Lecturer in Education, James Cook University of North Queensland, Queensland, Australia

Paul William Brennan, Executive Director, Hawaii Multi-Cultural Center, Honolulu, Hawaii

Alejandro J. Casambre, Professor, Department of Speech and Drama, University of the Philippines, Quezon City, Philippines

Nelia G. Casambre, Professor, Department of Language Teaching, University of the Philippines, Quezon City, Philippines

Kai Dramer, Research Fellow, Institute of Philosophy/East Asian Institute, University of Oslo, Oslo, Norway

Braj B. Kachru, Professor, Department of Linguistics, University of Illinois, Urbana, Illinois

Hazel Vern Kraemer, Professor Emeritus/Associate Dean Emeritus, University of Hawaii, Honolulu, Hawaii

Ellen Rafferty, Assistant Professor, Department of South Asian Studies,
University of Wisconsin, Madison, Wisconsin

Research & Professional Interns

Martin Rayner Combs, Degree Student/Translation Consultant, University
of Hawaii, Honolulu, Hawaii

Seok Hoon Seng, Lecturer, Institute of Education, Singapore

Je J. Jhung, Graduate Student, University of Hawaii, Honolulu, Hawaii

A. Monsur M. Abu Musa, Assistant Professor, Department of Bengali, University
of Dacca, Dacca, Bangladesh

Students

Phyllis Ghim Lian Chew, Singapore, MA, ESL (English as a Second Language)

Liem Hieu Do, Hawaii, JD, Law (also worked with Dr. Choon Ho Park, RSI and
Dr. Jon Van Dyke, EAPI)

Michael Carter Ewing, California, MA, ESL (English as a Second Language)

Sooi Chew Theresa Heng, Malaysia, MA, English

Philip Veryan Hull, New Zealand, MA, ESL (English as a Second Language)

Pamela Margaret McCall, Australia, MA, Asian Studies

Thomas Howard Nash, United States, MA, ESL (English as a Second Language)

Amara Bhamoraput Prasithrathsint, Thailand, PhD, Linguistics

Nittaya Saowrumnee, New Zealand, PhD, Linguistics

Shuhung Shen, People's Republic of China, MA, ESL (English as a Second
Language)

Leung-ki Siu, Taiwan, PhD, American Studies

Jayadeva Uyangoda, Sri Lanka, PhD, Political Science

Mary Jennifer Wagner, Minnesota, MA, ESL (English as a Second Language)

Yi An Wu, People's Republic of China, MA, ESL (English as a Second Language)

Participant

Bernadita Dungca, Instructor, University of Guam, Mangilao, Guam

EIL: Discourse Patterns Across Cultures

Participants

Michael George Clyne, Professor, Department of German, Monash University, Clayton, Victoria, Australia

Andrew Gonzalez, President, De La Salle University, Manila, Philippines

Yamuna Kachru, Professor, Department of Linguistics, University of Illinois, Urbana, Illinois

Virginia Locastro, Manager, Simul Academy, Tokyo, Japan

Rajagopal Parthasarathy, Visiting Professor, University of Texas, Austin, Texas

Mayuri Sukwiat, Consultant, English Section, Sikhothai Thammathirat Open University, Bangkok, Thailand

George Yule, Professor Department of Linguistics, University of Minnesota, Minneapolis, Minnesota

EIL: Issues & Implications

Participants

Hazadiah Mohammed Dahan, Coordinator of the English Department, Mara Institute of Technology, Selangor, Malaysia

Anton G. Hilman, Manager, Language Department, Institute for Management Education and Development (LPPM), Jakarta, Indonesia

Patrick Joseph Hogan, Assistant Professor of Linguistics, Divine Word College, Epworth, Iowa

Kalwin Kephas, Language Arts Specialist, Department of Education, Lelu, Kosrae, Federated States of Micronesia

Gloria Kismadi, Dean of Studies, Perhimpunan Persahabatan Indonesia-Amerika, Jakarta, Indonesia

Tolenna Langu, Teacher, Department of Education, Lelu, Kosrae, Federated States of Micronesia

Fastino Likia, Teacher, Department of Education, Lelu, Kosrae, Federated States of Micronesia

K.I. Madhusudanarao, Lecturer in English, Nagarjuna University, Nagarjunanagar, India

Naomi Mobel, Teacher, Education Department, Koror, Republic of Belau

Basilia Ringang, Educational Specialist, English Language Program, Education Department, Koror, Republic of Belau

Miriam Sakuma, Teacher, Elementary Education, Koror, Republic of Belau

Bang-Orn Savangvarorose, Associate Professor, Language Institute, Chulalongkorn University, Bangkok, Thailand

Mary Stewart, Lecturer, Hong Kong Baptist College, Kowloon, Hong Kong

Benhart Thomas, Teacher, Palau Bureau of Education, Koror, Republic of Belau

Leslie Tong, Chairman, Department of Language Education, National Taiwan College of Education, Changhua City, Taiwan

Rosa Ueki, Teacher, Education Department of Palau, Koror, Republic of Belau

Keti William, Education Specialist, Kosrae Education Department, Inkoeya, Tafunsak, Federated States of Micronesia

Zhi-pei Zhou, Dean/Associate Professor, Foreign Language Department, Xinxiang Teachers College, Xinxiang, People's Republic of China

Linguistic Modernization and Language Planning in Chinese-Speaking Communities

Participants

Lay Guat Ang, Deputy Director, Project on Chinese Language Materials, Curriculum Development Institute of Singapore, Singapore

Soon Wan Bang, Specialist Writer, Chinese Language Materials, Curriculum Development Institute of Singapore, Singapore

Dayle Barnes, Professor, East Asian Languages & Literature, University of Pittsburgh, Pittsburgh, Pennsylvania

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Chung-yu Chen, Senior Research Fellow, Chinese Language & Research Center, National University of Singapore, Singapore

Hsiu-ying Chen, Associate Professor, Taiwan Normal University, Taipei, Taiwan

Yane-hao Chen, English Instructor, Chung Hsing University, Taichung, Taiwan

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Sheng-Ping Fang, Associate Professor, Department of Chinese Literature & Linguistics, National Tsing Hua University, Hsingchu, Taiwan

Maoji Fu, Professor & Department Director, Institute of Nationality Studies, Chinese Academy of Social Sciences, Beijing, People's Republic of China

William Grabe, Professor, American Language Institute, University of Southern California, Los Angeles, California

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Beverly Hong-Fincher, Professor, Faculty of Asian Studies, The Australian National University, Canberra, Australia

Guo-ying Huang, Professor, Institute of Chinese Linguistics, Huazhong Institute of Science & Technology, Wuhan, Hubei, People's Republic of China

Shuanfan Huang, Professor, Department of Foreign Language & Literature, National Taiwan University, Taipei, Taiwan

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Tsaifeng Mazie Lee, Assistant Professor, Department of Asian & Slavic Languages, Brigham Young University, Provo, Utah

David Chen-ching Li, Associate Professor & Director, Mandarin Training Center, National Taiwan Normal University, Taipei, Taiwan

Ming Liu, Director, Asia-Yale-in-China Chinese Language Center, Chinese University of Hong Kong, Shatin, New Territories, Hong Kong

Yongquan Liu, Deputy Director, Institute of Linguistics, Chinese Academy of Social Sciences, Beijing, People's Republic of China

Jiri V. Neustupny, Professor of Japanese, Department of Japanese, Monash University, Clayton, Victoria, Australia

D.P. Pattanayak, Director, Central Institute of Indian Languages, Manasagangothri, Mysore, India

Mun-Kwong Phoon, Specialist Inspector/Chinese, Ministry of Education, Singapore

John S. Rohsenow, Assistant Professor of Linguistics, University of Illinois, Chicago, Illinois

Su-O L. Tien, Assistant Professor, Department of Linguistics, Michigan State University, East Lansing, Michigan

Mau-feng Tsai, Chairman, Department of Eastern Languages, Soochow University, Taipei, Taiwan

Feng-Fu Frederic Ts'ao, Lecturer in Chinese Language, University of Hong Kong, Hong Kong

John Kwock-Ping Tse, Associate Professor, Department of English, National Taiwan Normal University, Taipei, Taiwan

Benjamin K. T'sou, Professor, Chinese Studies, Murdoch University, Perth, Australia

Ovid J. L. Tzeng, Advisor, Psychology, University of California, Riverside, California

Youguang Zhou, Professor, Committee for the Reform of the Chinese Written Language, Beijing, People's Republic of China

Modernization & Language Development: Planning Cooperative Research

Participants

E. Annamalai, Professor-cum-Deputy Director, Central Institute of Indian Languages, Mysore, India

David Cressy, Visiting Associate Professor, Humanities Department, Scripps College, The Claremont Colleges, Claremont, California

Terence Michael Crowley, Coordinator, Language Studies, University of the South Pacific, Port Vila, Vanuatu

Patrick Hohepa, Senior Lecturer, Department of Maori Studies, University of Auckland, Auckland, New Zealand

Robert Kaplan, Professor, Department of Linguistics, University of Southern California, Los Angeles, California

John Dominic Lynch, Professor of Language, University of Papua New Guinea, Port Moresby, Papua New Guinea

Francis Mangubhai, Director, The University of the South Pacific, Suva, Fiji

Anton M. Moeliono, Professor, National Language Institute, Jakarta, Indonesia

Jiri V. Neustupny, Professor of Japanese, Monash University, Clayton, Victoria, Australia

Debi Prasanna Pattanayak, Director, Central Institute of Indian Languages, Mysore, India

Bonifacio P. Sibayan, Professor Emeritus of Linguistics & Education, Philippine Normal College, Manila, Philippines

Donald M. Topping, Director & Professor, Social Science Research Institute, University of Hawaii, Honolulu, Hawaii

Hoang Tue, Director, Institute of Linguistics, State Committee for Social Sciences, Hanoi, Socialist Republic of Vietnam

Robert A. Underwood, Chairman, Chamorro Language Commission, University of Guam, Mangilao, Guam

Youguang Zhou, Professor, Committee for the Reform of the Chinese Written Language, Beijing, People's Republic of China

CULTURE AND THE ARTS

Fellows

Thomas Edward Jackson, Honolulu, Hawaii

Frank A. Tillmann, Professor of Philosophy, Hawaii Loa College, Kaneohe, Hawaii

Ricardo Diosdado Trimillos, Professor, Department of Music, University of Hawaii, Honolulu, Hawaii

Research & Professional Interns

Clark Edward Anderson, Graduate Student, Public & International Affairs, Princeton University, Princeton, New Jersey

Kumiko Makiyara, Former Degree Participant, EWCLI, University of Hawaii, Honolulu, Hawaii

Nancy Kathleen Nanney, Former Degree Participant, OG, University of Hawaii, Honolulu, Hawaii

Ruth Oh, Graduate Student, Department of Music, University of Hawaii,
Honolulu, Hawaii

Ruth Llewellyn Vasey, Research Intern, Culture Learning Inst, East-West
Center, Honolulu, Hawaii

Arfa Sayeda Zehra, Assistant Professor, Lahore College for Women,
Lahore, Pakistan

Students

Yu-jo Grace Chou, Taiwan, MA, Drama & Theatre

David Michael Lockett, Hawaii, PhD, Philosophy

Kumiko Makihara, Japan, MA, American Studies

Janet Christina Pillai, Malaysia, MA, Drama & Theatre

Jung Soon Shim, Republic of Korea, PhD, American Studies

Hye-Sun Yang, Republic of Korea, MA, American Studies

Christine Reiko Yano, Hawaii, MA, Music

Participants

Byron Moon, Lecturer, Honolulu Community College, Honolulu, Hawaii

Ellen Umlauf, Filmmaker, Mana Productions, Honolulu, Hawaii

Ruth Llewellyn Vasey, Research Assistant, University of New South
Wales, East Lindfield, Australia

International Film Festival

Participants

Lino Brocka, Movie Director, Experimental Cinema of the Philippines,
Manila, Philippines

Chidananda Dasgupta, Film Critic, U.S. Information Services, New Delhi,
India

Peter Duus, Professor of History, Stanford University, Stanford,
California

Alfred Guzzetti, Professor of Cinema, Harvard University, Cambridge,
Massachusetts

Jesse Kalin, Professor of Philosophy, Vassar College, Poughkeepsie, New
York

Bruce Kawin, Professor of English, University of Colorado, Boulder, Colorado

Gerald Mast, Professor of English, University of Chicago, Chicago, Illinois

Donald Richie, Writer and Critic, Tokyo, Japan

Robert Rosenstone, Professor of History, California Institute of Technology, Pasadena, California

Tadao Sato, Chairman, Japan Pen Film Club, Tokyo, Japan

Aparna Sen, Independent Film Maker, Calcutta, India

Symposium on Improvisation

Participants

Usopay Cadar, Professor, University of Washington, Seattle, Washington

Adrienne Kaeppler, Curator, Oceanic Collection, Smithsonian Institution, Washington, D.C.

Gayathri Rajapur Kassebaum, Music Department, University of Hawaii, Honolulu, Hawaii

Raymond Kennedy, Professor, John Jay School, CUNY, New York

Hardja Susilo, Professor, Music Department, University of Hawaii, Honolulu, Hawaii

Ngahua Te Awekotuku, Professor, Department of Anthropology, University of Waikato, Hamilton, New Zealand

Pearl Williams-Jones, Professor, Black Studies Program, University of the District of Columbia, Washington, D.C.

CULTURE CONTEXT OF HEALTH

Fellows

Linda Helen Connor, Post-Doctoral Fellow, Medical Anthropology Program, University of California, San Francisco, California

Francis Xavier Hezel, Director, Micronesian Seminar, Ponape, Federated States of Micronesia

Howard Nichlos Higginbotham, Lecturer, Department of Psychology, Waikato University, Hamilton, New Zealand

Shin-pyo Kang, Professor & Chairman, Department of Cultural Anthropology,
Hanyang University, Kyunggi-do, Republic of Korea

Donald Howard Rubinstein, Former Degree Participant, EWC, Hawaii

Rudy Salan, Head, Subdirector of Program Development, Directorate of
Mental Health, Jakarta, Indonesia

Joseph Jay Tobin, Director, East-Asian Center, Friends World College,
Kyoto, Japan

Karen Watson-Gegeo, Associate Professor, School of Education, Harvard
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Research & Professional Interns

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Students

David Wallace Akin, United States, MA, Anthropology

Diana Lynn Kumiko Bethel, United States, MA, Anthropology

Alex Bello Brillantes, Philippines, PhD, Political Science

Maura Mechaet Gordon, Guam, MEd, Counseling & Guidance

Joyce Deborah Kahane, Hawaii, PhD, Anthropology

Nancy Carol Knapp, Hawaii, PhD, Anthropology

Chaiyarit Krishna, Thailand, MPH, Public Health

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Donald Howard Rubinstein, Hawaii, MPH, Public Health

Carol Skowron, Ohio, MA, Geography

Chung Hee Soh, Republic of Korea, PhD, Anthropology

In Soo Son, Japan, MA, Anthropology

Anya Spielberg, Hawaii, MPH, Public Health

Eriko Yamamoto, Japan, PhD, American Studies

Participants

Lawrence Foanaota, Director, Solomon Islands Museum, Solomon Islands

David W. Gegeo, M.S. Candidate, Public Communication, Boston University,
Boston, Massachusetts

Research Training in Culture and Mental Health for the Pacific Basin
Areas

Participants

Masahiro Asai, Instructor, Department of Neuropsychiatry, Keio University,
Tokyo, Japan

Hwan-Il Chang, Associate Professor, Department of Neuropsychiatry, Kyung Hee
University Hospital, Seoul, Republic of Korea

Mo-tao Ho, Associate Professor & Associate Chairman, Department Psychiatry,
Sichuan Medical College, Chengdu, Sichuan Province, People's Republic of
China

Frederick Leong, Research Assistant, Counseling Center, University of
Maryland, College Park, Maryland

Jieqiu Liu, Attending Psychiatrist, Epidemiology Section, Shanghai
Institute of Mental Health, Shanghai, People's Republic of China

Luh Ketut Suryani, Lecturer in Psychiatry, Udayana University, Denpasar
Bali, Indonesia

Pismai Wibulswasdi, Chairperson, Department of Psychology, Chiang Mai
University, Chiang Mai, Thailand

Japanese Culture & Mental Health Conference

Participants

Takeo Doi, Director, National Institute of Mental Health, Chiba, Japan

Keisuke Ebata, Research Staff, Division of Social Psychiatry, Psychiatric
Research Institute of Tokyo, Tokyo, Japan

Jing Hsu, Associate Professor, Department of Psychiatry, University of
Hawaii, Honolulu, Hawaii

Yoshiko Ikeda, Director, Division of Child Mental Health, Japanese National
Institute of Mental Health, Chiba, Japan

Masaaki Kato, Professor Emeritus of Psychiatry, Tokyo Medical College,
Tokyo, Japan

Bin Kimura, Chairman & Professor, Department of Neuropsychiatry, Nagoya City
University Hospital, Nagoya, Japan

Hiroshi Kondo, Advisory Consultant, Consulting Associates Co., Tokyo, Japan

Takie Sugiyama Lebra, Professor, Department of Anthropology, University of Hawaii, Honolulu, Hawaii

William P. Lebra, Professor, Department of Anthropology, University of Hawaii, Honolulu, Hawaii

Yasuko Minoura, Assistant Professor in Social Psychology, Okayama University, Okayama, Japan

Kenji Murase, Professor, Department of Social Work Education, San Francisco State University, San Francisco, California

Franklin Odo, Director, Ethnic Studies Program, University of Hawaii, Honolulu, Hawaii

Yuji Sasaki, Director, Tokyo Metropolitan Mental Health Center, Tokyo, Japan

Yohko Shibata, Professor, Neuropsychiatry/Dean, School of Medicine, Toho University, Tokyo, Japan

Takao Sofue, Professor of Psychological Anthropology, National Museum of Ethnology, Osaka, Japan

Kyoichi Sonoda, Professor & Head, Department of Health Sociology, The University of Tokyo, Tokyo, Japan

Victoria M. Stoddard, Clinical Psychology Intern, Straub Clinic and Hospital, Honolulu, Hawaii

Paul Takagi, Professor, Department of Education, University of California, Berkeley, California

Ryo Takahashi, Professor & Chairman, Tokyo Medical & Dental University, Tokyo, Japan

William T. Tsushima, Clinical Psychologist, Straub Clinic and Hospital, Honolulu, Hawaii

Hiroshi Wagatsuma, Professor, Institute of Socio-Economic Planning, The University of Tsukuba, Ibaraki, Japan

Joe Yamamoto, Professor of Psychiatry, University of California, Los Angeles, California

Taeko Yazaki, Lecturer, Health Service Center, Tokyo Medical & Dental University, Tokyo, Japan

Kazuya Yoshimatsu, Researcher, Head Division of Social Psychiatry, Psychiatric Research Institute of Tokyo, Tokyo, Japan

Mental Health Counselors Training Program I

Participants

Ray Aromin, Psychiatric Social Worker, Guam Community Mental Health Center, Agana, Guam

Deniong Jack, Staff, Medex, Kolonia, Ponape, Federated Micronesia

Aratha Nathan, Director of Hypertension Program, Medex, Marshall Islands Government, Majuro, Majuro, Marshall Islands

Siegfrid Rain, Medex, Department of Public Health, Moen, Truk, Federated Micronesia

Hosei Sogruy, Director of Health Services for Yap Outer Islands, Ulithi, Yap, Federated Micronesia

Petelo Visessio, Department of Health, LBJ General Hospital, Pago Pago, American Samoa

Mental Health Counselors Training Program II

Participants

Urbano Crisostimo Babauta, Mental Health Counselor, Dr. Torres Hospital, Saipan, Northern Marianas

Charlie Faimau, Mental Health Counselor, Office of the Director of Health Services, Yap, Federated States of Micronesia

William Sana, Mental Health Counselor, Truk Hospital, Truk, Federated States of Micronesia

Letumu Talavega, Mental Health Counselor, LBJ Tropical Medical Center, Pago Pago, American Samoa

Josepha Tiobech, Staff Nurse II, Office of the Director of the Bureau of Health Services, Koror, Republic of Belau

Morris Tommy, Mental Health Counselor, Armer Ishoda Memorial Hospital, Majuro, Marshall Islands

Humanities Forum

Research & Professional Interns

Mr. Kenneth W. Eastman, Unspecified, California

Environment and Policy Institute

William H. Matthews, Director

Our dependence on the natural environment, coupled with the realization that use of the environment for one purpose can have consequences for other uses, is a critical issue for those concerned with economic development, sustained productivity, and environmental quality. Through interdisciplinary and multinational programs of research, study, and training, the Environment and Policy Institute (EAPI) works to identify alternatives available to decision makers and policymakers and to assess environmental implications of choices they make.

EAPI research teams focus on: (1) understanding how physical, biological, and ecological processes and factors respond to and transmit effects of human activities; (2) studying how people and social systems interact with natural systems to the benefit or detriment of both; (3) relating the broad and diverse range of national and transnational perspectives, interests, and practices to management of natural systems; (4) expanding conventional economic benefit-cost analysis to insure that intersectorial and intergenerational elements are carefully considered; (5) assisting organizations to develop and implement administrative systems consistent with the management of natural systems; and (6) applying study results to policymaking, planning, and implementation.

EAPI's core staff of permanent researchers and long-term visiting scholars, along with degree participants, shorter-term visiting researchers, numerous colleagues in workshops and conferences, and collaborative arrangements with institutions throughout the Asian/Pacific region work toward these goals in four interrelated program areas: (1) natural systems assessment for development; (2) human interactions with tropical ecosystems; (3) marine environment and extended maritime jurisdictions; and (4) environmental dimensions of energy policies.

In FY83, this work resulted in publication of six books, four research reports, four program reports, 15 working papers, 13 reprints, and a series of six marine policy briefs aimed at policymakers in the region.

Nineteen workshops involved about 400 participants from more than two dozen countries, with nine of the workshops held in Asia and the Pacific. Official cosponsors of specific activities included government agencies, academic and research institutions, private industry, and United Nations organizations. These institutions contributed \$450,000 in cost-sharing and contracts and grants toward EAPI activities during the year.

Program Area 1--Natural Systems Assessment for Development

Much economic development in the Asian/Pacific region utilizes the nonrenewable resource base and affects environmental quality. In the urgency of development planning and management, it is easy to ignore

environmental consequences, and most environmental impact assessment guidelines deal with projects one at a time. They generally do not look at a given environment that is affected by many different human actions simultaneously.

Central to this program area is effective information gathering and analysis for policy formulation and decision making, including project planning, appraisal, management, and evaluation of results. This approach emphasizes natural science, engineering, and economics while recognizing the important sociocultural and political context of environmental concerns. Research teams are developing principles and approaches to assist practitioners in making appropriate and effective assessments.

Two of this program area's interrelated projects--"Assessment and Economic Valuation of Natural Systems," and "Asian Water Resource Management"--are described in greater detail below. Other active project areas were: "Government Organization for Natural Systems Management," "Performance of International Consulting and Engineering Firms in Natural Systems Assessment," and "Water and Related Land Resources." Accomplishments in those projects included a workshop and report on the technical basis for soil conservation policies; a study on alternative organizational arrangements for managing natural resources and the environment; and a cosponsored workshop on the role of international consulting and engineering firms in natural systems assessment.

Assessment and Economic Valuation of Natural Systems. This project is designed to develop: (1) practical methods for gathering and analyzing information about relationships and changes in the natural environment that are important to development in the region; and (2) methods for quantifying, in monetary terms, significant consequences of economic development for use in benefit-cost analysis.

A network of scientists, planners, and managers in the U.S. and Asian/Pacific region has collaborated for the past five years. They have produced a variety of materials, including two major EAPI handbooks: Environment, Natural Systems, and Development: An Economic Valuation Guide (published this year by The Johns Hopkins University Press); and Natural Systems for Development: What Planners Need to Know (scheduled to be published in October 1983 by Macmillan Publishing Co.). Dissemination workshops on these materials, cosponsored and cofunded by host organizations in each country, were held in the Philippines, Thailand, and Korea.

Asian Water Resources Management. This project is developing an information base and communication network for Asian water resources management problems, particularly stream and reservoir sedimentation. In-depth studies over a five-year period have been planned, and the first study--on problems and perspectives of water resources in India--was completed this year. A major bibliography of water resources management is near completion. Visits with individuals and key Asian governmental, research, and training agencies in the field of water resources management are being made by EAPI staff and participants to determine problem areas in water resources management. Collaboration with Asian water resources management agencies and donor agencies is being arranged for long-term case studies, cross-country comparisons, and trials of new methodologies, thereby increasing the

likelihood that they will consider and implement changes in management practices.

Program Area 2--Human Interactions with Tropical Ecosystems

In tropical regions of Asia and the Pacific, changes stemming from ambitious national development programs threaten the viability of fragile social and ecological systems. Research here increases the data base for designing ecologically and socially viable development strategies for tropical ecosystems. It has emphasized formulation of new conceptual approaches for research on human ecological systems, generation of new empirical understandings, and mobilization of research capabilities within the region itself. The principal areas of focus are (1) human ecology of tropical agricultural systems, and (2) forest land use.

Human Ecology of Tropical Agricultural Systems. This project explores methods of managing tropical agricultural systems to meet increasing human needs for food and other resources in an environmentally sustainable manner. Specific research goals include developing appropriate conceptual approaches for research on human interaction with agroecosystems; strengthening regional human ecology research capabilities, particularly as represented by the Southeast Asian University Agroecosystem Network (SUAN); carrying out collaborative research on the human ecology of tropical agricultural systems with scientists from SUAN; and advising policymakers of research results.

This work has received significant funding from the Ford Foundation, which has also provided major grants to all of the agroecosystem projects in the SUAN network, much of it to support collaborative research with EAPI.

Research teams are developing conceptual frameworks for human ecology research. Significant progress has been made in relating cultural values to material aspects of adaptation, which was explored in a major workshop this year. Applied research is underway at several SUAN institutions in the use of indigenous multicrop agroecosystems in improved productive systems.

A book manuscript, Human Interactions with Tropical Agroecosystems: An Introduction to Human Ecology Research on Southeast Asian Agricultural Systems, was completed in April 1983. After review and final revisions, it will be submitted for publication to the University of the Philippines at Los Banos (UPLB). Conceptual Approaches to Human Ecology, EAPI Research Report No. 14, was published in August 1983.

Joint workshops were held with the Ministry of Urban and Rural Construction and Environmental Protection, China; the Center for South and Southeast Asian Studies, University of Michigan; and the Center for Asian and Pacific Studies, University of Hawaii. As a result, USAID issued a grant to Khon Kaen University for interdisciplinary farming systems research, human ecology components were incorporated into new master's degree programs at Chiang Mai University and UPLB, and a Ford Foundation grant was renewed to Silliman University for research on stabilization of shifting agriculture, a project designed at an EAPI workshop on human ecology.

Forest Land Use. Another facet of human interactions with tropical ecosystems concerns human use of forests. This includes use of forest trees in agricultural systems (agroforestry) and establishing new forests on open land for wood production or watershed rehabilitation. These activities and interactions are most usefully studied in watersheds because of their importance for resource development planning on islands and in steep areas of the region.

This project works to improve the quality of information available to planners, resource managers, and other decision makers so that forest and agriculture land uses can better sustain production, minimize erosion, enhance water quantity and quality, and improve quality of rural life.

Causes of impaired water quality, increased reservoir sedimentation, and aggravated flooding are being explored to dispel myths and misunderstandings which now strongly influence watershed planning and development policies and the donor programs supporting them. The project also completed evaluation of a seed orchard as a source of certified seed for fast-growing agroforestry species (*Leucaena*).

Agroforestry training workshops, funded in part by UN University, were held in Papua New Guinea and Thailand cooperatively with the respective forestry departments. A major EWC/FAO/UNDP workshop on Social Forestry in Thailand involved an interdisciplinary team from EAPI and 60 participants from eight countries. The International Union for the Conservation of Nature and Natural Resources (IUCN) and UNESCO cosponsored a workshop with EAPI involving international experts from 12 countries to write a mangrove area management handbook.

Publications this year include Forest and Watershed Development and Conservation in Asia and the Pacific, (Westview Press); Tropical Forested Watersheds: Hydrologic and Soils Response to Major Uses or Conversions (Westview Press); and, Proceedings of a Workshop on Ecological Basis for Rational Resource Utilization in the Humid Tropics of South East Asia, (Universiti Pertanian Malaysia). The watershed book is already in use as a teaching text in three courses in two countries.

Program Area 3--Marine Environment and Extended Maritime Jurisdictions

The United Nations Convention on the Law of the Sea was signed by 119 nations in December 1982. Some major maritime nations have not signed the convention, however, and it contains significant ambiguities. At the same time, the "world sea enclosure movement" has brought much of the high seas area and most known resources under individual state control. Semi-enclosed seas such as the South China Sea are subject to a mosaic of jurisdictional claims and overlaps. The superimposition of national policies on transnational resources and activities creates both potential for conflict and opportunities for cooperation. This program area focuses on policies of ocean environment and resource development in the Asian/Pacific region in light of the new convention on the Law of the Sea and extended maritime jurisdiction. The goal is to contribute to an enhanced maritime perspective among policymakers leading to sound management of the ocean environment and best use of ocean resources.

Program area objectives include summarizing national marine interests as they relate to transnational ocean policy issues in Southeast Asian seas, and evaluating advantages, disadvantages, and trade-offs for international cooperation for nations and parties involved in environmental protection, fisheries, and hydrocarbon development.

Major work in this program area has been focused on marine policy in Southeast Asian seas. Research also continues in the area of institutional arrangements for ocean resources management, particularly geology and hydrocarbon potential of the South China Sea and possibilities for joint development, and marine resource economics.

Marine Policy in Southeast Asian Seas. Collaborative research findings here will provide useful background material for national and international policy decisions consistent with broad international issues and physical realities. The Atlas for Marine Policy in Southeast Asian Seas, a culmination of several years' work in this program, was scheduled for publication by the University of California Press, Berkeley, in October 1983. Revisions to Marine Policy in Southeast Asian Seas, a companion volume to the atlas, are being completed.

Program area materials disseminated this year in government cosponsored workshops in Indonesia and the Philippines include seven EAPI research reports, two workshop reports, two books, journal articles, and six marine policy briefs that summarize research findings for policymakers and executives. Workshops included government officials and executives from 10 multinational and national oil companies. These works are contributing to a general understanding of marine policy issues and options. In addition, marine managers in the region are also developing an awareness of each other and of the role of the sea in development.

Program Area 4--Environmental Dimensions of Energy Policies

Large-scale use of energy sources such as coal or nuclear power as alternatives to oil could necessitate relaxation or revision of environmental goals in the Asian/Pacific region. The major goal of this program area is to provide analyses useful to policymakers who need to ensure acceptable environmental quality while meeting the energy needs of their societies at reasonable cost.

The program's work is organized in four projects: (1) "Increased Use of Coal in the Region," which saw major accomplishments this year and is highlighted below; (2) "Environmental Guidelines for Offshore Oil and Gas Development," for which the findings have been published and are now being disseminated; (3) "Radioactive Waste Management in the Pacific" in which researchers collected data to assist policymakers with this issue; and (4) "Renewable Energy-Environment Systems," which is a cooperative project with the Resource Systems Institute and focuses on planning and management of such systems in cosponsoring Asian countries.

Increased Use of Coal in the Region. Production and use of coal in the Asian/Pacific region is expected to double during the next two decades. This could have major implications for human health, land use, and air and

water quality unless appropriate steps are taken to coordinate policies for achieving both energy and environmental goals. The aims of this project are: to examine policies and plans of countries in the region for increased production, shipment, and use of coal; to assess the internal and external environmental implications of the above; to compare expected effects with environmental objectives of the countries; to identify approaches to reconcile coal-based energy development plans and environmental quality goals; and to produce materials useful to involved policymakers and practicing professionals.

A project study on coal transportation has shown that: (1) transportation and environmental considerations of coal use rather than its availability are more likely to be factors affecting how much coal is used; (2) adequate port capacity exists to meet expected coal export needs; and (3) delays which have postponed construction of additional U.S. ports, blamed on the need for environmental impact assessments, may have actually saved port developers from substantial economic loss. The study also reported that: the reduced need for coal ports enables adequate consideration to be given to environmental factors in the choice of port development locations; technologies exist to minimize adverse environmental effects of coal transportation at a modest cost; and environmental considerations are not likely to be the major factor limiting coal transportation.

Manuscripts for the books Coal Transportation in Asia and the Pacific: Infrastructure and Environmental Considerations and Environmental Guidelines for Overland Coal Transportation were completed during FY83. Books on siting of coal-fired power plants and guidelines for coal port development are close to completion.

Participation in this project by major coal-exporting countries of the region (Australia, Canada, and the United States) may have contributed to a reassessment of the need to develop additional ports for exporting coal, particularly on the U.S. West Coast. The potential savings to the United States and other countries could be substantial. The governments of China and India have invited a part of the team working on environmental guidelines for transporting coal to hold training workshops for their officials in coal transportation systems. These workshops have the potential for affecting the way coal is transported in the two largest coal-using countries in Asia.

ENVIRONMENT AND POLICY INSTITUTE

Staff

Director

William H. Matthews, PhD Socio-Technological Engineering, Massachusetts Institute of Technology, 1970. Came to the Center in October 1977 to establish the Environment and Policy Institute. He was formerly a senior research scholar at the Austrian-based International Institute for Applied Systems Analysis. Prior to this he was Arthur D. Little associate professor of environmental sciences and engineering at Massachusetts Institute of Technology and visiting faculty member in environmental management at the Center for Education in International Management in Geneva, Switzerland. He has had close association with the United Nations Environment Programme and other international and national agencies.

Research Associates

Richard A. Carpenter, MA Organic Chemistry, University of Missouri, 1949. Came to EAPI from the National Academy of Sciences/National Research Council where he was executive director of the Commission on Natural Resources. Prior to establishing that office in 1972, was chief of the Environmental Policy Division of the Congressional Research Service, Library of Congress. Has contributed to the passage and implementation of legislation including the National Environmental Policy Act and has been responsible for a variety of studies interpreting and transferring technical information for decision making. Began his career as a chemist and has obtained patents in the field.

Dixon, John A., PhD Economics, Harvard University, 1977. BA, Economics and Oriental Languages (Chinese), University of California at Berkeley, 1968. Previously worked for the Ford Foundation in Indonesia as agriculture program economist where his main research interests were food policy analysis and natural resource management. At EAPI he is involved with environmental applications of benefit-cost analysis as well as economic aspects of the coal-fuel cycle.

Hamilton, Lawrence S., PhD Natural Resources, University of Michigan, 1963; BScF and MS in Forestry at Toronto and Syracuse. Professor emeritus at Cornell University, where he taught and researched in forest ecology, land-use planning, and international resource conservation. He was three times a visiting professor to Asia-Pacific universities, he had a UNESCO consultancy in Australia, and did rainforest conservation studies in Venezuela and Guatemala. Was zone forester and research officer in Canada. Research interests in forest land-use planning, watershed management, and environmental assessment.

Kent, George, PhD Communications, University of Illinois, 1965; MS Communications, Boston University, 1961; Bachelor of Electrical Engineering, Rensselaer Polytechnic Institute, 1960. Joint appointment with the University of Hawaii, where he is professor of political science. Has conducted research in communication, international relations, and marine resource management.

Marsh, James Barney, PhD Economics, University of Chicago, 1972. Joint appointment with University of Hawaii, where he is professor and chairman of the Department of Business Economics and Quantitative Methods. Is a specialist in international, natural resource, and environmental economics. Has conducted research on deep ocean mining and ocean thermal energy conversion.

Marten, Gerald, G., PhD Zoology, University of California at Berkeley, 1970. Has conducted research on systems ecology and renewable natural resource management in Canada, East Africa, and Mexico. Most recently was senior research scientist at the Instituto de Investigaciones Sobre Recursos Bioticos in Veracruz, where he headed an interdisciplinary team studying the environmental dimensions of land-use planning in the Mexican highlands and tropics. Earlier research included fisheries management and mathematical modeling of lake and forest ecosystems.

Morgan, Joseph, R., PhD Geography, University of Hawaii, 1978, Captain, U.S.N. (Ret.). Joint appointment with the University of Hawaii, where he is assistant professor of geography. Formerly was chief of mapping, charting, geodesy branch on staff of commander-in-chief, Pacific. Has taught at the U.S. Naval Academy. He has conducted research and published articles in oceanography and geography.

Rambo, A. Terry, PhD Anthropology, University of Hawaii, 1972. Was visiting professor, Dalat University Graduate School of Politics and Economics, Saigon, 1973-75, and lecturer in anthropology and human ecology at the University of Malaya Kuala Lumpur, 1975-80. Served as a continuing consultant on resources and environment to the Ford Foundation with responsibility for monitoring research on human ecology in Malaysia and neighboring countries. His major current research concern is with human interactions with tropical agroecosystems. Has done field research on the environmental relations of traditional rural societies in Vietnam, Malaysia, and Belize.

Siddiqi, Toufiq A., PhD Experimental Nuclear Physics, University of Frankfurt-am-Main, West Germany, 1966; BA and MA University of Cambridge, England; primary and secondary education in India and Pakistan. Was associate professor of public and environmental affairs at Indiana University prior to joining EAPI. Has written extensively and developed courses in the areas of science, technology, and public policy; energy and the environment, technology assessment; and environmental systems. Is assistant director of EAPI.

Valencia, Mark J., PhD Oceanography, University of Hawaii, 1972; MA Geology, University of Texas; Master of Marine Affairs, University of Rhode Island. Served for two years as lecturer (assistant professor) with the Universiti Sains Malaysia in Penang, followed by a year with the United Nations Development Programme Regional Project on Off-shore Prospecting in Bangkok, Thailand. Professional activities have concentrated on regional marine policy issues, including problems of national and transnational marine pollution in Southeast Asia.

Vergara, Napoleon T., Master of Forestry, State University of New York, 1960. Was senior lecturer in forestry management and economics, Department of

Forestry, University of Technology, in Lae, Papua New Guinea. Was chairman of the Departments of Forest Resources Management and Forestry Extension, University of the Philippines, Los Banos, and project leader, Kaingin Research Project, jointly sponsored by the University of the Philippines and the National Science Development Board. Has served as a consultant on forestry issues in both government and industry.

Wattanavitukul, Somluckrat, PhD Economics, University of Washington, 1976; MA Thammasat University, Bangkok, 1971; BA Thammasat University, Bangkok, 1967. Was assistant professor, Faculty of Economics, Thammasat University, Bangkok, for five years, and also served as economist with the Economic Analysis Division of the United States Operation Mission of the U.S. Agency for International Development in Thailand for two years. She has conducted research and published articles on several economic issues.

Adjunct Research Associates

El-Swaify, Samir A., PhD Soil Science, University of California, Davis, BSc Agricultural Science, Alexandria University, Egypt. Professor and soil scientist, Department of Agronomy and Soil Science, College of Tropical Agriculture and Human Resources, University of Hawaii.

Foell, Wesley, PhD Nuclear Engineering, Stanford University. Director, Energy Systems and Policy Research Group, University of Wisconsin. Has published widely on energy-related topics, especially the management of energy-environment systems.

Gilbert, John T. E., BA Economics, University of Canterbury, New Zealand. Senior investigating officer, New Zealand Commission for the Environment.

Hutterer, Karl L., PhD Anthropology, University of Hawaii. Curator, Oriental Collection, University of Michigan Museum of Anthropology. Currently is visiting fellow at the University of Hawaii Center for Asian and Pacific Studies.

Lau, Stephen, PhD Hydraulic and Sanitary Engineering, University of California at Berkeley. Professor of civil engineering and director of Water Resources Research Center, University of Hawaii.

Li, C.Y., PhD Economic Geology, Columbia University. Senior consultant to the United Nations' Department of Technical Cooperation and Development.

Mueller-Dombois, Dieter, PhD Forestry, University of British Columbia. Professor of botany, University of Hawaii. Was director of the Island Ecosystems Integrated Research Program of the U.S. International Biological Program until 1975.

O'Reilly, Joseph P., PhD Psychology, University of Hawaii. Associate professor, Department of Human Resources, and research coordinator for human resources development for the University of Hawaii College of Tropical Agriculture and Human Resources. Concerned with human adaptive response to environmental stressors.

Snedaker, Samuel, PhD Tropical Forest Ecology, University of Florida. Associate professor of biology and living resources, School of Marine and Atmospheric Science, University of Miami, Florida.

Wingert, Everett A., PhD Cartography, University of Washington. Associate professor of Geography, University of Hawaii. He is project director of the coastal zone atlas of American Samoa being produced at the University of Hawaii, and he is technical and design coordinator for the EAPI atlas of marine policy.

PUBLICATIONS AND OTHER PRODUCTS

BOOKS

- Baines, G.B.K., F. Blasco, G. Cintron, J.D.S. Davie, L. Hamilton, E.J. Hegerl, A. Librero, A.E. Lugo, Ong Jin Eong, F. Pannier, P. Saenger, and S.C. Snedaker (major contributors). Global Status of Mangrove Ecosystems, eds. P. Saenger, E.J. Hegerl, and J.D.S. Davie. By the Working Group on Mangrove Ecosystems of the IUCN Commission on Ecology in cooperation with the United Nations Environment Programme and the World Wildlife Fund. IUCN Commission on Ecology Papers, No. 3. Gland, Switzerland: IUCN, 1983. 88 pp.
- Gilbert, John T.E., ed., Technical Environmental Guidelines for Offshore Oil and Gas Development. Tulsa, Okla.: PennWell Books, 1983. ISBN 0-87814-208-8. xii, 330 pp. \$37.50.
- Hamilton, Lawrence S., Forest and Watershed Development and Conservation in Asia and the Pacific. Boulder, Colo.: Westview Press, 1983. ISBN 0-86531-534-5. xxiv, 560 pp. \$25.
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- Hufschmidt, Maynard M., David E. James, Anton D. Meister, Blair T. Bower, and John A. Dixon, Environment, Natural Systems, and Development: An Economic Valuation Guide. Baltimore, Md.: The Johns Hopkins University Press, 1983. ISBN 0-8018-2931-3. xxii, 338 pp. \$25 hardbound, \$10.95 paper.
- Valencia, Mark J., Edgar Gold, Chia Lin Sien, and Norman G. Letalik, eds., Shipping, Energy, and Environment: Southeast Asian Perspectives for the Eighties. Halifax, Nova Scotia: Dalhousie Ocean Studies Programme, Dalhousie University, 1982. ISBN 0-7703-0276-9. xi, 333 pp. \$25.00.

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East-West Environment and Policy Research Reports contain institute or cooperative research results that reflect EAPI's concept and approach to natural systems assessment for development, human interactions with tropical ecosystems, environmental dimensions of energy policies, and marine environment and extended maritime jurisdictions. ISSN 0739-6716.

No. 11, Marine Regionalism in the Southeast Asian Seas Area, by Lewis M. Alexander. July 1982. ISBN 0-86638-033-7. vi, 85 pp. \$3.

No. 12, Ecological Adaptation and Population Change: Semang Foragers and Temuan Horticulturalists in West Malaysia, by Alberto G. Gomes. September 1982. ISBN 0-86638-034-5. viii, 51 pp. \$3.

No. 13, Indonesian Marine Fisheries Development and Strategy under Extended Maritime Jurisdiction, by Salvatore Comitini and Sutanto Hardjolukito. July 1983. ISBN 0-86638-048-5. vi, 69 pp. \$3.

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_____, A Summary of Current and Planned Activities in the Program Environmental Dimensions of Energy Policies. Honolulu: East-West Center, February 1983. 11, 22 pp.

Siddiqi, Toufiq, John Gilbert, Jon Van Dyke, Herbert Webber, and John Wiebe, A Summary of Current and Planned Activities in the Program Area Environmental Dimensions of Energy Policies. Honolulu: East-West Center, June 1983. 11, 30 pp.

Valencia, Mark J., Progress and Plans of the Program Area Marine Environment and Policy. Honolulu: East-West Center, June 1983. 31 pp.

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Working Papers are made available in limited numbers for comment and discussion and to inform interested colleagues about work in progress at the East-West Environment and Policy Institute.

Cardenas, Marlito L., "Training modules for an environmental assessment course." October 1982. iv, 32 pp.

Carpenter, Richard A., "Ecology in court; and other disappointments of environmental science and environmental law." November 1982. 34 pp.

- El-Swaify, Samir, S.S. Arunin, and I.P. Abrol, "Soil salinization: Development of salt-affected soils." June 1983. x, 94 pp.
- Herath, H.M.G., "Economics of salinity control: A Sri Lankan case study." September 1983. ii, 34 pp.
- Hufschmidt, Maynard M., "Environmental assessment and valuation: A report of work at the East-West Environment and Policy Institute." March 1983. iv, 28 pp.
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- Hyman, Eric L., and Maynard M. Hufschmidt, "The relevance of natural resource economics in environmental planning." April 1983. ii, 62 pp.
- Jamieson, Neil L., and George W. Lovelace, "Cultural values and human ecology: Some initial considerations." Foreword by A. Terry Rambo. February 1983. iv, 38 pp.
- King, Peter N., "Foreign environmental experts--and indigenous environmental perception." August 1983. ii, 22 pp.
- King, Peter N., Julia Williams, and Lawrence S. Hamilton, "A source book for watershed managers." October 1982. iv, 173 pp.
- Maragos, James E., Aprilani Soegiarto, Edgardo D. Gomez, and Martha Anne Dow, "Development planning for tropical coastal ecosystems." June 1983. x, 89 pp.
- Mueller-Dombois, Dieter, Kuswata Kartawinata, and Linda Lea Handley, "Conservation of species and habitats: A major responsibility in development planning." June 1983. x, 80 pp.
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- Polthanee, Anan, "Rainfed cropping systems in northeast Thailand." April 1983. ii, 42 pp.
- Srimongkol, Katin, "Traditional agriculture in northern Thailand." August 1983. ii, 29 pp.
- Teller, H.L., "Forest research needs: An Asia-Pacific perspective from Man and the Biosphere (MAB)." April 1983. 14 pp.
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Wang Jianming, Wang Huatong, Wu Zhisha, Lin Yongke, and Wan Guojang, "Water pollution: A Chinese perspective." Adaptation by L. Stephen Lau, Richard A. Carpenter, and Martha Anne Dow. June 1983. x, 60 pp.

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No. 41, "Ocean boundaries in the South Pacific," by Sherry Broder and Jon Van Dyke, with the assistance of Faye Kimura and Naomi Hirayasu. From University of Hawaii Law Review 4(1):1-59.

No. 42, "Ecological land-use planning and carrying capacity evaluation in the Jalapa region (Veracruz, Mexico)," by Gerald G. Marten and Luis A. Sancholuz. From Agro-Ecosystems 8(1982):83-124.

No. 43, "Coal use and the environment in the Asia-Pacific region," by John A. Dixon. From Materials and Society 6(4):431-40.

No. 44, "The valuation of extramarket benefits and costs in environmental impact assessment," by Eric L. Hyman. From Environmental Impact Assessment Review 2(3):226-58.

No. 45, "Options for handling stillage waste from sugar-based fuel ethanol production," by Ian P. Willington and Gerald G. Marten. From Resources and Conservation 8(1982):111-29.

No. 46, "Orang Asli adaptive strategies implications for Malaysian natural resource development planning," by A. Terry Rambo. In Too Rapid Rural Development: Perceptions and Perspectives from Southeast Asia, ed. Colin MacAndrews and Chia Lin Sien, 251-99. Athens, Ohio: Ohio University Press, 1982.

No. 47, "Oil interests and the law of the sea: The case of the Philippines," by Diane C. Drigot. From Ocean Development and International Law Journal 12(1/2):23-70.

No. 48, "A goal analysis of alternative tuna fishery arrangements between Indonesia and Japan," by Gerald G. Marten, Yoshiaki Matsuda, John Bardach, Salvatore Comitini, and Sutanto Hardjolukito. From Ocean Management 8(1982):125-50.

No. 49, "Uninhabited islands: Their impact on the ownership of the oceans' resources," by Jon M. Van Dyke and Robert A. Brooks. From Ocean Development and International Law Journal 12(3-4):265-300.

No. 50, "An investigation of acid precipitation in Qinghai Province, China," by John Harte. From Atmospheric Environment 17(2):403-08.

No. 51, "Ecology in court, and other disappointments of environmental science and environmental law," by Richard A. Carpenter. From Natural Resources Lawyer 15(3):573-95, 1983.

No. 52, "A comparative study of fish yields from various tropical ecosystems," by Gerald G. Marten and Jeffrey J. Polovina. From Theory and Management of Tropical Fisheries, eds. D. Pauly and G.I. Murphy, 255-85, ICLARM/CSIRO, 1982.

Marine Policy Briefs

A new publication category summarizing significant EAPI research for policymakers and others interested in a particular program area.

No. 1, "National maritime claims." March 1983. 4 pp.

No. 2, "Hydrocarbons." March 1983 (April issue). 4 pp.

No. 3, "Shipping." May 1983. 4 pp.

No. 4, "Fisheries." June 1983. 4 pp.

No. 5, "Maritime defense." July 1983. 4 pp.

No. 6, "Vulnerable resources." August 1983. 4 pp.

OCCASIONAL PUBLICATIONS

EAPI Program Brochure 1983-84. 28 pp.

Publications of the East-West Environment and Policy Institute. November 1982. 15 pp.

Publications of the East-West Environment and Policy Institute. June 1983. 15 pp.

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Landforms: Impact on Land Use Planning in Developing Countries, eds. Prinya Nutalaya, Pisidhi Karasudhi, Theerapongs Thanasuthipitak, Irb Kheoruenromne, and Anchalee Sudhiprakarn, G 5.1-G 5.29. Bangkok: Association of Geoscientists for International Development, March 1982.

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- _____, "Ecology and community development." Silliman University, May 8, 1983, Dumaguete, Philippines.
- _____, "Energetics of agroecosystems." Joint Khon Kaen University/EAPI Workshop on Human Ecology, April 18 - May 2, 1983, Khon Kaen, Thailand.
- _____, "The environment, population, and development." Workshop on Population and Development Reporting, December 13-18, 1982, Population Institute workshop for journalists, held at East-West Center.
- _____, "Environmental issues and development programs--Malaysia: A case study." Asian Studies 312, University of Hawaii, March 7, 1983.
- _____, "Human ecology and agricultural systems in Southeast Asia." University of Hong Kong Centre of Asian Studies, April 13, 1983.
- _____, "Human ecology and development planning." Political Science 646F, University of Hawaii, January 26, 1983.
- _____, "Human ecology research." Cordillera Studies Center, University of the Philippines, College Baguio, May 11, 1983.
- _____, "Human ecology research as a basis for developing socially and ecologically viable community forestry systems." FAO/EWC Regional Workshop on Community Forestry, August 22-29, 1983, Korat, Thailand.

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- _____, "Information flow and agroecosystem management." FAO/EWC Regional Workshop on Community Forestry, August 22-29, 1983, Korat, Thailand.
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NATURAL SYSTEMS ASSESSMENT

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Benefit-Cost Analysis Dissemination Workshop

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Future for Consulting Firms

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International Soil Conservation Conference

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Natural Systems Assessment for Development

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Population Institute

Lee-Jay Cho, Director

World population is expected to grow from 4.5 billion today to more than six billion by the year 2000. In the remaining years of this century, most of the world's population growth will take place in the less-developed countries, and by the end of this period more than half of the world's population will live in the East-West Center region.

Such growth will create increasing difficulties in the efforts of the developing countries to provide jobs, food, housing, and services for their citizens. This will be especially so in the region's large cities, which will grow even more rapidly than the total populations because of a balance of births over deaths and because of continued heavy migration from the rural areas.

World population growth rates have slowed from a level of 2.0 percent in the early 1970s to around 1.7 percent today. However, the growth rates of per capita production of fish, beef, and grain have also declined. Will we be able to feed the projected 6.1 billion people in 2000 or 10.5 billion in 2110? Will our energy supplies and natural resources be able to meet the demands of additional billions of consumers? Will governments be able to maintain their services in the face of continued population growth? Will cities be able to provide for their increasingly large and crowded populations?

The Population Institute (PI) addresses specific problems in the complex network that links population growth and distribution, economic development, resources, and social change. The work involves formulating policy and program recommendations and analyzing new data to determine whether and how policies have affected population change. To implement this task, PI undertakes research and training activities in four program areas: (1) demographic trends and estimation; (2) fertility and the family in transition; (3) economic development and human resources; and (4) urbanization, migration, and development.

PI conducted a total of 13 conferences and seminars during the year, six of which were held in Asia hosted and cosponsored by Asian institutions. A highlight of the institute's activities was the 14th Annual Summer Seminar, held at the East-West Center and in Kuala Lumpur, Malaysia. The seminar brought together 76 government officials, researchers and university faculty members from 17 countries for four weeks of intensive study of (1) population projections and forecasting; (2) new techniques of family planning and evaluation; (3) demographic surveys; and (4) urbanization, urban policies, and development planning. The institute also cosponsored a conference for ASEAN parliamentarians on population, resources, and development with sessions in Kobe, Japan; Jakarta, Indonesia; and Kuala Lumpur, Malaysia.

Institute activities produced a number of publications including two books, nine papers, four issues of the Asian and Pacific Census Forum, 11 reprints, three working papers, and numerous unpublished papers presented at conferences and professional meetings.

Program Area 1--Demographic Trends and Estimation

Good data is of primary importance to population studies. Information is collected through censuses, surveys, and vital registration systems, but frequently the data are incomplete, inaccurate, or both. Any limitations or errors in the data must be known to avoid costly mistakes in economic and social planning.

In this program area, preliminary analysis of demographic data reveals the direction and speed of changes taking place in a total population or in a limited segment of a society. Further research produces and refines the basic data needed to make social decisions on population matters and to train staffs of other agencies to perform these calculations. Much of the work is published in the institute's Asian and Pacific Census Forum which is widely distributed to statistical and research agencies in the United States, Asia, the Pacific, and other areas of the world. This year, a fourth edition was published in a single volume, entitled Measuring Mortality, Fertility, and Natural Increase: A Self-Teaching Guide to Elementary Measures, by research associates James A. Palmore, Jr., and Robert W. Gardner.

Two major conferences were held during the year. In cooperation with the registrar general of India, the institute organized a conference on "Recent Population Trends in South Asia" which met in New Delhi, February 2-8. The conference brought together senior policymakers and census officials from India, Nepal, Pakistan, and Sri Lanka, as well as leading demographers and social scientists from various countries in South Asia, Great Britain, Japan, and the United States.

The Ninth Population Census Conference met in Tokyo, March 1-5, co-sponsored and hosted by the Statistics Bureau of the Office of the Prime Minister. As in the past, the heads of national census and statistics offices in the region met to examine and share experience in resolving common problems and to plan future research and training. At the suggestion of this group at a previous meeting, the institute is preparing a volume on the experience of Asian/Pacific nations in the planning, enumeration, and analysis of the 1980-81 round of censuses. By the end of the year, most participating countries had submitted a chapter to the institute.

Program Area 2--Fertility and Family in Transition

Analysis of factors influencing human fertility is a major activity in this program area. Population policies have been adopted and programs introduced on a large scale in many countries of Asia, and fertility is declining in many countries. But it is not clearly understood why fertility is declining since social and economic changes have taken place concurrently with the introduction of population programs. Research is determining how much of the decline is due to population programs and how much to social and economic change. The extent that indigenous social, cultural, and economic institutions affect fertility is also being studied.

Central to the examination of this issue is the family and its role. Do family systems inhibit or promote change? While the family has changed greatly over time, it is clear that in all societies the family continues to play a major societal role.

A multi-country, comparative study entitled the Asian Marriage Survey (AMS) is being coordinated by PI. Two meetings were held this year. A conference in Pattaya, Thailand, reviewed empirical reports on five different surveys, including the AMS, and evaluated the methodologies used. A workshop on family research in Asia was held at the Center to develop a plan for analysis of data collected and to prepare a proposal for a study of Asian sibling and life history data. Three articles reporting this research were published externally, five unpublished papers were presented at conferences, and a funding proposal entitled "The Family Context of Marriage Timing: Evidence from Four Asian Nations" was submitted to the National Science Foundation.

With the cooperation of Westinghouse Health Systems, the institute conducted a 28-day Working Group on Contraceptive Prevalence. There were seven participants from four Asian countries. Data from each country were available for individual and for comparative analysis. Although the analyses differed somewhat, all of them concentrated on factors affecting contraceptive use.

Research staff also assisted the India Ministry of Health and Family Welfare in its communication needs assessment for its family planning programs.

Program Area 3--Economic Development and Human Resources

A central goal of any society should be to provide a secure social, political, and economic environment that allows its members to develop and employ their full human potential. For nations in the Asian/Pacific region, realization of this goal is complicated by dramatic changes in technology, natural resource availability, and population. This program area carries out research and training in three areas that are central to social and economic development objectives within the region.

The first area, population change and rural development, examines interrelationships among social, economic, environmental, and demographic changes in rural areas where the vast majority of the population of the region resides. For example, the introduction of new seed grains and cultivation practices has led to higher standards of living for some, but for others it has produced disruptive social and economic changes and reduced opportunity. Rapid population growth and increased population pressure have had enormous effects on rural landlessness, environmental quality, labor arrangements, population movement, and fertility. The interaction of demographic changes with changes in technology, resources, environment, and economic and social institutions is analyzed to improve the formulation and assessment of development and population policies in rural areas.

Research on the development and utilization of human resources addresses questions related to population well-being and productivity. Some of topics studied include: how the health status of people can be improved; how education and training contribute to economic development; how the status of

women is changing in the region, and how government policy can improve the lives of women and their contribution to society; and how rapid population growth contributes to unemployment, underemployment, and other manpower problems.

Lastly, this area focuses on national-level analysis of interrelationships among population change, economic and social change, and development policy. Issues being examined include: to what extent rapid population growth has depressed investment and capital accumulation; how housing requirements will change over the next 25 years; and how changes in age structure associated with declining population growth rates will affect the industrialized economies. These issues and others being addressed are critical to the formulation of successful social and economic policy in the Asian/Pacific region.

A Working Group on Household Projections and Housing was conducted for 32 days in April and May, and a regional Symposium of Tropical Agroecosystems was held in Bandung, Indonesia, in cooperation with the Environment and Policy Institute.

Program Area 4--Urbanization, Migration and Development

Urbanization and the changing patterns of population movement that accompany modernization are major policy concerns in many Asian/Pacific nations. The rapid growth of cities poses difficult problems of urban management, yet a dynamic and expanding urban economy may require the distinctive contributions of a migrant workforce. In rural areas, problems of unemployment and underemployment may be relieved by out-migration, but selective loss of the younger and more educated may retard rural development efforts. To achieve a more balanced urban system, policymakers require better knowledge about the nature and scale of population movement and its underlying causes.

Research in this area focusses on: migration processes; and urbanization and economic development, which emphasizes the intended and unintended effects of development policies and programs on patterns of population distribution. This program analyzes the influence of the international economic system and the interplay between the public and private sector on matters such as the effect of industrial location on population distribution.

This year, the institute initiated work on the economic and social effects to Asian nations which provide migrant labor to the Middle East. This involved preparation of a regional review paper summarizing pertinent data on the topic, and the staging of an international conference with support from the Ford Foundation. The review disclosed a large increase in the number of imported workers in the countries of the Middle East in the 1970s. By 1975 there were 1.6 million expatriate workers there with the number expected to increase to 4.3 million by 1985. The demand for imported labor is expected to continue at least through the end of this century.

Monetary benefits have been the primary inducement for both nations and individual workers. Because of relatively high wages paid in the Middle East and the propensity of workers to save, there has been an enormous flow of remittances to Asian countries. In 1980, total remittances amounted to \$6 billion or about 1.6 percent of their combined GNP. Pakistan, for example,

registered phenomenal increases, estimated at 40 percent of its foreign exchange earnings.

Work was also completed on the study of growth patterns and economic development in the 147 cities in India with populations exceeding 100,000. This was done in collaboration with the Centre for the Study of Regional Development, Jawaharlal Nehru University, New Delhi, and has resulted in a forthcoming monograph, "City Typology, Migration, and Development in India." This study of India's enormous urban population demonstrated the importance of historical factors in the growth of cities, as well as contemporary economic factors such as labor market expansion.

POPULATION INSTITUTE

Staff

Director

Lee-Jay Cho, PhD Sociology, University of Chicago, 1965. Received undergraduate education in political science at Kookmin College in Seoul. Earned master's degree in public administration at George Washington University, Washington, D.C. In addition to being Institute Director and Research Associate, is Adjunct Professor of Sociology at University of Hawaii. Member of the Committee on Population and Demography, National Academy of Sciences; the International Statistical Institute, The Hague-Voorburg. Research interests: demographic estimation, demographic transition, development and population policy.

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Robert D. Retherford, PhD Sociology, University of California at Berkeley, 1970. Holds affiliate graduate faculty appointment in Sociology, University of Hawaii. On leave from the East-West Center, 1970-71, as Post-doctoral Fellow at Institut National d'Etudes Demographiques in Paris. During a second leave in 1971-72 served as consultant to Economic Commission for Asia and the Far East in Bangkok, Thailand. Was Assistant Director for Professional Development during 1974-78. Appointed as Assistant Director for Graduate Study February 1, 1980. Research interests: demographic estimation, demographic transition theory, fertility and family planning, manpower and human resources.

Assistant Director for Professional Education/Research Associate

Linda G. Martin, PhD Economics, Princeton University, 1978. Received AB in mathematics from Harvard University and master's degree in public affairs from the Woodrow Wilson School, Princeton University. Prior to joining the Institute in February, 1979, was Staff Research Director of the U.S. House of Representative Select Committee on Population. Holds joint appointment as Associate Professor of Economics, University of Hawaii. Appointed as Assistant Director for Professional Education July 16, 1982. Research interests: labor force analysis, economics of household formation, rural Japan.

Research Associates

Fred Arnold, PhD Economics, University of Michigan, 1972. A graduate of Harvard University and University of Michigan. Joined Institute in 1971; was Visiting Demographer at National Statistical Office, Bangkok, Thailand, 1974-76; was Research Director of U.S. House of Representatives Select Committee on Population in 1978. Holds affiliate graduate faculty appointment in Population Studies, University of Hawaii. Research interests: value and cost of children, internal and international migration, sex preference, survey methods, Thailand.

Murray Chapman, PhD Geography, University of Washington, 1970. A New Zealander educated at the University of Auckland, Victoria University of Wellington, Cornell University and University of Washington. Joined the Institute in September 1969, and holds joint appointment at University of Hawaii as Professor of Geography. Previously taught at University of Auckland and Victoria University in New Zealand, and at the University of Washington. On sabbatical leave January-December 1983, in New Caledonia at the Noumea Center of ORSTOM: l'Office de la Recherche Scientifique et Technique Outre-Mer. Research interests: population movement, field methods, Melanesia.

James T. Fawcett, PhD Social Psychology, University of California at Berkeley, 1965. Joined Institute in August, 1971, after serving with the Population Council for six years, including four years as Representative in Thailand. Became Assistant Director for Graduate Study in September, 1972, and held joint appointment as Associate Professor of Psychology at the University of Hawaii until 1974. Was the Population Council's Senior Representative for East and Southeast Asia in Singapore from June, 1974, until he rejoined Institute in May, 1978. Currently holds appointment as affiliate graduate faculty in Psychology, University of Hawaii. Research interests: value and cost of children, motivation for migration and migrant adaptation, Asia-Pacific immigration to the United States.

Griffith M. Feeney, PhD Demography, University of California at Berkeley, 1972. Holds affiliate graduate faculty appointment in Department of Sociology, University of Hawaii. Received undergraduate education at Antioch College in Ohio; earned master's degree in demography at UC Berkeley. During 1966-67 served with Volunteers in Service to America, later as trainee with University of Michigan Population Studies Center. Joined research staff of the Population Institute in September, 1972; was Assistant Director for Graduate Study from July 1975, to October, 1977. Research interests: development and application of incomplete data estimation techniques to Asian population.

Robert W. Gardner, PhD Demography, University of California at Berkeley, 1974. Holds joint appointment as Adjunct Associate Professor of Public Health, University of Hawaii. Earned bachelor's degree at Stanford University and master's degree from University of California at Berkeley. Spent five months as Ford Foundation consultant in Pakistan in 1974. Research interests: internal and international migration, U.S. immigration, urbanization, and demography of Hawaii.

Peter Kunstadter, PhD Anthropology, University of Michigan, 1961. Research Associate, holding adjunct affiliate faculty appointment in School of Public Health, University of Hawaii. Joined Institute in 1974, after serving as Associate Professor of Anthropology and Epidemiology at University of Washington. Received undergraduate education at University of New Mexico and master's degree from Cornell University. Research interests: social structure, social change, population anthropology, medical anthropology, human ecology, Thailand.

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Population Studies Center, University of Michigan; and Asian Development Bank. On leave, September 1983 - May 1984, as Visiting Scholar, Massachusetts Institute of Technology. Research interests: economics of household formation, demographic aspects of saving, economic growth and population change.

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Chi-hsien Tuan, graduate study in demography and statistics, 1955-57, at Princeton University with additional work at London School of Economics under Rockefeller Foundation grant. Research Assistant in Taiwan survey of land use, agricultural economics and population, 1948-51; assistant for Princeton University surveys on Taiwan, 1952-55; Research Fellow, National Institute of Agricultural Economics, Beijing, 1958-61; Beijing Teacher's Training College, 1961-73; Consultant and translations, Hong Kong, 1973-80; joined Institute May 1980. Research interests: population policy and planned birth programs in China.

Technical/Administrative

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1976. Computer Specialist. Appointed to present position in 1977.

PUBLICATIONS AND OTHER PRODUCTS

BOOK

Palmore, James A., and Robert W. Gardner, Measuring Mortality, Fertility, and Natural Increase: A Self-Teaching Guide to Elementary Measures. Honolulu: East-West Center, 1983. ISBN 0-86638-004-3. xii, 140 pp. Paper, \$6.

SERIAL PUBLICATIONS

Paper Series

Papers of the East-West Population Institute present findings from completed research and essays on topics related to the demography of Asia, the Pacific, and the United States. Major themes are demographic trends and estimation; fertility and the family in transition; economic development and human resources; and urbanization, migration, and development. Contributions to the series, which is published about eight times a year, reflect diverse cultural and disciplinary perspectives on population issues.

No. 82, Ethnicity, Birthplace, and Achievement: The Changing Hawaii Mosaic, by Paul Wright and Robert W. Gardner. February 1983. ISBN 0-86638-009-4. vi, 41 pp. \$1.50.

No. 83, Population Distribution Policies in Asia and the Pacific: Current Status and Future Prospects, by Roland Fuchs. February 1983. ISBN 0-86638-008-6. viii, 40 pp. \$1.50.

No. 84, Circulation and Interpersonal Networks Linking Rural and Urban Areas: The Case of Roi-et, Northeastern Thailand, by Paul Lightfoot, Theodore Fuller, and Peerasit Kamnuansilpa. March 1983. ISBN 0-86638-007-8. vi, 46 pp. \$1.75.

No. 85, Development Perspectives and Population Change, by Ozzie G. Simmons. April 1983. ISBN 0-86638-006-X. vi, 41 pp. \$1.50.

No. 86, The Effects of Induced Abortion on Subsequent Reproductive Function and Pregnancy Outcome: Hawaii, by Chin Sik Chung and Patricia G. Steinhoff in collaboration with Roy G. Smith and Ming-Pi Mi. June 1983, ISBN 0-86638-046-9. xii, 144 pp. \$3.

No. 60-F, Influences on Childbearing Intentions across the Fertility Career: Demographic and Socioeconomic Factors and the Value of Children, by Rodolfo A. Bulatao and James T. Fawcett. Published in collaboration with the Panel on Fertility Determinants of the Committee on Population and Demography, National Research Council. June 1983. ISBN 0-86638-043-4. x, 152 pp. \$3.

No. 87, Population Mobility and Wealth Transfers in Indonesia and Other Third World Societies, by Graeme J. Hugo. July 1983. ISBN 0-86638-045-0. vi, 50 pp. \$2.

No. 88, Structural Change and Prospects for Urbanization in Asian Countries, by Gavin W. Jones. August 1983. ISBN 0-86638-047-7. vi, 46 pp. \$1.75.

No. 89, Urban Growth and Local Taxes in Less Developed Countries, by Roy Bahl, Daniel Holland, and Johannes Linn. September 1983. ISBN 0-86638-050-7. vi, 33 pp. \$1.25.

REPRINTS

The Reprint Series brings selected articles originating from the Population Institute but published elsewhere to the attention of population specialists both inside and outside the United States.

No. 146, "Urban future: Trends and prospects," by Philip M. Hauser and Robert W. Gardner. From Population and the Urban Future, 1-58. UNFPA, Albany: State University of New York Press, 1982.

No. 147, "The components of population change in nineteenth-century South-east Asia: Village data from the Philippines," by Peter C. Smith and Shui-Meng Ng. From Population Studies 36(2):237-55.

No. 148, "Evidence of age exaggeration in demographic estimates for Pakistan," by Robert D. Retherford and G. Mujtaba Mirza. From Population Studies 36(2):257-70.

No. 149, "Circular migration in Indonesia," by Graeme J. Hugo. From Population and Development Review 8(1):59-83.

No. 150, "Intergenerational differences in income: An analysis of Japan," by Andrew Mason and Linda G. Martin. From Population and Development Review, supplement, Vol. 8, Income Distribution and the Family, 179-91, 1982.

No. 151, "The variable rate-of-growth effect in the life-cycle saving model," by Maxwell J. Fry and Andrew Mason. From Economic Inquiry 20(3):426-42.

No. 152, "The transition in the value of children and the fertility transition," by Rodolfo A. Bulatao. From Determinants of Fertility Trends: Theories Re-examined, eds. Charlotte Hohn and Rainer Mackensen, 97-122. Ordina Editions, Liege, 1982.

No. 153, "The effect of alternative parameterization of the underlying model life table family on infant mortality trends derived by Feeney's method," by Robert D. Retherford and Gek-Ching Thai. From Genus 37(1-2):153-57.

No. 154, "Sources of internal migration data in Indonesia: Their potential and limitations," by Graeme J. Hugo. From Indonesian Journal of Demography, no. 17(June 1982): 23-52.

No. 155, "Migration, the urban informal sector, and earnings in the Philippines," by Hagen Koo and Peter C. Smith. From Sociological Quarterly 24(2):219-32.

WORKING PAPERS

Working Papers are circulated in limited numbers for comment and to inform interested colleagues about work in progress at the Population Institute.

No. 27, "Education as a factor in economic development change," by Andrew Mason and Daniel B. Suits. November 1982. ii, 32 pp. \$1.

No. 28, "An assessment of Philippine cohort nuptiality trends," by Peter C. Smith, Adelamar N. Alcantara, and Eliseo de Guzman. November 1982. ii, 21 pp. \$1.

No. 29, "A model of marital fertility transition that incorporates diffusion of birth control," by Robert D. Retherford. 54 pp. \$1.

No. 30, "Fertility control at the community level: A review of research and programs," by Rodolfo A. Bulatao. July 1983. iv, 32 pp. \$1.

No. 31, "Content and process in fertility decisions: A psychosocial perspective," by Rodolfo A. Bulatao. September 1983. iv, 48 pp. \$1.

PERIODICAL

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A quarterly, the Census Forum reports on census, vital registration, and population survey activities in Asia and the Pacific, contains technical articles on demographic measurement, and reviews new publications. ISSN 0732-0515. Selected articles:

Vol. 9, no. 2, November 1982. "Migration, urban growth, and development," by Nasra M. Shah and Mehtab S. Karim; "Simple linearization procedure for local fit of the Weibull curve," by Norman Y. Luther; "Publications that count," by Alice D. Harris; a report on the activities of the Australia Bureau of Statistics from Brian Doyle; and various short news items. 16 pp.

Vol. 9, no. 3, February 1983. "Measuring change in census coverage," by N.Y. Luther; "Estimates of current fertility from the 1980 Korean census," by Robert D. Retherford, Lee-Jay Cho, and Nam-Il Kim. 16 pp.

Vol. 9, no. 4, May 1983. "Ninth population census conference focuses on data processing and analysis," by Robert L. Hearn; "Durbin-Watson statistics for model life tables," by David P. Smith; "Publications that count," by Alice D. Harris; A report on the Australian Bureau of Statistics's preparations for the 1986 census from Brian Doyle; and various short news items. 16 pp.

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fertility." Chapter 31 in Determinants of Fertility in Developing
Countries: A Summary of Knowledge, eds. Rodolfo A. Bulatao and Ronald D.
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Chapman, Murray, and Judith Bennett, "Method and history of a
multidisciplinary field project: Population and resources of south
Guadalcanal, 1971-75." Yagl-Ambu (Papua New Guinea Journal of the Social

Sciences and Humanities) 7(2):47-76, 1980. (Date of publication was late 1982.)

Chen, Pi-chao, Xue-uan Tian, and Chi-hsien Tuan, "11m Chinese opt for 'only child glory certificate.'" People 9(4):12-15, 1982.

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Martin, Linda G., "Japan's old workers learn demographic facts of life." Asian Wall Street Journal, July 28 (commentary and analysis page).

Palmore, James A., "Monitoring of IEC for health and family welfare programmes." Centre Calling 18(1-2):10-14, 1983.

Park, Chai Bin, "Medical certification of cause of death." Journal of the Korean Medical Association 26:139-44, 1983 (in Korean).

_____, "Preference for sons, family size, and sex ratio: An empirical study in Korea. Demography 20(3):333-52, 1983.

_____, "Statistical methodologies of dose-response relationship in epidemiology." Journal of the University of Occupational and Environmental Health (Japan), 175-82, 5 suppl., 1983.

Shah, Nasra M., "Pakistani workers in the Middle East: Volume, trends, and consequences." International Migration Review, Fall, 1983.

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Cho, Lee-Jay, Andrew Mason, and Daniel B. Suits, "Education and development: Asian transformation." Paper presented at International Symposium on Aging Society, November 24-27, 1982, Nihon University, Tokyo.

Kunstadter, Peter, "Background factors for consideration in epidemiological studies on 'yellow rain' among Hmong people in Southeast Asia." Paper prepared for distribution at conference on Yellow Rain in Southeast Asia, April 15-16, 1983, Cambridge, Massachusetts. 7 pp.

_____, "Demographic processes and household composition: Data from an ethnically and socioeconomically diverse area in northwestern Thailand." Paper prepared for presentation at XIth International Congress of Anthropological and Ethnological Sciences, August 1983, Vancouver, B.C. 28 pp.

_____, "Household economics and household composition: Modernization of form and function of Skaw Karen households in northwestern Thailand." Paper presented at annual meeting of the American Anthropological Association, December 1982, Washington, D.C. 29 pp.

_____, "Population, resources and rural development." Paper presented at Conference of Asian Parliamentarians, September 1982, East-West Center. 17 pp.

- _____, "Some thoughts with regard to the study of compliance of clients to directions of practitioners." Paper presented at a Seminar in Primary Health Care, September 1982, John A. Burns School of Medicine, University of Hawaii. 6 pp.
- _____, "Women's occupational and domestic roles in a district town in northwestern Thailand." Paper presented at Association of Asian Studies, March 1983, San Francisco. 23 pp.
- Kunstadter, Peter, Kosin Amatayakul, Boonyong Pongprote, and Somboon Suprasert, "Epidemiology of abortion in Chiang Mai, northern Thailand." Paper presented at First International Symposium on Public Health in Asia and the Pacific Basin, March 1983, Honolulu.
- Lee, Sun-Hee, James T. Fawcett, Robert W. Gardner, and Ricardo G. Abad, "A contextual analysis of migration intentions in Ilocos Norte, the Philippines." Paper presented by Robert W. Gardner at the annual meeting of the Population Association of America, 16 April 1983, Pittsburgh. 18 pp.
- Minocha, Urmil, Fred Arnold, and Nasra M. Shah, "Asian labor migration to the Middle East: A synthesis of the literature." Paper presented at the Conference on Asian Labor Migration to the Middle East, September 19-23, 1983, East-West Center, Honolulu. 41 pp.
- Ong, Shao-er, "Small farm development in Asia: An overview of its problems and perspectives." Paper presented at an International Seminar on Adjustment of Small Farm Development and Land Tenure Systems in Asia, November 2-7, 1982, Taipei, Taiwan. Sponsored by the Food and Fertilizer Technology Center for the Asian and Pacific Region.
- Palmore, James A., "Seventeen methodological and conceptual issues in measuring the efficiency of family planning programs through multivariate areal analyses." Paper presented at the Workshop on the Impact and Efficiency of Family Planning Programs, August 1983, Bangkok, Thailand.
- Park, Chai Bin, "Statistical methodologies of dose-response relationship in epidemiology." Paper presented at the International Symposium on the Epidemiology in Occupational Medicine, October 24-25, 1982, Kitakyushu, Japan. Sponsored by the University of Occupational and Environmental Health, Japan.
- Park, Chai Bin, James A. Palmore, and Lee-Jay Cho, "Korean experiment for contraceptive distribution." Paper presented at the International Symposium of Reproductive Health Care, October 10-15, 1982, Maui, Hawaii. A Contraceptive Delivery System Symposium.
- Pejaranonda, Chintana, Minja Kim Choe, and Fred Arnold, "Own-children estimates of fertility for the provinces of southern Thailand based on the 1980 census." Paper presented at the Study Directors' Meeting on the Study of the Fertility Levels and Trends in the Countries of the ESCAP Region: Using the Census Data of 1970 and 1980, September 19-26, 1983, Pattaya, Thailand. 39 pp.

Riley, Nancy E., Peter C. Smith, and Josefina Valera-Cabigon, "Premarital sexual activity and the changing Filipino family." Paper presented at the Conference on Marriage Determinants and Consequences, May 30 - June 3, 1983, Pattaya, Thailand.

Smith, Peter C., "The individual, the family and the society." Paper presented at the Workshop on Family Research in Asia, July 24-29, 1983, Honolulu, Hawaii.

_____, "An inventory of propositions regarding the timing and prevalence of marriage." Paper presented at the Conference on Marriage Determinants and Consequences, May 30 - June 3, 1983, Pattaya, Thailand.

Smith, Peter C., Siew-Ean Khoo, and James T. Fawcett, "The migration of women to Asian cities: A comparative perspective." Paper presented at the annual meeting of the Association for Asian Studies, March 25-27, 1983, San Francisco.

Smith, Peter C., and Nancy E. Riley, "Menarche in the female life course: Survey evidence from Asia." Paper presented at the Conference on Marriage Determinants and Consequences, May 30 - June 3, 1983, Pattaya, Thailand.

Smith, Peter C., Sabiha H. Syed, and Mehtab S. Karim, "Marriage timing and fertility change: A generational perspective on village and city data from Pakistan." Paper presented at the Conference on Marriage Determinants and Consequences, May 30 - June 3, 1983, Pattaya, Thailand.

LECTURES AND ORAL PRESENTATIONS

Arnold, Fred, "Sex preference and fertility: The case of Korea." Graduate group in demography, University of California, January 12, 1983, Berkeley.

Fawcett, James T., "Destination Manila and Hawaii: Why Hokanos migrate." Philippine Studies Lecture Series, Center for Asian and Pacific Studies, University of Hawaii, March 3, 1983.

_____, "Filipino immigration." Invited lecture to class in Immigration to Hawaii, University of Hawaii, December 7, 1982.

_____, "Motivations for migration." Presentation to Working Group on Urbanization and Migration, East-West Population Institute, November 10, 1982.

_____. "The value of children and fertility change." Presentation to Asian/Pacific Journalism Seminar, East-West Communication Institute, December 14, 1982.

- _____, "World population growth and the changing value of children."
Taped interview for "Spectrum" radio series, December 16, 1983, Honolulu.
- Gardner, Robert W., "Migration." Annual meeting of the Association of
Population Libraries and Information Centers, April 13, 1983, Pittsburgh.
- Palmore, James A., "Population programs and development." Panelist at the
Fourth International East-West Center Alumni Conference, July 1983,
Singapore.

MISCELLANEOUS

- Arnold, Fred, "Measuring the effect of sex preference on fertility: The case
of Korea." Working Paper No. 12, Program in Population Research,
University of California, Berkeley, July 1983.
- Chapman, Murray, "Policy makers and circulation at the grassroots: South
Pacific and Southeast Asian examples." Report prepared for the
Population and Labour Policies Research Programme, Employment and
Development Department, International Labour Office, Geneva, Switzerland,
July 1983. 24 pp.
- Martin, Linda G., and A. Mason, "Family matrices: A technique for linking
generations." Unpublished monograph, November 5, 1982.
- Pejaranonda, Chintana, and Fred Arnold, "1980 population and housing census:
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Office, Bangkok, Thailand, 1983.
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of the 1980 population of Thailand." Bangkok, Thailand: National
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- Smith, Peter C., and Andrew Cherlin, "The family context of marriage timing:
Evidence from four Asian nations." Proposal submitted to the National
Science Foundation, August 1983.
- Smith, Peter C., and Apichat Chamratrithirong, "Conference on marriage
determinants and consequences: A brief synopsis." June 1983, Honolulu.
- Smith, Peter C., Mohammed Shahidullah, and Adelamar N. Alcantara, Cohort
Nuptiality in Asia and the Pacific: An Analysis of WFS Surveys. WFS
Comparative Studies no. 22. Voorburg, Netherlands: International
Statistical Institute, 1983. 34 pp.

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James F. Spitler, Statistician, International Demographic Data Center, U.S. Bureau of the Census, Washington, D.C.

Shyam Biharilal Srivastava, Director General, Central Bureau of Statistics, Kathmandu, Nepal

Bedh Prakash Upreti, Secretary, National Commission on Population, Kathmandu, Nepal

Mala Shirani Wijeyesekera, former East-West Center degree participant, Assistant-Director, Family Planning Association of Sri Lanka, Colombo, Sri Lanka

ECONOMIC DEVELOPMENT AND HUMAN RESOURCES

Fellows

Keith E. Adamson, Former Acting Director, East-West Population Institute, East-West Center, Honolulu, Hawaii

Mohammad Anwar, Chairman, Department of Sociology, University of the Punjab, Lahore, Pakistan

Burnham Campbell, Professor, Department of Economics, University of Hawaii, Honolulu, Hawaii

Sirilaksana Chutikul, Assistant Professor, Faculty of Economics, Thammasat University, Bangkok, Thailand

John C. Cool, Senior Fellow on Secondment, The Ford Foundation, New York, New York

Robert E. Evenson, Professor, Department of Economics, Yale University, New Haven, Connecticut

Kenichi Furuya, Professor of Economics, Nihon University, Tokyo, Japan

Cristela L. Goce, Research Assistant, Department of Economics, University of the Philippines, Quezon City, Philippines

Akira Koizumi, Professor, Department of Public Health, University of Tokyo, Tokyo, Japan

Sung Yeal Koo, Assistant Professor, Department of Economics, Yonsei University, Seoul, Republic of Korea

Sisdjiatmo Kusumosuwidho, Lecturer, Faculty of Economics, University of Indonesia, Jakarta, Indonesia

Richard K. C. Lee, Dean Emeritus and Professor, School of Public Health, University of Hawaii, Honolulu, Hawaii

Eleanor C. Nordyke, former Community Population Specialist, East-West Population Institute, East-West Center, Honolulu, Hawaii

Naohiro Ogawa, Deputy Director, Population Research Institute, Nihon University, Tokyo, Japan

Mathana Thanhasunthon Phananiramai, Assistant Professor, Faculty of Economics, Thammasat University, Bangkok, Thailand

Nipon Poapongsakorn, Lecturer, Faculty of Economics, Thammasat University, Bangkok, Thailand

Hananto Sigit, Chief, Research Analysis Division, Central Bureau of Statistics, Jakarta, Indonesia

Daniel B. Suits, Professor of Economics, Michigan State University, East Lansing, Michigan

Boon Nga Tay, Associate Professor, Economics Department, National University of Singapore, Kent Ridge, Singapore

Kenneth J. E. White, Associate Professor, Department of Economics, University of British Columbia, Vancouver, B.C., Canada

Research and Professional Interns

Wen-ling Chen, Research Assistant, Institute of the Three Principles, Academia Sinica, Taipei, Taiwan

Muhammad Hafeez, Research Assistant, Department of Sociology, Punjab University, Lahore, Pakistan

Salma Hafeez, Research Assistant, Department of Sociology, Punjab University, Lahore, Pakistan

Students

Howard Bulos, Pennsylvania, MA, Economics

Naris Chaiyasoot, Thailand, PhD, Economics

Suzanne Culter, Missouri, PhD, Sociology

Suganya Hutaserani, Thailand, PhD, Economics
Sang Hee Jeong, Republic of Korea, MA, Economics
Eung Seon Kang, Republic of Korea, PhD, Economics
Jae-Chun Kim, Republic of Korea, PhD, Economics
Won Nyon Kim, Republic of Korea, PhD, Economics
Abdul Majid Mat Salleh, Malaysia, PhD, Economics
Rachel Heruela Racelis, Philippines, PhD, Economics
Young-Soo Shin, Republic of Korea, PhD, Economics

Economic Development and Human Resources/Urbanization, Migration and Development

Participants

Pitamber Sharma, Staff Member, Nepal Commission on Population, Kathmandu, Nepal

HUMAN ECOLOGY RESEARCH SYMPOSIUM

Participants

Betty C. Abregana, Assistant Professor and Chairman, Psychology Department, Silliman University, Dumaguete City, Philippines

Sukaesinee Subhadhira, Instructor, Department of Social Sciences, Khon Kaen University, Khon Kaen, Thailand

FERTILITY AND THE FAMILY

Fellows

Kurt W. Back, James B. Duke Professor of Sociology, Duke University, Durham, North Carolina

Larry Lee Bumpass, Professor, Department of Sociology, University of Wisconsin-Madison, Madison, Wisconsin

Victor J. Callan, Lecturer in Psychology, University of Queensland, St. Lucia, Australia

Nam Hoon Cho, Senior Fellow, Family Planning Research Section, Korea Institute for Population and Health, Seoul, Republic of Korea

David H. Crowell, Professor of Psychology/Director, Newborn Psychology Research Laboratory, University of Hawaii, Honolulu, Hawaii

Ann Evans, Contraceptive Prevalence Studies Program, Westinghouse Electric Corporation, Columbia, Maryland

Lois W. Hoffman, Professor, Department of Psychology, University of Michigan, Ann Arbor, Michigan

Gavin W. Jones, Executive Director, Development Studies Center, Australian National University, Canberra, Australia

Mehtab S. Karim, former Consultant, Population Programmes and Projects Branch, Department of Technical Cooperation for Development, United Nations, New York, New York

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Paul Anthony Meyer, Ventura, California

Shao-er Ong, Associate, Agricultural Development Council, New York, New York

Paul Edward Perry, Senior Lecturer, Department of Sociology, Massey University, Palmerston North, New Zealand

Ronald R. Rindfuss, Associate Professor, Department of Sociology, University of North Carolina, Chapel Hill, North Carolina

William H. Sewell, Vilas Research Professor of Sociology, Department of Sociology, University of Wisconsin-Madison, Madison, Wisconsin

Nasra M. Shah, former Senior Research Demographer, Pakistan Institute of Development Economics, Islamabad, Pakistan

Orapin Singhadej, Associate Professor, Faculty of Public Health, Mahidol University, Bangkok, Thailand

James T. Trussell, Associate Professor of Economics and Public Affairs, Office of Population Research, Princeton University, Princeton, New Jersey

Jing-yuan Yu, Director, Control Theory Laboratory, Beijing Institute of Information and Control, Beijing, China

Research and Professional Interns

Byung Tae Park, Hawaii

Tauseef Ahmed, Research Associate, Pakistan Manpower Institute, Islamabad, Pakistan

Nitaya Khoman, Hawaii

Lynna-Marie Y. Sycip, Instructor, Department of Psychology, University of the Philippines, Manila, Philippines

Mohammad Ashraf Adeel, Student, University of Hawaii, Honolulu, Hawaii

Thomas E. Fricke, PhD Candidate, Department of Anthropology, University of Wisconsin-Madison, Madison, Wisconsin

Joint Doctoral Research Interns

Robert E. Jones, New York, Anthropology

Students

Chang-Seok Kim, Republic of Korea, PhD, Geography (project uncertain)

Nam Il Kim, Republic of Korea, PhD, Biostatistics and Epidemiology

Sun Hee Lee, Republic of Korea, PhD, Sociology

Marta J. Levitt-Merin, Hawaii, PhD, Anthropology

Katherine Ch'ui Lyle, United States, PhD, Biostatistics and Epidemiology

Kwang-Ho Meng, Republic of Korea, PhD, Biostatistics and Epidemiology

Jerald Plett, Hawaii, PhD, Sociology

Emma Estenzo Porio, Philippines, PhD, Sociology

Nancy Riley, Hawaii, MA, Sociology

Vija Maria Sehgal, Michigan, PhD, Biostatistics and Epidemiology

Dong-Sook Shin, Republic of Korea, MA, Sociology

Augustina Salvador Takashy, Truk, Federated Micronesia, MPH, Public Health

Elaine Yi-lan Tsui, Taiwan, PhD, Anthropology

Contraceptive Prevalence Working Group

Participants

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Haputantrige Rathnasiri Gunasekara, Statistician, Population Census Division, Department of Census and Statistics, Colombo, Sri Lanka

Hee-Soon Hahm Lee, Researcher, Survey Statistics Section, Korea Institute for Population and Health, Seoul, Republic of Korea

Velupillai Sivapragasam Ratnasingham, Assistant Director, Department of Census and Statistics, Colombo, Sri Lanka

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Budi Utomo, Head, Department of Biostatistics, Faculty of Public Health, University of Indonesia, Jakarta Pusat, Indonesia

Family Research in Asia Workshop

Participants

Moertiningsih Adioetomo, Junior Research Associate, Lembaga Demografi, Jakarta, Indonesia

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Wanni Wibulswasdi Anderson, Lecturer, Laboratory of Human Development, Harvard University, Cambridge, Massachusetts

Aphichat Chamrathirong, Associate Professor, Institute for Population and Social Research, Mahidol University, Bangkok, Thailand

Paul P.L. Cheung, Lecturer, Social Work Department, National University of Singapore, Kent Ridge, Singapore

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Sabiha Hassan Syed, Director General, Women's Division Cabinet Secretariat, Government of Pakistan, Islamabad, Pakistan

Arland Thornton, Senior Study Director, Population Studies Center, The University of Michigan, Ann Arbor, Michigan

Mei-Ling Young, Lecturer, Universiti Sains Malaysia, Minden, Penang, Malaysia

Fertility and Family in Transition

Participant

Gayl D. Ness, Director, Program in Population Planning, University of Michigan, Ann Arbor, Michigan

Marriage Determinants and Consequences Conference

Participants

Josefina Valera-Cabigon, Assistant Professor, Population Institute, University of the Philippines, Manila, Philippines

Aphichat Chamratrithirong, Associate Professor, Institute for Population and Social Research, Mahidol University, Bangkok, Thailand

Paul P.L. Cheung, Lecturer, Social Work Department, National University of Singapore, Singapore

Nibhon Debavalaya, Director and Associate Professor, Institute of Population Studies, Chulalongkorn University, Bangkok, Thailand

Sirisen Gamage, Lecturer, Department of Sociology, University of Peradeniya, Peradeniya, Sri Lanka

Neelambar M. Hatti, Associate Professor, Department of Economic History, University of Lund, Lund, Sweden

Napaporn Havanon, Lecturer, Institute for Population and Social Research, Mahidol University, Bangkok, Thailand

Peerasit Kamnuansilpa, Professor, Research Center, National Institute for Development Administration, Bangkok, Thailand

Uraivan Kanungsukkasem, Assistant Professor, Institute for Population and Social Research, Mahidol University, Bangkok, Thailand

Richard Leete, Demographer, United Nations Economic and Social Commission for Asia and the Pacific, Bangkok, Thailand

Bhassorn Limanonda, Assistant Professor and Research Associate, Institute for Population Studies, Chulalongkorn University, Bangkok, Thailand

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Rolf Eric Ohlsson, Associate Professor, Department of Economic History, University of Lund, Lund, Sweden

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Pramote Prasartkul, Director, Institute for Population and Social Research, Mahidol University, Bangkok, Thailand

Akin Rabibhadana, Director, Research and Development Institute, Khonkaen University, Khonkaen, Thailand

Jawalaksana Rachapaetayakom, Head, Population Sector, National Economic and Social Development Board, Bangkok, Thailand

P.H. Reddy, Director, India Population Project, Population Center, Bangalore, India

Sabiha Hassan Syed, Director General (Programme), Women's Division, Cabinet Secretariat, Government of Pakistan, Islamabad, Pakistan

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Students

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Prakarn Arphasil, Thailand, PhD, Economics

Ronald Campbell, Ohio, MA, Economics

Thomas Englert, Wisconsin, PhD, Sociology

Ludmilla Kwitko, Australia, PhD, Sociology

Seon Lee, Republic of Korea, MA, Economics

Maria Claudio Lizada, Philippines, MS, Public Health

Cynthia Prelosky Naval, Guam, MS, Public Health

Anthony Pramualratana, Thailand, MA, Sociology

Tokiko Sato, Japan, PhD, Geography

Christine Smith, Indiana, MA, Geography

Yvonne Underhill, New Zealand, MA, Geography

Haiou Yang, China, MA, Sociology

RMC-EAPI/PI/RSI

Research and Professional Interns

Albert J. Fernando, Project Director, Population Information Centre,
Colombo, Sri Lanka

Feng-li Ma, Library Clerk, China Population Information Centre, Beijing,
China

SPECIAL PROGRAMS

Fellows

Sung Ok Cho, President, Korea Research Foundation, Seoul, Republic of Korea

Doo-Seung Hong, Professor, Department of Sociology, Seoul National
University, Seoul, Republic of Korea

Sam Soo Hur, former Vice Minister, Government of Korea, Seoul, Republic of
Korea

Fukuji Kawarazaki, Administrative Officer, Population Research Institute,
Nihon University, Tokyo, Japan

Suk Joon Suh, Seoul, former Minister, Government of Korea, Seoul, Republic
of Korea

Participants

Doo Y. Hwang, Director, Industrial Policy Division, Economic Planning Board,
Seoul, Republic of Korea

Dai Young Kim, Director General, Bureau of Economic Planning, Seoul,
Republic of Korea

Kun K. Lee, Deputy Director, Bureau of Economic Planning, Seoul, Republic of
Korea

Parliamentarians Seminar

Participants

Kok Peng Ang, Professor of Chemistry, National University of Singapore,
Singapore

Piya Angkinantana, Member of House of Representatives, Thai AIPO National Group, Thai National Assembly, Bangkok, Thailand

Yuliddin Away, Member of Parliament, (Commission VIII), Jakarta, Indonesia

Abdullah Fadzil Che Wan, Senator, Malaysia, Ipoh, Perak, Malaysia

Socorro G. De Castro, Assemblywoman, International Relations Service, Quezon City, Manila, Philippines

Benjamin D. de Leon, Executive Director, ASEAN Population Coordination Unit, National Family Planning Coordinating Board, Jakarta, Indonesia

Fachrurazy, Member of Parliament, (Commission VIII), Jakarta, Indonesia

Datin Nahariah bte Hussain, Deputy Director, National Family Planning Board, Kuala Lumpur, Malaysia

Hironori Inoue, Representative, House of Representatives, Tokyo, Japan

Toru Ishimitsu, Chairman, Department of Economics, Kobe, Japan

Shigero Ishimoto, Senator, House of Councillors, Tokyo, Japan

Boontium Khamapirad, Deputy Minister, Ministry of Communication, Bangkok, Thailand

Tsu Koon Koh, Member of Parliament, Malaysia, Penang, Malaysia

Toshio Komoto, House of Representatives, Tokyo, Japan

Toshio Kuroda, Project Director, Population Research Institute, Nihon University, Tokyo, Japan

Ping Sum Lau, Member of Parliament, Overseas Union Bank, Singapore

Roberto Nazareno, Director, Manila, Philippines

Naohiro Ogawa, Deputy Director, Population Research Institute, College of Economics, Nihon University, Tokyo, Japan

Abdul Hamid Pawanteh, Medical Practitioner, Malaysia, Perak, Kangar Perlis, Malaysia

Prasap Ratanakorn, Member of Executive Committee, Thai AIPO National Group, Thai National Assembly, Bangkok, Thailand

Carmencita O. Reyes, Assemblywoman, Quezon City, Manila, Philippines

Warren C. Robinson, Staff, The Population Council, Dhaka, Bangladesh

Tuan Ismail Said, Y.B., Rumah UMNO Kemaman, Trengganu, Malaysia

Panangian Siregar, Member of Parliament, (Commission VIII), Jakarta, Indonesia

R. Rahardi Sumardjo, Member of Parliament, (Commission VIII), Jakarta, Indonesia

Peter Patta Sumbung, Vice Chairman, National Family Planning Coordinating Board, Jakarta, Indonesia

Swardjono Surjaningrat, Minister of Health and Chairman, National Family Planning Coordinating Board, Jakarta, Indonesia

Haryono Suyono, Deputy Chairman, National Family Planning Board, Jakarta, Indonesia

Dato daud Hj. Taha, Y.B., Member of Parliament, Malaysia, Johor Bharu, Malaysia

Eimatsu Takakuwa, Senator, House of Councillors, Tokyo, Japan

Kunio Tanaka, Laboratory of Social Psychology, Kansai Gakuin University, Nishinomiya, Japan

Yuji Tsushima, Representative, House of Representatives, Tokyo, Japan

Kosaku Wada, Representative, House of Representatives, Tokyo, Japan

Tuantong Yodavudh, Senator and Secretary General, Thai AIPO National Group, Thai National Assembly, Bangkok, Thailand

SUMMER SEMINAR

Fellows

Roland J. Fuchs, Professor and Chairman, Department of Geography, University of Hawaii, Honolulu, Hawaii

Robert J. Lapham, Study Director, Committee on Population and Demography, U.S. National Academy of Sciences, Washington, D.C.

14th Summer Seminar in Population

Participants

Subhas Chandra, Head, School of Education, University of the South Pacific, Suva, Fiji

Rawon Chaumpluk, Lecturer, Department of Social Science, Prince of Songkhla University, Pattani, Thailand

Corazon Cruz, Senior Planning Officer, Office of Commission for Planning, Metropolitan Manila Commission, Quezon City, Philippines

Alfonso C. Del Fierro, Jr., Associate Professor, Research Institute for Mindanao Culture, Xavier University, Cagayan de Oro City, Philippines

Sonalde B. Desai, PhD Candidate, Department of Sociology, Stanford University, Stanford, California

Nurhayati Djamzuri, Chief, Subdivision Population Research Methodology, National Family Planning Coordinating Board (BKKBN), Jakarta, Indonesia

Marie-Michelle Edouard, Administrator, Petion-Ville Health Center, Port-au-Prince, Haiti

Robert A. Feldman, Graduate Student, Office of Population Research, Princeton University, Princeton, New Jersey

Rosa R. Fortaleza, Senior Population Research Assistant, Commission on Population, Manila, Philippines

Linda Gage, Chief, Population Research, Department of Finance, Sacramento, California

Helen Garrison, PhD Candidate, Food Research Institute, Stanford University, Stanford, California

Radhey Shyam Goyal, Senior Research Officer, Population Research Center, Punjab University, Chandigarh, India

Socorro A. Gultiano, Research Associate, Office of Population Studies, University of San Carlos, Cebu City, Philippines

Abdul Samad Hadi, Lecturer, University Kebangsaan Malaysia, Bangi, Selangor, Malaysia

Jing-Qing Han, Professor, Academia Sinica, Institute of Systems Science, Beijing, China

P.S.R. Harnath, Assistant Director, State Family Welfare Bureau, Hyderabad, India

Abdullah Heidar, Researcher, Jember University, Jember, East Java, Indonesia

Cheng-Chung Hsia, Senior Specialist, Council Economic Planning and Development, Executive Yuan, Taipei, Taiwan

Jia-Hsing Hsiao, Regional Planner, Construction and Planning Administration, Ministry of Interior, Taipei, Taiwan

Baosheng Hu, Professor and Director, Population Studies Center, Xian Jiaotong University, Xian, China

A. Meredith John, Graduate Student, Princeton University, Princeton, New Jersey

Bal Kumar K.C., Reader, Department of Geography, Tribhuvan University, Kathmandu, Nepal

Seiichi Kagaya, Research Assistant, Graduate School of Environmental Science, Hokkaido University, Sapporo, Hokkaido, Japan

Genevieve M. Kenney, Graduate Student, Population Studies Center, University of Michigan, Ann Arbor, Michigan

Dong Hoy Kim, Demographer, National Bureau of Statistics, Seoul, Republic of Korea

Young-Kwa Kim, Assistant Director, Social Development Planning Division, Economic Planning Bureau, Economic Planning Board, Seoul, Republic of Korea

Jitpai Kirant, Assistant Specialist, National Commission on Population, Kathmandu, Nepal

Robert M. Kleinbaum, Mellon Research Associate, Population Studies Center, University of Michigan, Ann Arbor, Michigan

Boon Thong Lee, Lecturer, Department of Geography, University of Malaya, Kuala Lumpur, Malaysia

Kam-to D.S. Leung, Senior Statistician, Strategic Planning Unit, Hong Kong

Hui-Sheng Lin, Chief, Research and Planning Division, Taiwan Provincial Institute of Family Planning, Taichung, Taiwan

Fu-Chen Lo, New Jersey

Kenji Makino, Staff Writer, The Mainichi Newspapers, Tokyo, Japan

John Malcolm McDonald, Reader in Economics, Flinders University of South Australia, Bedford Park, Australia

Mark R. Montgomery, Assistant Professor of Economics, Office of Population Research, Princeton University, Princeton, New Jersey

Frank T. Nieder, Graduate Student, Princeton University, Princeton, New Jersey

Cayetano W. Paderanga, Jr., Assistant Professor, School of Economics, University of the Philippines, Quezon City, Philippines

Ofelia D. Pardo-Saniel, Instructor, Department of Epidemiology and Biostatistics, University of the Philippines, Manila, Philippines

Darane Pukdeasa, Statistician, Research and Evaluation Section, Ministry of Public Health, Bangkok, Thailand

Bishwambher Pyakuryal, Lecturer, Tribhuvan University, Kathmandu, Nepal

Naushin Mahmood Qureshi, Research Demographer, Pakistan Institute of Development Economics, Islamabad, Pakistan

Nazileh Ramli, Research Assistant, National Family Planning Board, Kuala Lumpur, Malaysia

Rohani Ab. Razak, Research Officer, National Family Planning Board, Kuala Lumpur, Malaysia

Yasuhiko Saito, Research Assistant, Population Research Institute, Nihon University, Tokyo, Japan

Kamal Bin Mat Salih, Deputy Vice Chancellor, Universiti Sains Malaysia, Penang, Malaysia

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Satya Pal Sharma, Deputy Director of Census Operations, c/o Directorate of Census Operations, Port Blair, India

Joon-Shik Shin, Assistant Professor, Daegu University, Daegu, Republic of Korea

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Elizabeth H. Stephen, Demography Trainee, Population Research Center, University of Texas, Austin, Texas

Sunanta Suwannodom, Associate Professor, Institute of Population Studies, Chulalongkorn University, Bangkok, Thailand

Prem Prasad Talwar, Professor and Department Head, Department of Statistics and Demography, National Institute of Health and Family, New Delhi, India

Eva K. Tan, Director, Socio-Economic Research Center, Notre Dame University, Cotabato City, Philippines

Siew E. Tan, Lecturer, School of Social Sciences, Universiti Sains Malaysia, Penang, Malaysia

Lucky M. Tedrow, Director, Demographic Research Laboratory, Western Washington University, Bellingham, Washington

Andrew D. Trlin, Senior Lecturer, Department of Sociology, Massey University, Palmerston North, New Zealand

Taveeporn Tuwicharanon, Statistician, Population Survey Division, National Statistical Office, Bangkok, Thailand

Victor Eng Lye Wee, Senior Assistant Director, Economic Planning Unit, Prime Minister's Department, Kuala Lumpur, Malaysia

Ming-Shiunn Wei, Division Chief, Department of Statistics, Ministry of Interior, Taipei, Taiwan

Yue-Man Yeung, Associate Director, International Development Research Centre, Ottawa, Canada

Killian P.H. Ying, Graduate Student, Department of Geography, Ohio State University, Columbus, Ohio

Mei-yu Yu, Graduate Student, Population Research Center, The University of Texas, Austin, Texas

Urbanization, Migration and Development

Fellows

Ricardo G. Abad, Research Associate, Institute of Philippine Culture, Ateneo De Manila University, Manila, Philippines

Aphichat Chamrathirong, Assistant Professor, Institute for Population and Social Research, Mahidol University, Bangkok, Thailand

Keng Kun Choo, Lecturer (Sociology), School of Social Sciences, Universiti Sains Malaysia, Penang, Malaysia

Gordon F. DeJong, Professor of Sociology/Director, Population Issues Research Office, The Pennsylvania State University, University Park, Pennsylvania

Alice Goldstein, Researcher, Population Studies and Training Center, Brown University, Providence, Rhode Island

Sidney Goldstein, Director, Population Studies and Training Center, Brown University, Providence, Rhode Island

Philip Morris Hauser, Lucy Flower Professor Emeritus of Urban Sociology and Director Emeritus, Population Research Center, University of Chicago, Chicago, Illinois

Mahendra K. Premi, Associate Professor, Centre for the Study of Regional Development, Jawaharlal Nehru University, New Delhi, India

Anchalee Singhanetra-Renard, Assistant Professor, Faculty of Social Sciences, Chiang Mai University, Chiang Mai, Thailand

Charles Stahl, Senior Lecturer, Department of Economics, The University of Newcastle, New South Wales, Australia

Research and Professional Interns

Hajime Ishida, Senior Researcher, Research Planning Department, National Institute for Research Advancement, Tokyo, Japan

Rene M. Rivas, Research Assistant, Institute of Philippine Culture, Ateneo de Manila University, Manila, Philippines

Hary Sudarsono, Research Associate, Population Studies Center, National Institute of Economics and Social Research, Jakarta Pusat, Indonesia

Fernando Nakpil Zialcita, PhD Student, Department of Anthropology, University of Hawaii, Honolulu, Hawaii

Joint Doctoral Research Interns

Ann M. Bouslog, New York, Sociology

Maria Fe Fontanilla Caces, Philippines, Sociology

Thomas E. Fricke, Wisconsin, Anthropology

Students

Adelamar Novino Alcantara, Hawaii, PhD, Sociology

Ratana Ariyavisitakul, Thailand, MA, Sociology

Dilli Ram Dahal, Nepal, PhD, Anthropology

Arlyne Gaerlan De Los Santos, Philippines, PhD, Sociology

Tommy Firman, Indonesia, PhD, Geography

Robert Franco, California, PhD, Anthropology

Randall James, Kentucky, MA, Sociology

Anita Lim-Thomas, Philippines, PhD, Anthropology

Dharmayati B.U. Lubis, Indonesia, MA, Psychology

Chai Podhisita, Thailand, PhD, Anthropology

Ann Turner, Australia, MA, Geography

Mala Shirani Wijeyesekera, Sri Lanka, MA, Sociology

William Wood, California, PhD, Geography

Conference on Asian Labor Migration to the Middle East

Participants

Nasreen Abbasi, Staff Demographer, Pakistan Institute of Development Economics, Islamabad, Pakistan

Jonathan Addleton, Graduate Student, Fletcher School of Law and Diplomacy, Tufts University, Medford, Massachusetts

Joji V. Aragon, Labor Affairs Officer, Ministry of Labor and Employment, Manila, Philippines

Paul Balaran, Program Officer, International Affairs Program, The Ford Foundation, New York, New York

Judy Barsalou, Assistant Program Officer, International Affairs Program, The Ford Foundation, New York, New York

Nazli Choucri, Professor, Department of Political Science, Massachusetts Institute of Technology, Cambridge, Massachusetts

Il-Lae Chough, Chief Director, Seoul Central Regional Office, Ministry of Labor, Seoul, Republic of Korea

Jeffrey D. Cortazar, Head Executive Assistant, Philippine Overseas Employment Administration, Ministry of Labor and Employment, Manila, Philippines

Lionel Demery, Advisor on Population and Employment Research, International Labor Organization Regional Office for Asia and the Pacific, Bangkok, Thailand

Carmelita S. Dimzon, Head Overseas Employment Officer, Philippines Overseas Employment Administration, Manila, Philippines

Ijaz Gilani, Assistant Professor, Department of International Relations, Quaid-i-Azam University, Islamabad, Pakistan

Stella Peralta Go, Research Associate, Integrated Research Center, De La Salle University, Manila, Philippines

Leela Gulati, Honorary Associate Fellow, Center for Development Studies, Trivandrum, India

Saiyed Shamsul Hoda, Joint Secretary, Ministry of Labor and Manpower, Islamabad, Pakistan

Charles B. Keely, Staff, The Population Council, New York, New York

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Raja Bertram Maligaspe Korale, Director, Employment and Manpower Planning Division, Ministry of Plan Implementation, Colombo, Sri Lanka

R. Sivasankara Kurup, Consultant, Family Planning Foundation, New Delhi, India

Raisul Awal Mahmood, Graduate Student, Institute of Development Studies, Sussex University, Brighton, England

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Catherine Alison McIntosh, Research Scientist/Lecturer, Center for Population Planning, University of Michigan, Ann Arbor, Michigan

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Peeratthep Roongshivin, Chief, Wages and Employment Section, National Economic and Social Development Board, Bangkok, Thailand

Patricia A. Santo Tomas, Administrator, Philippine Overseas Employment Administration, Ministry of Labor and Employment, Manila, Philippines

Abul Mamun Abdullah Hussain Siddiqui, Director General, Manpower Planning Center, Ministry of Labor and Manpower, Dhaka, Bangladesh

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John E. Smart, Senior Lecturer, Sociology Department, University of Newcastle, Newcastle, New South Wales, Australia

Charles Wynn Stahl, Senior Lecturer, Department of Economics, University of Newcastle, Newcastle, Australia

A.K. Tandon, Joint Secretary, Department of Labour, Ministry of Labor and Rehabilitation, New Delhi, India

Virginia Teodosio, PhD Candidate, Department of Industrial Relations, University of Sydney, New South Wales, Australia

Carol Vlassoff, Program Officer, Social Sciences Division, International Research Development Centre, Ottawa, Canada

Myron Weiner, Professor, Department of Political Science, Massachusetts Institute of Technology, Cambridge, Massachusetts

Migration and Urbanization Working Group

Participants

Maria Fe Fontanilla Caces, Assistant Professor of Sociology, University of the Philippines, Baguio City, Philippines

Mobility in the Pacific

Participants

Joel Bonnemaïson, Research Officer, l'office de la Recherche Scientifique et Technique Outre-Mer, Paris, France

Anne Buttner, Professor, Department of Social and Economic Geography, University of Lund, Lund, Sweden

E.M.K. Douglas, Senior Lecturer, Center for Maori Studies, University of Waikato, Hamilton, New Zealand

Ian Frazer, Lecturer, Department of Anthropology, University of Otago, Dunedin, New Zealand

Fay Gale, Professor, Department of Geography, University of Adelaide, Adelaide, Australia

Nancy B. Graves, Research Associate, Oakes College, University of California at Santa Cruz, Santa Cruz, California

Ted Graves, Research Associate, Oakes College, University of California at Santa Cruz, Santa Cruz, California

Roderic Lacey, Staff, Ballarat Campus, Institute of Catholic Education, Ballarat, Victoria, Australia

Brij V. Lal, Lecturer, Department of History, School of Social and Economic Development, University of the South Pacific, Suva, Fiji

Ronald Lucardie, Institute Voor Culturele en Social Antropologie, Katholieke Universiteit, Nijmegen, Netherlands

Dawn Marshall, Lecturer, Institute of Social and Economic Research, University of the West Indies, Barbados, West Indies

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Resource Systems Institute

John Bardach, Acting Director

The Resource Systems Institute (RSI) conducts research on (1) how nations can maintain adequate, equitable, and reliable access to natural resources, and (2) how nations can efficiently manage the development and utilization of natural resources to achieve national development goals. Projects range in scope from economic and policy analyses to investigations of the suitability of various technologies. RSI is exploring the feasibility, advantages, and costs of moving the resource systems of the Asian/Pacific region toward greater stability and resilience, with special attention to national development, international linkages, and trade. International teams are conducting research in three interrelated program areas: food, energy, and raw materials.

Program Area 1--Food Systems

Central to the Food Systems program is the improvement of institutional and policy aspects of food security in the Asian/Pacific region, and an examination of complex issues involved in developing more effective food production and distribution methods. Food Systems has five active projects: (1) Trade, Food Security, and Agricultural Policy analyzes the effects of modernization and government policy on agricultural organization and rural welfare and identifies how existing policies affect agricultural development in Asian countries; (2) Biotechnology and Food Production investigates the use of indigenous, safe, and renewable resources for food production, with emphasis on crop protection; (3) Food Security Planning deals with ecologic, economic, and social factors that affect food production and distribution; (4) Food, Fuel, and Urbanization is described below; and (5) The Future of Agriculture, with emphasis on irrigation, is also highlighted below.

Food, Fuel, and Urbanization. With rapid urbanization affecting several Asian countries, there are compelling reasons for large cities to become the major focus of food and fuel security studies. First, rising expectations in large cities are most intense and contagious. Second, the number of poor and malnourished city dwellers has been increasing rapidly. Third, physical and institutional urban infrastructures, such as market mechanisms and administrative capacities, tend to break down under heavy demands of urban growth. And fourth, industrial and residential land requirements have caused food and fuel sources to recede from the city. These are some of the critical factors that impair food and fuel provision, particularly for the disadvantaged.

In cooperation with the Population Institute, RSI is examining the outlook for urban food and fuel systems during the next 10 to 20 years. In one project, the central focus is on the demand for nonstaple foods (protein, vegetables) and for household fuels in selected cities of South and

Southeast Asia, with particular attention to consumption patterns by income group and occupation. To date, results indicate: (1) erratic shifts in demand as rural dwellers move into cities; and (2) an increased role in providing food and fuel for the so-called "informal sector" (small-scale food processing and distributing as well as fuel supplying industries). The "informal sector's" role is being analyzed in another component of this multidisciplinary project in cooperation with the Equity Policy Center (EPOC) of Washington, D.C. Research is now underway in the Philippines and Indonesia.

This project is assessing food transfer, storage, and near-city foodshed systems as well as the possibilities for improved efficiency in fuel use. Innovative, ecologically-sound production methods are being critically examined as alternatives to conventional systems, including intensive urban gardening, near-city aquaculture, and use of sewage and other wastes. This assessment takes into account emerging pressures on renewable and nonrenewable resources and the resilience of natural and human ecosystems.

Future of Agriculture: Irrigation. Expanded agricultural production and productivity in South and Southeast Asia during the 1960s and 1970s depended significantly on the development, improvement, and expansion of irrigation facilities. In the 1980s and 1990s, the challenge will be for food supplies to keep pace with population growth.

Irrigation investment by governments in the region will continue to be a major feature of agricultural development, along with improved technologies, research-extension systems, and related policies. An emerging trend in irrigation development is the increasing interaction between irrigation agencies and existing groups of irrigators--small systems established by farmers themselves. The project has focused on agency interactions with the indigenous irrigation systems to determine which strategies work, and how the effective approaches can be translated into development of operational projects.

Research activities in cooperation with the Ford Foundation, Cornell University, and the Asian Institute of Management resulted in four doctoral dissertations and case studies on the interaction of small systems with irrigation agencies in the Philippines, Thailand, Indonesia, Sri Lanka, and Nepal. This research showed that in many parts of South and Southeast Asia, indigenous irrigation systems comprise a major portion of total irrigated areas.

The year was highlighted by an international conference involving senior irrigation agency administrators; local project representatives; social scientists from nine countries in the region; and senior participants from the Ford Foundation, World Bank, Asian Development Bank, International Labor Organization, and U.S. Agency for International Development. The conference was co-sponsored by the East-West Center, Asian Institute of Management, Cornell University, National Irrigation Administration of the Philippines, and Ford Foundation.

Program Area 2--Energy Systems

The two most critical energy problems facing the Asian/Pacific region are accommodating economic and political shifts in the world petroleum market and providing sufficient high-quality fuels for economic development.

The Energy Systems program addresses these problems through six projects: (1) OPEC Downstream identifies structural changes in the world oil market and the impact of these changes on the energy options of nations in the region; (2) Energy and Rural Development examines policies and methods required to strengthen the ability of rural people in developing countries to organize energy resources and technologies; (3) Energy and Industrialization evaluates energy resource development and demand management policies to enable developing countries to reduce their dependence on imported oil, especially in manufacturing and transportation; (4) Electric Futures evaluates the past performance and future prospects of the electric power industry in several Asian countries in order to recommend possible policy change; (5) Pacific Energy Studies assists small island nations meet their energy needs; and (6) Rural Biomass Fuels and Air Pollution, a joint project with the Environment and Policy Institute, measures and analyzes the exposure of women and other family members to pollutants from combustion of biomass fuels in domestic cooking. The first two projects are described in greater detail.

OPEC Downstream. Ongoing research examines downstream hydrocarbon processing (refining and petrochemicals) and tanker transportation within nations of the Organization of Petroleum Exporting Countries, as well as the implications of these developments for the world oil market and the consequent impact on both developed and developing nations.

The study was initiated when massive excess capacities in refining, tanker transportation, and petrochemicals in oil-importing countries were observed. At the same time, OPEC nations, for both economic and noneconomic reasons, have embarked on massive additions to their own downstream capacities. Thus, OPEC downstream additions cause an unavoidable need for readjustment. The project is identifying strategies to reduce the difficulty of readjustment and to possibly take advantage of some of these developments. The project has been supported by a grant from the U.S. Department of Energy in addition to East-West Center funds.

The OPEC Downstream project has developed major engineering economic models and data bases and, in the past 18 months, has earned an international reputation as a major source of information and analysis for governments, industry, and academia. Major oil industry journals have described and quoted sections of project reports on more than 30 occasions. Dozens of special studies, a number of books, and many published papers were used to disseminate information on this issue, including a major book: OPEC, The Gulf, and the World Petroleum Market (Westview Press, 1983).

The project's interim findings include: (1) detailed information about the structure, timing, size, and costs of the downstream buildup in OPEC; (2) documentation of large refining and petrochemical capacity buildup in the

Persian Gulf, which increases the strategic importance of the region; (3) indications that volumes of refined products and petrochemicals from OPEC destined for the U.S. will be relatively small for economic and political reasons; (4) signs that energy security and profitability in OPEC's emerging export strategy in Europe and the Far East will be significantly affected; and (5) evidence that a number of U.S. oil majors are involved in these OPEC marketing efforts, essentially as partners.

Energy for Rural Development. The objective here is to strengthen the ability of rural residents to identify, assess, and organize energy resources and technologies to meet their basic as well as development needs. Methods of policy, technology, and development research are distilled in the project's forthcoming publication, Rural Energy to Meet Development Needs: Asian Village Approaches (Westview Press). The book completes the first phase of a program organized cooperatively by RSI with rural energy planning, research, and agencies in Bangladesh, India, Indonesia, Nepal, Philippines, Sri Lanka, Thailand, and the United States.

Two policy issues linking nonrenewable and renewable energy resources form the background for this volume: (1) rising prices and supply instability of petroleum-based fuels, with uncertainties also affecting the production of fertilizer and pesticides; and (2) widening environmental depletion partly associated with significant reliance by rural residents on biomass fuels for cooking.

This project has served as the basis for rural energy planning in several Asian countries in cooperation with the United Nations Development Programme (UNDP), the Food and Agriculture Organization (FAO), and the Economic Coordination Bureau of the People's Republic of China.

Building on this work, Chulalongkorn University's Social Research Institute, Bangkok, and RSI are cooperating with other Asian and Pacific institutions in initiating the next phase of the project which will strengthen rural communities' abilities to engage in energy problem-solving through better linkages with national scientific, planning, and technology agencies. In 1983, a course design and curriculum were formulated to develop capabilities in participatory action research for rural energy development.

Program Area 3--Raw Materials Systems

The Raw Materials Systems program is identifying and evaluating policy and strategy options to help nations obtain greater benefits from exploration and development of their mineral resources, both land-based and marine. Of particular concern are issues that could lead to increased international tensions over mineral resource development and trade in the Circum-Pacific region. The three project areas include: (1) minerals assessment and development planning; (2) minerals and development; and (3) strategic minerals.

Minerals Assessment and Development Planning. The focus of this project is on assisting planners in developing countries to more effectively integrate mineral resource estimates in regional and national development planning.

In FY83, a program was initiated to evaluate effects of improved geological information on several development decisions in Papua New Guinea. This project is co-sponsored with the PNG government and includes seven resource policy studies to be completed by June 1984.

A mineral resource assessment model, developed for application in the United States, was modified to fit characteristics of developing country settings. Applications of the model are planned for Indonesia and Papua New Guinea in FY84.

In June 1983, a workshop was held at the East-West Center to review the status of a major Circum-Pacific Map Project. The project team has been systematically compiling known geological and mineral resource information for the Pacific Ocean basin and surrounding countries. The workshop brought together 32 scientists from 11 countries who are responsible for coordinating the work among the many nations involved in this program.

Minerals and Development. Examination centers on the changing role of minerals in developing economies. The objective is to increase governments' understanding of the positive and negative aspects of minerals development.

Strategic Minerals. The current potential of strategic minerals in the Circum-Pacific region is far larger than indicated by previously published estimates. The objective of this project is to better understand the physical distribution of the resources in the Circum-Pacific region, and to estimate their economic potential in light of evolving international trade patterns and commodity markets.

During the past two years, research has focused on estimating distribution of three important strategic minerals: chromite, cobalt, and manganese. During FY83, research focused on cobalt-rich manganese crusts found on marine seamounts and guyots within the 200-mile exclusive economic zone of the Hawaiian Archipelago extending to Midway Island. Preliminary estimates for the region indicate that should 5 to 10 percent of the manganese crusts have future commercial potential, then from 90 to 180 years' supply of cobalt and 25 to 50 years' supply of manganese could be provided at present levels of U.S. consumption. It is also believed that rich manganese-crust deposits exist within the 200-mile exclusive economic zones of island nations of the Pacific.

Special Projects

Beginning in 1978, RSI has held annual "Asia-Pacific Energy Studies Consultative Group Meetings" in Honolulu for leaders in the energy field. In FY83, APESC VI dealt with electric power development in Asian nations. Senior policy makers, chiefs of planning commissions, and executives of donor agencies from throughout the region met at the Center to discuss national and international energy policy making.

RESOURCE SYSTEMS INSTITUTE

Staff

Acting Director

John Bardach, PhD Zoology, University of Wisconsin, 1949. Acting Food Program Leader; affiliate Professor at University of Hawaii in the Departments of Geography, Oceanography, and Zoology. Served as Director of Hawaii Institute of Marine Biology, and chaired aquatic food sources team as part of the World Food and Nutrition Study of the National Research Council/National Academy of Sciences. A former faculty member at University of Michigan, is executive council member of the Pacific Science Association and board member of the Law of the Sea Institute. Special research interests: the relationship of aquatic ecology to economics, including resources management aspects of extended maritime jurisdiction.

Assistant Director

Robert H. Randolph, PhD History, Stanford University, 1978. Came to the Center from the International Institute for Applied Systems Analysis, Laxenburg, Austria, where he worked with an international team investigating patterns of technological change in national food and agriculture systems. Was formerly with the Institute for the Future, Middletown, Connecticut, and Menlo Park, California. Primary research interests: Long-term developments in science and technology, with special attention to their societal determinants and effects, and to the problems of international scientific cooperation.

Research Associates

Saleem Ahmed, PhD Soils Science, 1965, University of Hawaii (on East-West Center scholarship). Served as Technical Services Advisor with a multinational fertilizer manufacturing and marketing firm in Pakistan, with responsibilities for agricultural forecasting and directing agronomic research, extension, promotion, planning, and training functions; was formerly on faculty of the University of Karachi where he introduced Geological Applications of Soils as a graduate-level subject. Serves as consultant on agricultural development and marketing and use of agricultural chemicals to several international agencies and governments. Research interests include agricultural and rural development, alternatives to agricultural chemicals use, farmer decisionmaking, and social impact assessment of policy alternatives in agriculture.

Fereidun Fesharaki, PhD Economics, Surrey University, 1974. Affiliate Professor, Departments of Economics and Geography, University of Hawaii. Served as Energy Advisor to the former Prime Minister of Iran, being responsible for the coordination of national energy policies, as well as international petroleum policy of Iran. Repeatedly served as member of the Iranian delegation to the OPEC Ministerial Conference. Has been a Research Associate at the Center for Middle Eastern Studies of Harvard University and a Research Fellow at the Institute of International Political and Economic Studies in Tehran. Has taught at the National University of Iran and was Director of the Energy Project, Institute of Economic Research, Tehran

University. Special research interest: the international petroleum market and economic development in the Middle East.

Charles J. Johnson, PhD Mineral Economics, Pennsylvania State University, 1972; MS Geology, University of California, Riverside, 1968; Affiliate Professor, Department of Geography, University of Hawaii. Raw Materials Program Leader. Served as Commonwealth Secretariat Minerals Consultant to the Tanzanian Government, 1979; Ford Foundation Minerals Consultant to the Botswana Government, 1976-79; Program Manager of Minerals and Energy, National Science Foundation, 1974-75; Energy Economist, Federal Energy Administration, 1974; and Corporate Strategy Analyst with a major Australian mining company, 1971-73. Recently consultant to the United Nations and the Botswana Government. Special research interests: mineral policy and strategy formulation and application in developing countries with emphasis on technical and financial arrangements between multinational mining companies and governments; strategic minerals and future global mineral development patterns.

Yoon Hyung Kim, PhD Economics, Stanford University, 1971. Came to the Center in 1981. Served as Energy Project Leader, Asian and Pacific Development Centre, Kuala Lumpur, 1981; consultant, United Nations ESCAP, Bangkok, 1980-81; Director General of the Planning Bureau, Ministry of Energy and Resources, Seoul, 1977-80; senior fellow and chief of the Development Planning Office, Korea Development Institute, 1973-78; taught at Korea and Sogang Universities, 1973-77. Trained as a development economist, his special research interests are energy and industrial policies in east Asia.

Bruce Koppel, PhD Rural Sociology, Cornell University, 1973; Affiliate Professor, Department of Sociology, University of Hawaii. Spent two years in the Philippines working in the University of the Philippines College of Agriculture/Cornell University Graduate Education Program sponsored by Ford Foundation at Los Banos. Special research interests: technology assessments and social impacts analyses, regional and rural development, and institutional aspects of food policy.

Richard Morse, MA Economics, Harvard University, 1958. Joined the Center as Research Associate in 1974. Was independent consultant on South Asia investment and industrial development, 1969-74; served with Economic Cooperation Administration and Ford Foundation in Burma, 1951-56. Also was consultant to the Ministry of Industrial Development, Government of India, 1958-60 and 1964-66; and Senior International Economist, Stanford Research Institute, 1961-63 and 1966-69. Special research interests: local innovation, cooperative development, and socio-economic aspects of decentralized development paths.

Sam Pintz, MA Economics, San Jose State University, 1968. Came to Center after serving four years as First Assistant Secretary (Policy and Planning) in Papua New Guinea, Department of Minerals and Energy. Prior to PNG appointment, worked for four and a half years as Senior Economic Planner in the Republic of Botswana and spent three years as an economist with Gulf Oil Company. Principal research interest include: relationship and negotiating strategies pursued between multinational investors and LDC governments.

Further interests involve energy policy issues and planning options in small nations with limited administrative and financial resources.

James Roumasset, PhD Economics, University of Wisconsin, 1973. Taught microeconomics and public policy at University of California, Davis, 1971-76. Was Agricultural Development Council's representative to the Philippines, 1978-79. Spent seven years in the Philippines conducting research on farmer decision making and agricultural contracts and working directly with economic development projects. Collaborates closely with researchers in international agencies and institutions in Asia-Pacific Region on the economics of agricultural development. Currently holds joint appointment with University of Hawaii as Professor of Economics. Teaching and research focus on trade, food security and agricultural development policy.

Corazon M. Siddayao, PhD Economics, George Washington University, 1975; M.A., Economics, 1971. Concurrently holds appointment on the Affiliate Graduate Faculty, Department of Economics, University of Hawaii, and serves as intermittent consultant for the Asian Development Bank and the United Nations. Served as Senior Research Economist at the Institute of Southeast Asian Studies, Singapore, with main research in petroleum resource development and multinational corporations. Consultant at the U.S. Federal Energy Administration, the Ford Foundation, and the World Bank. Was Teaching Fellow in Economics and Research Associate in Policy Studies in Science and Technology at George Washington University. Served 17 years in various capacities in the private sector and in government. Special interests: microeconomics of petroleum and other energy resource development; international and domestic economics implications of rising oil prices on Asia-Pacific development countries.

Kirk R. Smith, PhD Biomedical and Environmental Health Science, University of California, Berkeley, 1977. Energy Program Leader. Affiliate Professor, Department of Geography, University of Hawaii. Research interests include risk and materials assessments for centralized technologies, evaluation and upgrading of indices for measuring energy flows, hazard indices applied to nuclear waste, air pollution from biomass fuels, and the shift of temporal perspective due to technological changes.

PUBLICATIONS AND OTHER PRODUCTS

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Research Materials are products expected to be especially useful for reference in the course of future RSI research. They may contain numerical data or descriptions of research methodology, or they may be bibliographies, maps, computer software, or audio-visual materials.

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Program Reports provide a means of communicating the results and progress of institute or cooperative work to specific groups. Single copies available at no charge while supply lasts.

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Fesharaki, Fereidun, and Sharon L. Hoffman, "Determinants of OPEC oil supplies: Physical, economic, and political factors." Paper presented to the International Association of Energy Economists, November 17-29, 1982, Denver, Colorado. Excerpted in Petroleum Economist, February 1983.

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Kao-Chao Lee, Senior Specialist, Department of Economic Research, Council for Economic Planning and Development, Taipei, Taiwan, China

Rajendra Kumar Pachauri, Director, TATA Energy Research Institute, New Delhi, India

Pu-Sen Pan, Chief Engineer, Planning, Taiwan Power Company, Taipei, Taiwan, China

Kodijat Samadikun, Deputy Director of Planning, State Electricity Utility, Jakarta, Indonesia

Tomoyoshi Sawada, Deputy General Manager, Technical Department, Tokyo Electric Power Co., Inc., Tokyo, Japan

Milton Searl, Technical Manager, Electric Power Research Institute, Palo Alto, California

Jayanti Chimanlal Shah, Chairman, National Council of Power, Ahmadabad, India

Mahn-Cherl Shin, Deputy General Manager, Power Planning Department, Korea Electric Power Corporation, Seoul, Republic of Korea

Pian Bin Sukro, Senior Planning Engineer, National Electricity Board, Kuala Lumpur, Malaysia

Richard Tabors, Manager, Utilities System Program, Energy Laboratory, Massachusetts Institute of Technology, Cambridge, Massachusetts

Mitsuho Uchida, Head of Power Economics Research Section, the Economic Research Institute, Central Research Institute of Electric Power Industry, Tokyo, Japan

Hiroaki Wakabayashi, Associate Professor, Nuclear Engineering Research Laboratory, Faculty of Engineering, University of Tokyo, Tokyo, Japan

Stanley Wong, Chief Engineer (Development), New Zealand Electricity, Wellington, New Zealand

Khamkanist Worawit, Chief of Thermal Plant, Mechanical Engineering Division, Energy Technology Department, Electricity Generating Authority, Bangkok, Thailand

Tyng-Sheng Yang, Division Chief, General Planning Department, Taiwan Power Corporation, Taipei, Taiwan, China

Oliver Yu, Program Manager, Planning and Evaluation Division, Electric Power Research Institute, Palo Alto, California

Nuclear-Electric Power in the Asia-Pacific Region

Participants

Shigehiro An, Professor, Nuclear Engineering Research Laboratory, Faculty of Engineering, University of Tokyo, Tokyo, Japan

Zoilo M. Bartolome, Commissioner, Philippine Atomic Energy Commission, Manila, Philippines

Robert J. Budnitz, President, Future Resources Associates, Inc., Berkeley, California

Thomas A. Cotton, Project Director, Senior Analyst, Office of Technology Assessment, U.S. Congress, Washington, D.C.

Joseph R. Egan, Writer-Consultant, Boston, Massachusetts

Victor Gilinsky, Commissioner, United States Nuclear Regulatory Commission, Washington, D.C.

Mitsuho Hirata, Director, Division of Nuclear Safety Evaluation, Japan Atomic Energy Research Institute, Ibaraki, Japan

Charles D. Hollister, Dean, Woods Hole Oceanographic Institute, Woods Hole, Massachusetts

Toyoaki Ikuta, President, The Institute of Energy Economics, Tokyo, Japan

Guenther Kessler, Director, Institute Neutron Physics and Reactor Technology, Nuclear Research Center, Karlsruhe, Federal Republic of Germany

Arshad Muhammad Khan, Head, Applied Systems Analysis Group, Pakistan Atomic Energy Commission, Islamabad, Pakistan

Richard K. Lester, Associate Professor, Department of Nuclear Engineering, Massachusetts Institute of Technology, Cambridge, Massachusetts

Stanley J. Lewand, Vice-President, Chase Manhattan Bank, New York, New York

Han-Kwae Lim, Deputy General Manager, Nuclear Construction Department, Korea Electric Power Corporation, Seoul, Republic of Korea

Eng Lin, Deputy Director, Atomic Power Department, Taiwan Power Company, Taipei, China

Robert L. Long, Vice President, Nuclear Assurance Division, GPU Nuclear, Parsippany, New Jersey

Mans Lonnroth, Co-Director, Secretariat for Future Studies, Stockholm, Sweden

Yingzhong Lu, Director, Professor, Institute of Nuclear Energy Technology, Beijing, China

Marvin M. Miller, Principal Research Scientist and Lecturer, Energy Laboratory, Nuclear Engineering, Massachusetts Institute of Technology, Cambridge, Massachusetts

Ara J. Mooradian, Senior Vice-President, Atomic Energy of Canada Limited, Ottawa, Ontario, Canada

Hiroshi Murata, Special Advisor to the President, Japan Atomic Energy Research Institute, Tokyo, Japan

Kenji Murota, Manager, Research and Development Division, The Institute of Applied Energy, Tokyo, Japan

Krishan Chandra Pant, Member of Parliament, New Delhi, India

Morris Rosen, Director, Division of Nuclear Safety, International Atomic Energy Agency, Vienna, Austria

David L. Sills, Executive Associate, Social Science Research Council, New York, New York

Budi Santoso Sudarsono, Head, Bureau for Control of Radiation and Radioactive Substances, Badan Tenaga Atom Nasional, Jakarta, Indonesia

Nack Chung Sung, Chairman of the Board and President, Korea Electric Power Corporation, Seoul, Republic of Korea

Shigefumi Tamiya, Managing Director, Japan Nuclear Fuels Service Co., Ltd., Tokyo, Japan

Yasumasa Tanaka, Professor, Department of Political Science and Director, Gakushuin University, Computer Center, Tokyo, Japan

William R. Voight, Jr., Deputy Assistant Secretary for Uranium Enrichment and Assessment, Department of Energy, Washington, D.C.

Hiroaki Wakabayashi, Associate Professor, Nuclear Engineering Research Laboratory, Faculty of Engineering, University of Tokyo, Ibaraki, Japan

Glenn A. Whan, Professor, Department of Chemical and Nuclear Engineering, University of New Mexico, Albuquerque, New Mexico

Alan Wilson, Director, Regulatory Bureau, Australian Atomic Energy Commission, Rosebery, N.S.W., Australia

Anne Pedersen, Chairman, Science Communication and Education, Pacific Science Association, Honolulu, Hawaii

Tropical Climatology and Human Settlements Workshop

Participants

James O. Juvik, Associate Professor of Geography, Univeristy of Hawaii,
Hilo, Hawaii

Taiko Kudoh, Graduate Student, Institute of Geoscience, University of
Tsukuba, Sakura-mura, Ibaraki, Japan

Hung-hsi Liu, Professor of Geography, National Taiwan Normal Univeristy,
Taipei, Taiwan, China

Lawrence C. Nkemdirim, Senior Full Professor, University of Calgary,
Calgary, Alberta, Canada

Yasuo Noguchi, Lecturer, Kokushikan University, Tokyo, Japan

S.O. Ojo, Professor, Department of Geography, University of Lagos, Lagos,
Nigeria

M. Owada, Assistant Professor, Geography Department, Aichi University of
Education, Kariya City, Japan

K.U. Sirinanda, Lecturer in Geography, School of Humanities, University of
Science, Penang, Malaysia

Hilgard O'Reilly Sternberg, Professor, University of California, Berkeley,
California

Hiroshi Tabuchi, Professor, Hosei University, Chiyoda, Tokyo, Japan

Student Affairs and Open Grants

Sumi Y. Makey, Dean

The Office of Student Affairs and Open Grants (SAOG) was established in 1979 to improve the quality of life and work at the Center for all participants. SAOG includes the Open Grants program for fellows and students, as well as centerwide participant support services such as awards, visa, participant resources, health, and alumni. Another aspect of SAOG's mission is to explore opportunities for innovation and new program development within the Center. SAOG also administers a network of program representatives who disseminate information about the Center, facilitate the student competition, and maintain liaison with governments, universities, and other institutions throughout the Asian/Pacific region.

Two major new programs for participants were developed in FY83 from extensive centerwide consultations and discussions during the year:

- (1) opportunities for degree students to conduct fieldwork that may lie outside the direct scope of relevance to specific institute projects; and
- (2) a program to enable long-term participants to attend professional conferences outside Hawaii. The overall purpose of the program is to broaden the range of possibilities for professional development and inter-institute cooperation among participants.

In the spring of 1983, SAOG launched "Post-doctoral Fellowships in Asian/Pacific Area Studies." Beginning in 1984, the Center will invite from five to eight young scholars each year to collaborate with Center research projects and to prepare their dissertation manuscripts for publication. While the fellows will be based in the institutes and programs, SAOG will administer the overall program.

SAOG also established the "Alumni-in-Residence Fellowship Program" to begin in early 1984. The program will recognize outstanding alumni of the East-West Center by offering them opportunities for reflection and professional growth at the Center. The program will support their research and writing projects and provide current participants and staff at the Center with the benefit of close contact with its distinguished alumni.

The placement of the centerwide project on International Education in Open Grants created a new opportunity to explore ways of strengthening the Center's capacity for analyzing and improving its own role as an international educational institution. The basic objective is to improve the quality of education that grantees receive from their involvement with the Center. In order to explore this approach to education, Open Grants has initiated a series of experimental seminars under the general rubric of "Scholars in Society." The evaluation of these seminars will help to formulate an appropriate program to introduce new students to the intellectual and organizational culture of graduate education in America and to expand their awareness of the critical issues facing the Asian/Pacific region.

Cost-sharing of degree student awards that began in 1981 continued with greater effort in FY83. The concept of a basic grant for each awardee was introduced covering tuition and fees, housing, health insurance, and a stipend of \$1,000. Cost-sharing of the remaining stipend costs and airfares was actively sought from employers, governments, private agencies, corporations, and individuals, with additional financial assistance also available from the Center. Of the 109 awards offered, 45 were cost-shared, almost twice the number of the previous year.

A new Faculty Development Program was funded by a special grant from the United States Information Agency to assist development of teaching, research, and administrative capabilities among faculty and staff of tertiary institutions in the Pacific. The program enabled five participants to come to the Center from the University of the South Pacific and the University of Papua New Guinea for coursework, research, and observation. The program was jointly administered by Open Grants and the Pacific Islands Development Program (PIDP) in FY83 and will be transferred to PIDP in FY84.

PROGRAM REPRESENTATION

Resulting from their trips to Asia and the Pacific, the president, vice president, and dean reviewed the functions of program representatives in the region. As the degree student competition becomes smaller in scope, other activities may receive higher priority, such as seeking cost-sharing for participants and developing institutional ties.

New individuals took the role of program representative in Hong Kong, Singapore, and Western Samoa. An orientation workshop was held at the Center for representatives from India, Papua New Guinea, Singapore, Sri Lanka, and Western Samoa.

OPEN GRANTS

Fellows Program

This year's program focused on two major research efforts: the International Education Project (IEP) of Centerwide Programs, and the Global Models and the Policy Process (G-MAPP) Project. The former is discussed under Centerwide Programs and the latter is described below.

Global Models and the Policy Process (G-MAPP). The G-MAPP Project is increasing communication and cooperation among national and global modelers and policy analysts, chiefly through computer conferences, workshops, and small projects focused on specific policy questions. In FY83, participating organizations: (1) completed revision of a global model in use in Australia, based on modifications suggested in India; (2) entered into discussions with the United Nations Environmental Program and the Economic and Social Commission for Asia and the Pacific at their request to draft proposals for using existing global models to examine long-term economic, political, and military trends in developmental and environmental indicators; (3) planned a major modeling workshop in Tokyo to be held in May 1984 in discussions with four different government and research organizations in Tokyo; (4) evaluated alternative approaches to modeling effects of military expenditures on national and global economies through a consulting contract with the

Australian Government; and 5) held a workshop at the EWC with participants from the Netherlands, Australia, and several Open Grants doctoral degree students--one of the approaches to modeling military expenditures was later implemented on an experimental and illustrative basis in Australia.

Degree Student Program

In FY83, 124 Open Grants students from 30 countries worked in 47 areas of specialization at the University of Hawaii. Eighty-one were candidates for master's degrees while 43 worked for doctoral degrees. Thirty-one completed their awards during the fiscal year. A variety of activities was offered in each semester so that each student could select activities that would enhance his/her academic and personal development.

Leadership for seminars offered in the fall and spring came from Centerwide and Open Grants fellows, University of Hawaii faculty, East-West Center staff, and a few Open Grants students. Approximately 50 students were involved in seminars each semester. Seminars offered in the fall and spring were: International Education; Cultural and Social Change in Asia and the Pacific; Pacific Islands Development Program Seminar; International Relations and Economics Roundtable; Religion and Development; Values and Technology; the Humanities Forum Occasional Seminar; and the Development Forum.

As part of orientation for new students in September 1983, a series of five presentations called "Facing America's Culture" analyzed contemporary issues in American culture. These presentations covered higher education, popular culture, mobility, social structure, and regionalism in America.

Open Grants students were also involved in research projects such as: Global Models and the Policy Process; Management for Public Works Projects; Training of Trainers; Aquaculture Assessment; Disaster Preparedness and Rehabilitation; Government and Administrative Systems; and Disposal of Nuclear Wastes in the Pacific. Other degree students were involved in research projects in the Culture Learning Institute, the Communication Institute, and the Resource Systems Institute.

Some Open Grants students engaged in community service projects related to their academic and professional interests. Open Grants students worked with the Pacific Basin Development Council, Hospice Hawaii and the St. Francis Hospice Program, Palama Settlement, YWCA, Queen Emma Clinic, Waikiki Health Center, Office of Hawaiian Affairs, Micronesian Support Committee, Lyon Arboretum, Bishop Museum, Teenage Assembly of America's Youth Against Drugs Project, and Kaimuki High School.

Thirteen Open Grants students conducted field research in FY83. In addition to Open Grants fieldwork funds, students obtained approximately \$22,000 from other sources, such as the Ford Foundation, Agricultural Development Council, University of Hawaii departments (biochemistry, geology and geophysics, and history), University of Florida, University of California-Berkeley, University of Georgia, as well as other academic and research institutions.

Fellowships and honors received by Open Grants students included: (1) two summer fellowships for language study at Ohio University and Nanking University; (2) a nine-month fellowship to study Hindi in India; (3) travel funds from the National Research Council in Taiwan to study computer-based education at the University of Illinois; (4) travel funds from Singapore for two students to attend a professional meeting in Educational Communication and Technology in New Orleans; (5) nomination of four students to honor societies; and (6) presentation of papers at professional meetings in Singapore and Texas.

STUDENT AFFAIRS

Award Services

Award Services is responsible for the annual competition for degree student awards and for dissemination of information on award opportunities in all award categories. In addition, the award services officer provides the dean with staff support for the program representatives.

For the 1983 degree student competition, Award Services received 351 applications from 27 countries in Asia and the Pacific, in addition to 206 applications from U.S. citizens and permanent residents from 38 states. The number of applications received by the Center from the Asian/Pacific region was less than in previous years due to increased in-country screening of applicants. Applications were considered in 65 fields of study at the University of Hawaii. Of the 557 finalists, 109 were offered awards. Sixty-four were offered fully funded awards, and 45 offers of cost-sharing were accepted.

The table at the end of this section (page VII-6) shows by country the number of new degree awards as well as the number of carry-over awards from previous years.

Visa Services

Visa Services include three major functions: ensuring legal visa status in the United States for international participants and staff; interpreting and explaining immigration law and pertinent regulations of the Department of State and the United States Information Agency (USIA) to ensure that Center policies and practices are in compliance with the requirements of these agencies; and maintaining information on visa procedures and requirements for field programs in other countries. Visa sponsorship for participants and staff involves documentation, counseling, and close liaison with the U.S. Immigration and Naturalization Service (INS), Department of State, and USIA.

Participant Resources/Alumni Services

Staffing was a key issue in Participant Resources/Alumni Services with turnover occurring in six of the eight permanent positions this past year. However, most standard programming continued without interruption, although new ideas and requests for additional services were postponed.

Highlights of the year's activities include:

- Three orientation programs were conducted for degree students, seven for short-term participants, and one for program representatives.
- The Directory of Participants and Staff was produced after a hiatus of one year.
- A very successful International Fair and Mini-Olympics were held early in the year, sponsored by the EWC Participants Association in cooperation with Participant Resources.
- Twenty-one cultural groups and 30 special interest clubs were active throughout the year.
- The "Tuesday Night at Seven" program and the "Thursday Preview of the Week" continued with regularity. The Thursday Preview focused on fieldwork reports from participants and on culturally significant films. The Tuesday Night program often cooperated with CLI's Cultural Manifestations Series to offer large-scale cultural programs. Regular Tuesday Night programs continued to attract an average audience of about 60.
- The Host Family and Ticket Refund Programs were administered for the Friends of the East-West Center. The Emergency Loan Fund more than doubled its activity level from previous years.

Health Services. A new health insurance plan for participants was negotiated effective October 1, 1983. The Hawaii Medical Service Association coverage plan with Fronk Clinic offering the benefits of a health maintenance organization was selected.

In cooperation with the Environmental Health and Safety Office at the University of Hawaii, the health officer examined all video display terminals (VDT) in use at the Center. The Center adopted a policy in cooperation with the labor union on VDT use that covered issues such as rest breaks and temporary transfers from VDT use, in addition to inspection of terminals.

The health officer conducted training in first aid and cardio-pulmonary resuscitation, arranged seminars for employees on back care and stress management, and addressed other health-related topics for participants.

The Wellness Program for participants and staff included karate, aerobic dancing, and sports conditioning.

Alumni Services. The Fourth International Alumni Conference was held in Singapore in late July. Attended by more than 110 alumni from 15 countries, the conference examined papers presented by alumni on issues such as rural development strategies, cross-cultural education, and international news flow in Asia and the Pacific. Selected Center researchers also presented papers and led panel discussions while staff such as the president and dean hosted informal discussions. A new Executive Board for the International Association of East-West Center Alumni was elected in Singapore and plans

were confirmed for the 1985 conference to be held in Hawaii in conjunction with the Center's 25th anniversary.

Two issues of the alumni newsletter, "Echo," were produced and distributed to a mailing list of nearly 5,000. In early summer, Centerviews, a new publication of the Public Affairs Office with financial support from Alumni Services, issued its first bi-monthly edition and included an alumni news section. Current plans call for the continued publication of alumni news in the Centerviews format.

FY 1983 DEGREE STUDENT AWARDS

<u>Country</u>	<u>New Awards</u>	<u>Carry-Over Awards</u>	<u>Total</u>
American Samoa	0	2	2
Australia	4	6	10
Bangladesh	3	6	9
Burma	2	0	2
China	3	5	8
Cook Islands	1	0	1
Fiji	1	5	6
Guam	3	2	5
Hong Kong	4	3	7
India	3	7	10
Indonesia	3	6	9
Iran	0	1	1
Japan	5	5	10
Kiribati	0	1	1
Korea	6	11	17
Malaysia	1	10	11
Nepal	3	2	5
New Zealand	3	7	10
Pakistan	3	4	7
Papua New Guinea	1	2	3
Philippines	7	11	18
Singapore	1	4	5
Sri Lanka	2	2	4
Taiwan, China	2	6	8
Thailand	5	13	18
Tonga	1	0	1
Trust Territory	2	2	4
Tuvalu	0	1	1
United States	<u>40</u>	<u>61</u>	<u>101</u>
TOTAL:	109	185	295

No new or carry-over awards: Afghanistan; Western Samoa

STUDENT AFFAIRS AND OPEN GRANTS

Staff

Dean

Sumi Y. Makey, MA Counseling and Guidance, Teachers College, Columbia University, 1951. Joined Center in 1964 as staff member in former Institute for Student Interchange. Named head of Open Grants in 1972 and appointed dean of the newly formed Office of Student Affairs and Open Grants in April 1979. Native of Hawaii and received Bachelor's degree in psychology from University of Hawaii. Served as counselor and teacher in public schools in Hawaii and Washington, D.C. From 1960-64 served as Far East program specialist in the Office of Education (HEW) programming AID participants from Asia.

Assistant to the Dean

Glenn L. Shive, PhD History, Temple University, 1979. Taught American Studies at East China Normal University in Shanghai, PRC, 1982 and was Policy Research Coordinator for The NETWORK, Inc., of Andover, Massachusetts, 1979-81. During this period was also an Associate in Research studying Chinese education at the Fairbank Center for Research in East Asia at Harvard University. Appointed Assistant to the Dean, February, 1983. Has published reports on education policy; his dissertation is on the rhetoric of Mao Tse-tung. Has studied at universities in Taiwan, England, Germany and Switzerland.

Professional/Administrative

June Y. Hirano, MA Speech Communication, University of Hawaii 1967. Awards Officer. Joined the Center in 1970 as a staff member in Participant Activities after three years as an instructor with the Department of Speech-Communication at the University of Hawaii. Since 1973 has been associated with Awards Services and in April 1979 was appointed head of the office.

Stephen Karel, MPH International Health and Health Services Administration, University of Hawaii, 1982. Health Officer. Undergraduate degree, BS in Education from University of Missouri, 1973, and graduate work in education at Washington University and University of Southern California. Served as teacher and teacher-trainer as a Peace Corps volunteer in Fiji and Thailand, 1975-79. Most recently worked as consultant with the Hawaii Medical Service Association. Joined the Center in 1983.

Frances Kitibanlubhorn, BA Anthropology, University of Hawaii, 1969. Visa Officer. East-West Center Open Grants degree participant 1970-72 pursuing Master's degree in anthropology. Joined Center staff as Visa Officer in 1974. Resided and worked in Thailand for five years.

Claire S. Muranaka, MS Plant Pathology, University of Hawaii, 1969. Planning and Statistical Assistant. Joined Center staff in 1970 and transferred to Award Services in 1983.

Rose Nakamura, BA Recreation, University of Hawaii, 1950. Program Officer. Has been with East-West Center since July 1963. Pursued graduate studies at the University of Hawaii and University of Southern California. From 1951-63 served as lecturer, then instructor and finally director of student personnel at the University of Hawaii at Hilo. Also served as manager of the Hilo campus library and as teacher in physical fitness for Peace Corps groups training in Hilo.

Marlene Meyer Patton, MA Music Education, University of Kansas. East-West Center Open Grants degree Participant 1980-82. Currently completing thesis requirements for MA in Ethnomusicology, University of Hawaii. Activities Officer. Joined Center staff July 1983. Taught secondary school music in Sydney, Australia and Kansas City.

Joanne K. Punu, MA Political Science (International Relations), University of Hawaii, 1972. Currently enrolled in the Executive Master of Business Administration program at the University of Hawaii. Participant Resources Officer. Did undergraduate work in political science and Asian studies at George Washington University and University of Pittsburgh, and has completed credits toward an MA in English as a second language. Came to the East-West Center from Peace Corps/Malaysia in 1970 and has previously held Center positions as resident assistant (1970-72), housing officer (1972-74), and participant activities officer (1976-78). Spent some time teaching on Niue Island in the South Pacific.

Gordon R. Ring, MA Asian History, University of Hawaii, 1967. Currently enrolled in the Executive Master of Business Administration program at the University of Hawaii. Alumni Officer. Joined Center in 1969 in Public Affairs Office. From 1971-83 served as staff assistant to the President with various assignments including planning, budgeting, evaluation, program coordination, and personnel. Serves as Assistant Corporate Secretary for the Board of Governors.

Fusae Uyemura, Secretarial Certificate from Margaret Dietz School of Business. Administrative Officer. Joined the Center in 1963 as secretary in the Institute for Student Interchange; transferred to Open Grants in 1970.

Kathy S. Yoshimoto, BEd Education, University of Hawaii, 1974. Awards Assistant. Joined Center staff in 1975 and transferred to Awards Services in 1977.

PUBLICATIONS AND OTHER PRODUCTS

OCCASIONAL PUBLICATIONS

General Information Bulletin, 1982-83. 20 pp.

Graduate Studies Bulletin 1983-84. August 1983. 39 pp.

1980 Alumni Conference Proceedings, by Marion Saunders and Asad Khan. July 1983. 113 pp.

JOURNAL ARTICLES

Koay, Evelyn S.C., Catherine K.L. Too, F.C. Greenwood, and Gillian D. Bryant-Greenwood, "Relaxin stimulates collagenase and plasminogen activator secretion by dispersed human amnion and chorion cells in vitro." Journal of Clinical Endocrinology and Metabolism 56(6), 1983.

Kumar, Krishna, "Third World Multinationals." International Studies Quarterly, Fall 1982.

_____, "The Korean Export Machine: A Planned Development" (co-author). Euro-Asia Business Review 2(1), 1983.

Lang, David Chiang-Kau, "International relations research in the People's Republic of China: A brief sketch." Orbis: A Journal of World Affairs 26(4), Winter 1983.

Too, Catherine K.L., Timothy J. Weiss, and Gillian D. Bryant-Greenwood, "Relaxin stimulates plasminogen activator secretion by rat granulosa cells in vitro." Endocrinology 3(4):1424-26, July 6, 1982.

BOOK REVIEWS

Lang, David Chiang-Kau, Review of "Atomic illusion" in The Winning Weapon: The Atomic Bomb in the Cold War 1945-1950, by Gregg Herken. Asiaweek, October 15, 1982.

_____, Review of "A client's plight" in The American Role in Pakistan, by M.S. Venkataramani. Asiaweek, December 24, 1982.

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Barns, Michael, "Rua Potai (2 hats of New Zealand)--An emerging cultural pluralism." Paper presented at the Pacific Islands Development Program Seminar, East-West Center, December 6, 1982.

- Batimala, Vaseva, "Racial polarisation: An aftermath of (Fiji) general elections." Paper presented at the Pacific Islands Development Program Seminar, East-West Center, November 22, 1982.
- Buchsbaum, Susan, "The problems of Maoris living in an urban environment and its effects on their cultural identity." Paper presented at the Cultural and Social Change in Asia and the Pacific Seminar, East-West Center, October 26, 1982.
- Chadwick, Richard W., "G-MAPP: Global models and the policy process, project accomplishments and plans." Paper presented December 14, 1982, East-West Center, and published in annual report of G-MAPP Project activities and future plans. 17 pp.
- _____, "The human side of modeling political-economic development, with special reference to India." Paper presented at South Asian Studies Lecture Series, Center for Asian and Pacific Studies, November 16, 1982. Transcription available. 7 pp.
- Craig, Ulla-Katrina, "Aging in a changing society: A study of the impact of westernization on the elderly people of Guam." Paper presented at the Cultural and Social Change in Asia and the Pacific Seminar, East-West Center, October 5, 1982.
- _____, "The golden years have tarnished: A look at the impact of westernization on the elderly citizens of Guam." Paper presented at the Pacific Islands Development Program Seminar, East-West Center, November 29, 1982.
- Duguies, Lourdes, "A preliminary salmonella-gecko survey in Guam." Paper presented at the Pacific Islands Development Program Seminar, East-West Center, November 15, 1982.
- Koay, Evelyn Siew-Chuan, and Frederick C. Greenwood, "Relaxin stimulates the secretion of plasminogen activator and collagenase by dispersed human amnion and chorion cells in vitro." Paper presented at the Annual Endocrine Society Meeting, June 7-11, 1983, San Antonio, Texas.
- Narasimhalu, A.D., Don MacRae, and Joe Mula, "Decision support system for policy processes." December 1982. Presented at the 1983 Hawaiian International Conference on System Sciences, January 6-7, 1983 (published in HICSS Conference Proceedings). Presentation by Narasimhalu, SAOG Ph.D. Candidate. 32 pp.
- Raju, Sripada, "Addressing the fundamental question." Paper presented at the Religion and Development Seminar, East-West Center, October 5, 1982.
- Soehartono, Irawan, "Peoples participation in rural development: A case study from Indonesia." Paper presented at the Cultural and Social Change in Asia and the Pacific Seminar, East-West Center, November 2, 1982.

Srinivasan, Ganesan, "Agricultural research in education in India and its effects on development." Paper presented at the Cultural and Social Change in Asia and the Pacific Seminar, East-West Center, November 23, 1982.

Tanii, Nobukazu, "The role of education in the development of Japan." Paper presented at the Cultural and Social Change in Asia and the Pacific Seminar, East-West Center, November 16, 1982.

Too, Catherine Kar-Ling, and Gillian D. Bryant-Greenwood, "The role of relaxin and the differential production, in vitro, of plasminogen activators by periovulatory granulosa cells." Paper presented at the Annual Endocrine Society Meeting, June 7-11, 1983, San Antonio, Texas.

Varde, N.P.S., "Problems and concepts involved in transfer of agricultural technology." Paper presented at the Cultural and Social Change in Asia and the Pacific Seminar, East-West Center, November 30, 1982.

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Kim, Byung-Soo, "Inheritance of resistance to bacterial spot (Xanthomonas Campestris PV. Vesicatoria [Doidge] Dye) in peppers (Capsicum spp.)." Ph.D. dissertation, Horticulture, University of Hawaii, 1983.

Lobban, William D., "Singing games of Papua New Guinea and Tuvalu: A classification and analysis of music and movement." Master's thesis, Pacific Islands Studies, University of Hawaii, 1983.

Olson, Grant, "Sangha reform in Thailand: Limitation, Liberation and the Middle Path." Master's thesis, Religion, University of Hawaii, 1983.

Too, Kar-Ling Catherine, "Relaxin: A hormone for the remodelling of connective tissue." Ph.D. dissertation, Biomedical Sciences (Biochemistry), University of Hawaii, 1983.

Zehra, Arfa, "Sir Saiyyid Ahmad Khan (1817-1898): A critical intellectual portrait." Ph.D. dissertation, History, University of Hawaii, 1983.

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Hodgson, Gregor, and K. Roger Uwate, "Considerations regarding the use of consultants in aquaculture projects." Pacific Islands Development Program, East-West Center, June 1983.

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Olson, Grant, "Some examples of movements and change within Thai Buddhism." Department of Religion, University of Hawaii, June 1983. (Received the Francis Power's Essay Award, Department of Religion, University of Hawaii.)

Reynolds, E. Bruce, "Japan, Thailand and World War II." Department of History, University of Hawaii, June 1983. (Received the Donald D. Johnson Prize in History, UH.)

Ridings, Penelope, "Critique of SARUM foreign aid subroutine." G-MAPP publication on the structure of a model of foreign aid embedded in a U.K. government macroeconomic model of national and regional trade, aid, and development processes. November 1982. 20 pp.

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Chadwick, Richard W., "Global Models and the Policy Process: Project Accomplishments and Plans." 17 pp.

Chadwick, Richard W., Don MacRae, and Alison McKenzie, "Use of the Australian Resources and Environmental Assessment Model (AREAM) for Analysis of Global Disarmament and Environment Issues: Final Report for Consultancy, June-August, 1983." August 1983. 66 pp. (plus six research proposal texts by Chadwick and MacRae).

MacRae, Don, "Preliminary Overview of G-MAPP Project Proposal to NSF." November, 1982. 14 pp.

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Pacific Islands Development Program

Dr. E. Macu Salato, Interim Administrator

The Pacific Islands Development Program (PIDP) was established in 1979 as a specialized unit within the East-West Center through which research, education, and training appropriate for the development of the Pacific islands region could be organized and coordinated. In consultation with leaders of the Pacific islands, the Center hosted the first Pacific Islands Conference in March 1980. At that conference, a Standing Committee of island leaders was established and PIDP was asked to serve as its secretariat.

PIDP is under the direction of a program administrator appointed by the EWC president. The administrator is assisted by a research coordinator, a special assistant, and other staff consisting of research associates, fellows, research interns, joint doctoral interns, degree and non-degree participants, and clerical personnel.

FY83 saw a change in the program's administration as James Makasiale, the first administrator, was enlisted by his home country of Fiji to fill a senior government post. Dr. Macu Salato, then at the Center as a diplomat-in-residence, was appointed in May as interim administrator.

The Standing Committee of the Pacific Islands Conference, comprised of eight heads of Pacific islands governments, contributes policy guidance and research direction to the program by identifying primary developmental concerns in the Pacific and by reviewing the program's activities. In turn, the committee receives PIDP's recommendations on how program results might be implemented in the various island countries.

The standing committee met at the Center in January during which the latest two members of the committee were named: Governor George Ariyoshi of Hawaii and President Tosiwo Nakayama of the Federated States of Micronesia. Other members are Ratu Sir Kamisese K.T. Mara (chairman), prime minister of Fiji; Peter Coleman, governor of American Samoa; Sir Thomas Davis, prime minister of the Cook Islands; Ieremiah Tabai, president of Kiribati; Jean-Marie Tjibaou, vice-president of the Government Council, New Caledonia; and Michael Somare, prime minister of Papua New Guinea. Dr. S. Langi Kavaliku of Tonga, the first program coordinator of PIDP, is secretary-general of the Standing Committee. A second meeting scheduled for early September in the Cook Islands was postponed. In its stead, an informal session was held in Canberra, Australia, during the meeting of the South Pacific Forum in August.

PIDP receives its basic administrative funding from the Center, with additional contributions from nine island governments and the governments of Australia and Japan. Also, major research and educational activities are funded by grants from the United States Agency for International Development (USAID) and other international developmental agencies.

Injection of \$200,000 above the FY82 level enabled the program to increase its project activities this past year. Japan increased its contribution substantially from \$70,000 in 1982 to \$100,000 this year. Australia donated \$49,000, and island governments contributed an additional \$27,000, thus maintaining the 1982 levels. The Center allocated \$227,000 to PIDP and contracts and grants amounted to \$285,000.

PIDP has gained the assistance and cooperation of other organizations and agencies in the development of its research projects. For example, a disaster preparedness seminar in Fiji in March was largely funded by USAID, but also received support from the South Pacific Bureau for Economic Cooperation (SPEC), Australian Development Assistance Bureau (ADAB), and United Nations Disaster Relief Office (UNDR0). The program's energy project is a joint effort between the Center's Resource Systems Institute and PIDP, as well as SPEC, the United Nations Development Programme (UNDP), and the European Economic Community (EEC). Participation of Pacific islands in these projects has also increased.

PIDP personnel continued to play a role in meeting with island leaders visiting Hawaii and briefing them on the program and other aspects of the Center's Pacific involvement. This activity saw an appreciable increase in 1983. As a further channel to disseminate information on program activities, PIDP News, a newsletter for a targeted audience concerned with Pacific islands development, was being produced and circulated on a regular monthly basis by the end of the fiscal year.

Participation in regional and international meetings provided opportunities for PIDP staff to discuss issues with their counterparts and representatives of island countries. PIDP was represented at the South Pacific Commission Planning and Evaluation Committee meeting, the South Pacific Conference, the Conference on Pacific Energy in Fiji, and the SPC Regional Technical Meeting on Fisheries in New Caledonia.

Since the 1980 Pacific Islands Conference, PIDP has launched a number of significant research and training projects. Seven of them continued through FY 1983: (1) Pacific energy; (2) disaster preparedness and rehabilitation; (3) aquaculture assessments; (4) the roles of multinational corporations; (5) government and administrative systems; (6) business ventures development and management; and (7) regional cooperation.

Project 1--Pacific Energy

As a cooperative research effort between PIDP and the Resource Systems Institute (RSI), the Pacific Energy project has two major objectives: (1) to provide Pacific island decision-makers with information and methodological tools for analyzing domestic energy programs; and (2) to assist with the formulation of energy policy alternatives that can be considered within the framework of regional cooperation.

The project is directed at medium-term planning and policy issues and is principally concerned with strengthening the institutional capacity of Pacific governments to undertake their own energy initiatives.

A major activity during FY83 was the preparation of 10 country reports resulting from the Pacific Energy Mission undertaken in 1982. Reports were completed and distributed for the Cook Islands, Federated States of Micronesia (Ponape), Fiji, Kiribati, Niue, Solomon Islands, Tonga, Tuvalu, Vanuatu, and Western Samoa. In addition, editorial support was provided for an energy memoire on Papua New Guinea.

Project activities are in collaboration with the energy projects of several international organizations. Cooperative arrangements exist between PIDP and the South Pacific Bureau of Economic Cooperation (SPEC), United Nations Development Assistance Team (UNDAT), United Nations Development Programme (UNDP), European Economic Community (EEC), Asian Development Bank (ADB), and Australian National University (ANU).

The energy project is currently concerned with four policy areas: (1) regional petroleum security; (2) planning and policy advice to Micronesian governments; (3) rural electrification; and (4) energy education.

Research activities in these areas were authorized by the Standing Committee in early 1983 and constitute the research and training agenda for the projects through mid-1985. The identification of these policy areas is the result of 11 country energy survey missions undertaken in 1982 under the sponsorship of several regional organizations.

Regional Petroleum Security. During FY83, work proceeded in the RSI oil research group on the oil security study. Following the development of a technoeconomic refinery model, computer simulations of various output forecasts and crude oil sources were evaluated in an attempt to estimate the economics of a regional oil refinery for the Pacific islands. Also investigated were the prospects and likely terms under which a collective buying or refinery leasing arrangement could be negotiated with existing refiners.

Planning and Policy Advice to Micronesian Governments. In late November, energy planners from Palau, the Federated States of Micronesia (FSM), and the Marshall Islands participated in a week-long workshop designed to assist in project analysis and in the preparation of energy strategies. As an outgrowth of this workshop, the project is considering an ongoing policy advisory service to the Micronesian entities. This activity was supported by UNDP and participating governments.

Rural Electrification. With a Standing Committee mandate to undertake rural electrification impact studies, planning in this area progressed rapidly. Following development of a comprehensive report outline and detailed field questionnaire, social surveys commenced in the Federated States of Micronesia and Fiji. The FSM field report is expected in early FY84, with the Fiji report scheduled to be finished by June 1984.

Energy Education. Work progressed on a series of regional overview papers summarizing Pacific energy patterns. These papers will be published during FY84 as a report series and will deal with energy demand, petroleum supply, and indigenous resources of the Pacific islands. During FY83, effort was directed at the energy demand and petroleum supply paper. In addition, an

energy planning computational manual and an energy information system were initiated.

Project 2--Disaster Preparedness and Rehabilitation

This project aims to increase the internal capacity of Pacific island governments to cope with natural disasters. It consists of a series of research activities, training workshops, policy seminars, and demonstration projects aimed at specific disaster preparedness problems facing the countries and territories of the region.

Hurricanes, floods, earthquakes, volcanic eruptions, and tsunamis have caused tremendous physical and economic losses in the Pacific islands region. Governments have begun to develop disaster preparedness systems and mitigation programs aimed at reducing losses and enhancing disaster rehabilitation.

PIDP conducted a survey of disaster experience and disaster preparedness in FY82. Based on the results of the survey, the activities conducted in FY83 included a three-year plan for this research, policy planning, and training project; a Disaster Preparedness Strategies Seminar held in Suva, Fiji, March 23-25; development of proposals for funding specific aspects of the project; and development of a manual entitled Procedures and Guidelines for Disaster Preparedness Planning. PIDP also published a series of general policy papers and model program guides for the Strategies Seminar, and completed a book-length study of the impact of hurricanes in Fiji.

Funding for the project was provided largely by the Office of Foreign Disaster Assistance of USAID. Financial support for the Strategies Seminar was also given by the Australian Development Assistance Bureau, the United Nations Development Programme, the UN Disaster Relief Office, and the South Pacific Bureau for Economic Cooperation.

Project 3--Aquaculture Assessment

This project's objectives are to provide Pacific islands governments with (1) timely information on aquaculture; (2) assistance on evaluation of existing aquaculture projects; and (3) assistance in developing local capabilities for evaluating and analyzing future aquaculture projects.

In FY83, PIDP completed reviews of regional aquaculture activities by species. These reviews were critiqued and updated by the respective fisheries divisions and educational institutions in the region. Preliminary findings indicate that most aquaculture projects in the region have fallen short of anticipated results. Most have closed after external funding was terminated. Examination of key projects and available reports indicate that project proposals are too often overly optimistic, and their resultant projects fall short of expectations, never achieving commercial levels of operation.

In the second phase of the aquaculture project, detailed analysis was initiated on two aquaculture projects in the region: the Kiribati Milkfish Farm and a proposed mullet farm in Tonga. Island counterparts and extensive

support were provided by the Republic of Kiribati and Kingdom of Tonga Fisheries Divisions.

The major impact of this project is the development of a realistic picture of aquaculture as a vehicle for economic development by Pacific island governments. The long-term results will be to consider initiation of aquaculture projects that have a high probability of long-term commercial success. In this way, benefits from limited development and natural resources can be maximized.

Project 4--The Roles of Multinational Corporations

This project's purpose is to identify potential beneficial roles for multinational corporations (MNCs) in the development of the countries and territories of the region and the means for achieving more equitable relationships with such corporations.

Pacific island governments recognize that the involvement of multinational corporations has increased in recent years. Moreover, the countries and territories of the region will require the venture capital and external linkages that MNCs can provide for national development. There is a need, therefore, for a better understanding of the potential benefits of multinational corporations, of how to attract their investment, and of how to achieve greater benefits from such investments.

FY83 was a planning year, and activities included the development of two background papers and a bibliography, as well as consultation with potential sponsors and collaborating institutions.

Project 5--Government and Administrative Systems

This project looks at how traditional systems can provide the basis for more appropriate and more efficient forms of government and administration in the Pacific island nations. In view of the diversity of the island countries, the project does not make recommendations or advocate certain systems. Rather, information is provided that will be of assistance to these nations in reaching their own decisions as to what forms of government and administration are best for them.

The project will produce a series of national case studies in which the interrelationships between imported and indigenous systems will be explored. Among the basic questions to be pursued is the extent to which existing government structures and processes are congruent with traditional values and patterns of action.

The project has been reformulated to conform to the guidance provided by the Standing Committee at its January 1983 meeting in Honolulu. The collection of basic data and literature pertinent to the project has been started, and sources of funding have been explored. Preliminary field interviews have been conducted with the Peace Corps directors in Fiji, Tonga, and Western Samoa, as well as with Peace Corps volunteers in Fiji and Western Samoa. The purposes of these interviews were to find out what kinds of data are available, in the field and in Washington, D.C., and to design the study to be carried out in 1984.

Project 6--Business Ventures Development and Management

The purpose of this project is to identify factors that contribute to the success and failure of indigenous businesses in the Pacific region, and to recommend ways in which governments can encourage and support the development of indigenous businesses.

Island governments are aware of the need to develop the private sector in their economies. However, many expatriate firms have achieved considerable success while indigenous businesses have not fared as well. There is therefore a need to identify ways in which indigenous businesses can be developed and sustained.

Activity in this project in FY83 was limited to project planning and consultation with government officials and technical assistance personnel. A project proposal was developed and funds will be sought from external sources in FY84.

Project 7--Regional Cooperation

This project's objective is to provide Pacific island governments with an evaluation of the costs and benefits of regional cooperation through existing organizations and to identify future opportunities for such cooperation.

Since World War II, the number of regional organizations has grown to more than 200. Although most organizations involve cooperation outside of the government, Pacific island governments invest considerable human and financial resources in regional efforts. Pacific leaders feel that there is a need, therefore, to evaluate the costs and benefits of regional cooperation.

This project was conducted largely by the Institute of Pacific Studies at the University of the South Pacific. PIDP, however, provided financial support to cosponsor a workshop of contributors to this project. The workshop was held in Western Samoa to review draft papers on various aspects of the projects and involved participants from 12 countries and 10 organizations. PIDP also supported the publication of an issue of the journal Pacific Perspectives, which was prepared for this meeting.

PACIFIC ISLANDS DEVELOPMENT PROGRAM

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Michael P. Hamnett, PhD, Social Anthropology, University of Hawaii, 1977. Coordinates and develops research projects undertaken or planned by PIDP and directs the Disaster Preparedness project. Research interests include Pacific Islands development and politics, natural disaster preparedness and rehabilitation in the Pacific, and ethics of international research.

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PUBLICATIONS AND OTHER PRODUCTS

SERIAL PUBLICATIONS

Energy Mission Reports by Ken Newcombe et al.

Cook Islands, ix 87 pp.
Fiji, ix, 77 pp.
Kiribati, ix, 84 pp.
Niue, vi, 49 pp.
Ponape, vi, 57 pp.
Solomon Islands, ix, 117 pp.
Tonga, 100 pp.
Vanuatu, ix, 94 pp.
Western Samoa, ix, 101 pp.

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Biellik, Robin J., and Peggy L. Henderson, "A model program for public health preparedness." 47 pp.

Campbell, John, and Fred Cuny, "Agricultural development and disaster preparedness." 22 pp.

Cuny, Fred, "A model program for economic vulnerability reduction and recovery." 17 pp.

Cuny, Fred, and Eddie Perez, "Alternative strategies for meeting disaster preparedness needs." 34 pp.

Hamnett, Michael P., "Disaster preparedness in the Pacific: Training and preparedness strategies." 7 pp.

Hamnett, Michael P., Fred Cuny, and Sio Maiasa, "Disaster preparedness and the state of preparedness in the Pacific Region." 12 pp.

Maiasa, Sio, and Michael P. Hamnett, "Future needs for disaster preparedness in the Pacific region." 18 pp.

Thompson, Paul, "A model program for reducing housing vulnerability." 16 pp.

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Franco, Angela Barzelatto, Jean Francois Dupon, Michael P. Hamnett, James Makasiale, John Roughan, Jarukuru Sere, Fa'auma Seui, and Robert Staff. Country Profiles on the Cook Islands, Fiji, Kiribati, Nauru, Niue,

Papua New Guinea, Solomon Islands, Tonga, Tuvalu, Vanuatu, and Western Samoa. February 1983. 126 pp.

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Hodgson, Gregor, and K. Roger Uwate, "Considerations regarding the use of consultants in the aquaculture projects." June 1983. 39 pp.

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Uwate, K. Roger, "Aquaculture executive summary: New Caledonia." 2 pp. January 1983.

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Uwate, K. Roger, "Aquaculture in Kiribati." 3 pp. January 1983.

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_____, "The Marshall Islands: History, culture, and communications." September 1983. 46 pp.

_____, "Western Samoa and American Samoa: History, culture, and communications." September 1983. 83 pp.

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PIDP News: A Newsletter of the Pacific Islands Development Program

Issued monthly, PIDP News is designed to inform officials of governments and international organizations in the Pacific about recent activities in PIDP projects.

Vol. 2, no. 1, October 1982. 6 pp.

Vol. 2, no. 2, March 1983. 8 pp.

Vol. 2, no. 3, April 1983. 8 pp.
Vol. 2, no. 4, September 1983. 6 pp.

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PIDP Annual Report. December 1982. 30 pp.

PIDP Pacific Islands Development Program, 1983-84. August 1983. 9 pp.

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Hamnett, Michael P., and Douglas J. Porter, "Problems and prospects in western approaches to cross-national social science research." Vol. 1, Handbook of Intercultural Training, eds. Dan Landis and Richard W. Brislin, 61-81. New York: Pergamon, 1983.

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Penot-Demetry, Josée, "The role of financial centers in economic development in the Pacific." Paper presented at the 15th Pacific Science Congress, February 1983, Dunedin, New Zealand. 30 pp.

Uwate, K. Roger, "Aquaculture development--The Pacific way." Developed for the 15th Regional SPC Technical Meeting on Fisheries, 1983, East-West Center, Honolulu. 5 pp.

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GOVERNMENT AND ADMINISTRATIVE SYSTEMS

Fellows

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MULTINATIONAL CORPORATION

Joint Doctoral Research Interns

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Energy Needs and Alt-Micronesia Workshop

Participants

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SECRETARIAT

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Palauni M. Tuiasosopo, Assistant to the Governor, Governor's Office, Pago Pago, American Samoa

Research and Professional Interns

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TUNA MIGRATION

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Centerwide Programs

Douglas P. Murray, Vice President

The introduction of Centerwide Programs during 1982 added new dimensions to East-West Center activities. These programs, addressing issues of regional importance that extend beyond the agendas of the Center's institutes, fall within five groupings: (1) international relations and economics; (2) development forum; (3) the humanities forum; (4) international education; and (5) special projects.

Although inaugurated as a separate office reporting to the vice president, Centerwide Programs are intended to become a common resource, with activities benefitting institute programs and engaging the interests of staff and participants throughout the Center. Research staff and fellows advise and assist in programs for degree participants assigned to Open Grants (SAOG) and those in the institutes with relevant interests. During FY83, the research agenda was still in the formative stages. In FY84, some of these Centerwide programs will be administratively transferred to appropriate institutes, though their "centerwide" mandates will continue.

International Relations and Economics

During FY83, the new "Diplomats-in-Residence" Program involved senior and mid-career foreign service officers from Fiji, Japan, Korea, and the United States. Supported in most cases by the sending government, diplomats-in-residence spend three to 12 months at the Center conducting research in their fields of interest and engaging in public programs and seminars with colleagues from throughout the region. Former U.S. Ambassador to Fiji William Bodde, Jr., completed his Center assignment in May 1983 and assumed the post of American Consul General in Frankfurt, Germany. In June, Yuji Ikeda was assigned as Economic Counselor in the Japanese Embassy, Washington, after 10 months in residence at the Center; and Macu Salato, of Fiji, agreed to serve as interim administrator of the Center's Pacific Islands Development Program after a year as a diplomat-in-residence. Sie-Yong Lee, former Korean ambassador to Liberia, and Richard Baker, a Southeast Asia specialist from the U.S. State Department, arrived during 1983. Diplomats from other Asian and Pacific countries are expected to join the program during FY84.

A core activity was the "International Relations and Economics Roundtable"--a seminar series of several meetings each month on key issues in the Asian/Pacific region. The Roundtable enables short-term visitors, Center and University of Hawaii specialists, and Open Grants degree participants to address local audiences. Topics during the year included the future of U.S.-China relations, Burma's role in the Pacific Basin, Japan's management style and its implications for western business, and various issues affecting the Pacific island states.

In the field of international economics, an April research conference organized by Sung-Hwan Jo considered "Asia's Newly Industrializing and Nearly Industrializing Countries in the Context of Economic Interdependence," with partial travel support from the Ford Foundation. The week-long meeting brought trade and development specialists from Japan, Korea, Taiwan, the U.S., and several Southeast Asian countries together with staff members of the Center, the University of Hawaii, and international organizations to explore the structural adjustments and trade policies of some of the world's most dynamic economies.

Two international relations and economics activities involved cooperation with Japan. A February conference on Japanese and American foreign policies was cosponsored with the Association of Former Members of Congress and the Japan Center for International Exchange. Scholars, journalists, past and present members of the U.S. Congress, and members of the Japanese Diet discussed the foreign policies and foreign policy processes of the two countries and their implications for Japan-U.S. relations. Twelve discussion papers compared such subjects as U.S. and Japanese policies toward China, their respective Middle East policies, foreign assistance programs, and foreign trade policies. Center support supplemented a basic grant from the U.S.-Japan Friendship Commission.

The second Japan-related activity is an ambitious project on "Japan's Political Economy at the End of an Era," organized by the Japan Political Economy Research Committee. The Committee held two meetings at the Center, in January and July, to plan for a collaborative, multi-year analysis of Japan's political economy as Japan enters a new era in which "catch-up" growth has ended and the country takes on expanded international responsibilities. Outstanding scholars from the two countries will write more than 40 papers, providing an overview of the inter-relationship of the economic, political, and cultural factors that will shape the future of Japan's political economy. The project is jointly directed by Hugh Patrick of Yale University and Yasusuke Murakami of the University of Tokyo. The Center's support complements a multi-year grant from Japan's National Institute for Research Advancement.

A related study of "Comparative East-Asian Economic Development" was initiated by Robert Dernberger, a noted specialist on the Chinese economy on leave at the Center from the University of Michigan. This project seeks to assess cultural, political, and economic factors accounting for the differential but relatively rapid growth of East Asian economies, with particular reference to China and the sinitic roots of its developing neighbors. This long-term effort will be merged with the work of the Development Forum in the coming year.

Additional activities included research on the evolving economic and commercial laws of China, directed by Victor Li, president of the East-West Center, and assisted by research fellow Donald Lewis. In an August workshop, leading international experts began compiling and translating the current major laws in force in China.

Research fellows Charles Morrison, an analyst of Asian international relations, and Galen Fox, a China specialist on leave from the U.S. Department of State, coordinated the International Relations and Economics program.

Development Forum

The process and problems of socio-economic development are relevant concerns throughout the Center. The Development Forum was organized to address these concerns directly, in a fashion that encourages interaction across disciplinary and institute lines. During FY83, considerable time was devoted to developing a conceptual framework from which to proceed. Neil Jamieson, a research fellow appointed jointly in the Environment and Policy Institute and Centerwide Programs, coordinated this effort. Research fellows Gerald Hickey, an anthropologist experienced in Southeast Asia, and Robert Flammang, an economist on leave from Louisiana State University, also participated in Forum activities and initiated a study of the role of market towns in Southeast Asian development.

Also joining the Development Forum this year was Mohd. A. Nawawi, an Indonesian economist previously at Australian National University. Nawawi's studies focus on the role of popular participation in development and its implications for economic, political, and social change.

The Forum held periodic seminars to address a variety of development issues. Peter Berger, of Boston University, conducted a two-week series of discussions on the role of cultural values in the economic growth of Asian countries, human rights and development, and religion and development. Ward Goodenough, from the University of Pennsylvania, analyzed structural contradictions inherent in many development programs. Other speakers addressed such topics as lessons to be learned from development in the Caribbean, the role of research in development planning for northeast Thailand, and relationships between experts, planners, and villagers in improving water management systems in Southeast Asia.

Humanities Forum

During the year, the Humanities Forum prepared several projects that will begin full operation in FY 1984. "The Concept of Self in Literature" is headed by Wimal Dissanayake, assistant director of the Communication Institute who also serves as coordinator of the Humanities Forum. Dissanayake is assisted in this project by Reuel Denney, a noted specialist in American studies and popular culture. A conference in 1984 will comparatively analyze concepts of "self" as represented in literary works from various Asian and Western cultures.

A second project, on "The Lotus Sutra," is conducted jointly with University of Hawaii scholars and coordinated by Allan Grapard, a research fellow specializing in Japanese religions. This study deals with modern implications of the Lotus Sutra as it relates to social, cultural, and economic life in Japan and other Asian countries deeply influenced by this ancient Buddhist text.

The Humanities Forum organized some 25 seminars for the Center community during the year, in two categories. One series reflected the theme "World as Representation," the symbolic forms that people create within each culture to represent their world outlook and to pattern social actions. Presentation topics ranged from the political role of cultic centers in Japan to trends in 20th Century Vietnamese literature.

The second, more general series covered diverse topics within the Humanities, such as the Islamic faith as practiced in Pakistan, the cultural role of 19th century missionaries in the Pacific island of Palau, and the concept of irony and humor in human interaction. A number of East-West Center degree participants made presentations in this series. Visiting scholars who spoke under the auspices of the Humanities Forum included Timothy Light of Ohio State University (Chinese linguistics), Cameron Hurst of the University of Kansas (East Asian history), Greg Denning from Melbourne University, Australia (cultural anthropology), and Masao Abe from Claremont Graduate School (Japanese Buddhism).

International Education

The International Education Program is administered by Open Grants and coordinated by Dean Sumi Makey and her assistant Glenn Shive. During FY 1983, the project welcomed several research fellows, including Earl Hanson from Wesleyan University who completed a manuscript on "Values, Technology, and Society" and led a weekly seminar for EWC degree participants on the same topic. At year's end, William Cummings, a sociologist formerly at the National University of Singapore, joined the project on a half-time basis to study patterns of international educational exchange in the Asian/Pacific region. Herbert Simons, on leave from Temple University, began a five-month stay to lead a series of seminars on "Science, Values, and Communication."

Two research fellows continued their involvement from the previous year. Krishna Kumar, formerly in the Culture Learning Institute, led a seminar on cultural values and social change while completing several studies: (1) the structure of interactions in international collaborative research; (2) the international communicative behavior of university professors in the U.S., Philippines, and Korea; and (3) the effects of foreign education on the professional styles of Filipino and Korean academicians.

In the field of language education, Wu Jing-yu of Beijing's Second Foreign Languages Institute completed a year's work on teacher training for English as a Second Language (ESL) and the use of literature in ESL teaching. In cooperation with the University of Hawaii College of Education and the schools of Hawaii, the International Education program initiated a process of field study for Open Grants students interested in international education. The purpose is to develop the capacities of Asian/Pacific educators at the EWC to conduct research on organizational dynamics of school systems in a multi-ethnic community. Students will engage in field observations of classroom instruction, media services, curriculum development, and school administration.

Special Projects

Other activities under Centerwide auspices included two workshops on "Management Training for Public Works Projects," coordinated by Louis Goodman, formerly with the Resource Systems Institute. An outgrowth of RSI's publication of an integrated project planning and management curriculum, the September and March meetings involved participants from seven countries in South and Southeast Asia, New Zealand, and the U.S.

In conjunction with the Population Institute, Centerwide Programs took steps to strengthen EWC research and training in the field of human health, initially by cooperating with the University of Hawaii in the "First International Symposium on Public Health in Asia and the Pacific Basin," in March 1983. Thereafter, an ad hoc committee representing all institutes and programs was asked to coordinate the many health-related projects already underway at the Center.

Also in cooperation with the Population Institute, Centerwide Programs provided financial support for a week-long international "Symposium on Mobility, Identity, and Policy in the Island Pacific," organized by Murray Chapman (EWPI), in New Zealand in February 1983. Co-sponsored by the Commission on Population Geography of the International Geographical Union, the symposium was held in connection with meetings of the Pacific Science Association. Some two dozen research papers were submitted by specialists from the U.S., Australia, New Zealand, and a number of Pacific island states.

The Second Hawaii International Film Festival was held in November 1982 with Centerwide assistance, during which 30 Asian/Pacific feature films and documentaries were screened for Hawaii audiences totalling 15,000 people. Preparations for the 1983 Festival were organized jointly by Centerwide Programs and the Culture Learning Institute. The Humanities Forum assumed responsibility for the week-long symposium involving film directors, screen-writers, and scholars to be held annually as part of the festival program. The festival was again supported in part by grants from the Hawaii Committee for the Humanities, other local foundations, and corporate sponsors.

With a view to assessing the Center's long-term program opportunities, an ambitious project to identify "Critical Issues in the Future of the Asia-Pacific Region" was initiated early in the year. Proposed by Harrison Brown, director of the Resource Systems Institute until his retirement in July 1983, the project began with a series of meetings among Center staff and participants to explore the study's feasibility. Two important seminars were sponsored at the Center in January and June 1983, with leading scholars and officials from nine nations. These meetings set the stage for a series of activities to be completed during 1985, the Center's 25th anniversary year.

PUBLICATIONS AND OTHER PRODUCTS

BOOK

Morrison, Charles E., ed., Threats to Security in East Asia-Pacific.
Lexington, Mass.: Lexington Books, 1983. 214 pp.

OCCASIONAL PUBLICATIONS

Aquino, Rosemary, Louis J. Goodman, and John N. Hawkins, Training of Trainers Seminar: Management of Public Works Projects. Proceedings of conference held at the East-West Center 27 February-12 March 1983. Honolulu: East-West Center, 1983. vi, 185 pp.

Aquino, Rosemary, Louis J. Goodman, John N. Hawkins, Tetsuo Miyabara, and Reza Razani, Planning Conference on Management Training for Public Works Projects. Honolulu: East-West Center, January 1983. 110 pp.

Fox, Galen, The PRC's New Policy Directions: An Assessment. A Pacific Forum Workshop Report. Honolulu: UH Press, 1983. 18 pp.

BOOK CHAPTER

Murray, Douglas, P., "Face to face: American and Chinese interactions." In Communicating with China, ed. Robert A. Kapp. Chicago: Intercultural Press, 1983.

JOURNAL ARTICLES

Lewis, D.J., "A requiem for Chinese customary law in Hong Kong." The International and Comparative Law Quarterly 32, pt. 2, April 1983.

Porter, Edgar A., "Romance in China." East-West Journal, April 1983.

_____, "Selected papers from the 1982 East-West Center conference on teaching English language and journalism in China: Perspectives on foreign participation: A conference summary." Language Learning and Communication, A Journal of Applied Linguistics in Chinese and English 2(1), Spring 1983.

BOOK REVIEW

Hickey, Gerald C., Review of Sociologie d'une commune vietnamienne: Participation sociale, modes culturels, famille, religion, dans la commune de Ha Van, by Francois Houtart and Genevieve Lemercinier. Louvain-la-Neuve: Catholic University of Louvain, 1981. Journal of Asian Studies 42(4), August 1983.

NEWSPAPER ARTICLE

Morrison, Charles E., "U.S. trade with Pacific nations keep growing," The American Banker, 28 June 1983.

CONFERENCE PAPERS

Lewis, D.J., "Walking through the economic contract law: Issues and sources." Paper presented at the Workshop on Current Laws in Force in the People's Republic of China, 1-12 August 1983, Honolulu. 21 pp.

Morrison, Charles E., "Multiethnicity in South and Southeast Asia." Paper presented at the Workshop on the Study of "Multi-Ethnic Society" and Its Implication for Intercultural Education, 14-15 July 1983, Kyoto.

_____, "U.S.-Japan relations." Paper presented at the Conference on Japan and Asia in the 1980s, 28-29 April 1983, the Royal Institute of International Affairs, London.

Morrison, Charles E., Sueo Sekiguchi, and Paul Wonnacott, "U.S.-Japan economic relations." Paper presented at the Sixth Shimoda Conference, 1-4 September 1983, Airlie house, Virginia.

Murray, Douglas, P., "Beyond diversity: The convergence of Asian cultures?" Paper prepared for the Tokyo Colloquium (Yomiuri Shimbun) Conference on the Future of Asia, 23-25 August 1983, Singapore.

_____, "Critical issues in the future of Asia." Opening talk at the Tokyo Colloquium (Yomiuri Shimbun) Conference on the Future of Asia, 23-25 August 1983, Singapore. Summary published in The Daily Yomiuri, 6 September 1983, Tokyo.

Yang, Y.H., "Agricultural performance, food availability, and dietary change in Asia and the Pacific." Paper presented at Agri-Energy Roundtable, 9-11 December 1982, Maui, Hawaii.

PROJECT PARTICIPANTS

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Pacific Islands Area Seminar

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Critical Issues in the Future of the Asia-Pacific Region (January)

Participants

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Alejandro Melchor, Executive Director, Asian Development Bank, Manila, Philippines

Michio Nagai, Professor, United Nations University, Tokyo, Japan

B. D. Nag Chaudhuri, Calcutta, India

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Critical Issues in the Future of Asia-Pacific Region (June)

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Japan Political Economy Research Committee Workshop (January)

Participants

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Japan Political Economy Research Committee Workshop (July)

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Workshop on Current Laws in Force in the People's Republic of China

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Japan and the United States: Comparative Studies in Foreign-Policy Making
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Patterns of Growth and Structural Change in Asia's Newly Industrializing Countries and Near-NICs in the Context of Economic Interdependence

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Training of Trainers for Public Works Meeting

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Krishna Dubey, Director, Operations Planning, Hawaiian Electric Company, Honolulu, Hawaii

S. Erhas, Head, Education and Training Planning Subdivision Training Center, Ministry of Public Works, Jakarta, Indonesia

John N. Hawkins, Associate Professor and Director, Curriculum Inquiry Center, University of California, Los Angeles, California

Anis Latief, Head, Training Division, Training Center, Ministry of Public Works, Jakarta, Indonesia

Shyam Narayan, Superintending Engineer, Ministry of Works and Housing, New Delhi, India

Abdullah Nasution, Head, Education and Training, Department of Public Works, Medan, Indonesia

Elmore Marsh Perera, Additional Director, Sri Lanka Institute of Development Administration, Colombo, Sri Lanka

Surendra Lal Shrestha, Head, Transport and Communication Section, National Planning Commission, Kathmandu, Nepal

Kevin J. Thompson, Civil Engineer, Ministry of Works and Development, Wellington, New Zealand

First International Symposium on Public Health and the Pacific Basin

Participants

Nikorn Dusitsin, Professor, Department of Obstetrics and Gynecology,
Chulalongkorn University, Bangkok, Thailand

D. Carlton Gajdusek, Chief, Laboratory of Central Nervous System Studies,
National Institutes of Health, Bethesda, Maryland

Estrella Pacuan Gonzaga, Consultant, Primary Health Care, Philippine
Population II, Ministry of Health, Manila, Philippines

Debhanom Muangman, Dean, Faculty of Public Health, Mahidol University,
Bangkok, Thailand

Wai-on Phoon, Head, Department of Social Medicine and Public Health,
University of Singapore, Singapore

Anthony Polloi, Chief of Mental Health Services, Palau State Hospital,
Koror, Republic of Belau

Does Sampoerno, Dean, School of Public Health, University of Indonesia,
Jakarta, Indonesia

Bambang Sutrisna, Professor, Department of Epidemiology, Faculty of Public
Health, University of Indonesia, Jakarta, Indonesia

Ren-ying Yan, Director, First Teaching Hospital, Beijing Medical College,
Beijing, People's Republic of China

World Future Studies Federation Meeting

Participants

M. Uvais Ahamed, Media Education Specialist, UNESCO Regional Office for
Education in Asia and Pacific, Bangkok, Thailand

Magda Cordell McHale, Director, Center for Integrative Studies, State
University of New York, Buffalo, New York

Lin-zheng Qin, Secretary General, Chinese Society for Future Studies,
Beijing, People's Republic of China

International Education Program Participants

(see Student Affairs and Open Grants)

Program Support Offices

Administrative, program, fiscal, and secretarial overload support from the individual institutes were reorganized on a trial basis in mid-1982 to form two Program Support Offices. In FY83, one PSO served the Communication and Culture Learning institutes, Pacific Islands Development Program, and Centerwide Programs, and the other served the Environment and Policy, Population, and Resource Systems institutes.

The PSOs were established to (1) increase consistency and accountability in the development and implementation of Center policies and procedures; (2) improve and increase communication among Center programs; (3) maintain the efficiency and quality of support services during a period of programmatic and administrative consolidation at the Center; and (4) provide an efficient method of handling peak workloads of the programs.

The Program Support Offices provided (1) overall administrative services; (2) fiscal services for budgeting, expenditure monitoring, and processing of payment documents; (3) overload clerical services for research and participant-related activities in the programs; (4) personnel services including certification of availability of funds and procedural conformance and, as requested, creation of position descriptions and selection monitoring; and (5) support for participant-related activities including documentation, administration, and logistics.

The staff of each PSO includes program officers and assistants, fiscal officers and assistants, secretaries, and an administrative officer who supervises the office.

PROGRAM SUPPORT OFFICES

Staff

CI/CLI/PIDP/CW

Administrative Officer

Merry Lee Corwin, MA American Studies, University of Hawaii, 1977. Worked extensively in various countries in Southeast Asia, including serving as head of the Office of Information at the International Rice Research Institute, Philippines, and rural affairs specialist to USAID/Philippines. Joined Center in 1971 as junior researcher for Communication Institute and was program officer until 1982. Received BA in English from Connecticut College.

Program Officers

Gale S. Awaya, BA Education, University of Hawaii, 1974. Joined the Center in 1976 and has worked in the Logistics Office and in Student Affairs and Open Grants where she was assistant participant resources officer. Currently completing an M.Ed. in Educational Administration at the University of Hawaii.

Jeanne Hamasaki has been with the Center since 1964. She has served in various capacities in the President's Office and was most recently administrative assistant to the Vice President.

June Kuramoto, Assistant Program Officer. MS Speech Pathology and Audiology, University of Hawaii, 1978. Joined the Center in 1974 as a student assistant.

Margaret White, MA Anthropology, 1981 and MA Asian Studies, 1970, University of Hawaii. Holds a BA in Journalism from Marquette University, Wisconsin. Worked as a reporter for the Associated Press before joining the Center in 1972. Studied Chinese in Taiwan in 1969 while on an East-West Center grant.

Fiscal Officers

Hazel Tatsuno, Cannon's School of Business. Has been at the Center since its inception, starting as a secretary in the Institute of Advanced Projects. Was fiscal officer for both Culture Learning and Communication institutes before serving in this capacity in the Program Support Office serving Communication, Culture Learning, Pacific Islands Development Program, Centerwide Programs and the Resource Materials Collection.

Karen Yamamoto, Fiscal Assistant. MA English as a Second Language, 1976, B.Ed. English and BA Japanese, 1973, University of Hawaii. Joined Center in 1976 as accounting clerk in the Disbursing Office, moved to administrative clerk in Communication Institute in 1979 and to Program Support Office in 1982.

Administrative Officer

Susan M. Palmore, MA Political Science, University of Hawaii, 1964. Joined Population Institute as a staff researcher in 1970 and later served as a program officer until 1982. Attended Goucher College in Maryland and Clark University in Massachusetts before attending University of Hawaii where received BA in History. Before joining the Center, taught at Punahou School and Kaimuku Community School in Honolulu.

Program Officers

Mendl Djunaidy, MA International Relations, Johns Hopkins University, 1968. Assigned to Resource Systems Institute and Population Institute during 1983. Formerly a research assistant at Brookings Institution and Institute for International Studies in Office of Education, Washington, D.C.

Delores Gresham, Assistant Program Officer. Attended University of Florida. Joined Center as secretary in the Communication Institute in 1978 and later served as secretary for professional development in the Population Institute. Assigned to Population and Resource Systems institutes as assistant program officer in November 1982. Before joining the Center worked at The Experiment in International Living's School for International Training in Vermont.

Carolyn N. Ishikawa, MPH Public Health, University of Hawaii, 1974. Joined Population Institute as program officer for graduate study in 1975 and now assigned to Population Institute. Native of Honolulu; received BA in Education from the University of Hawaii. Taught in Nepal and on the U.S. mainland. Resigned September 30, 1983.

Lisa Kraemer, MA Geography, State University of New York (SUNY) at Binghamton. Conducted environmental research in New York State and served as assistant resident and resident director of dormitory at SUNY Binghamton. Joined Center as half-time program officer assigned to the Environment and Policy Institute in March 1983.

Rochelle A. McArthur, MA Political Science, University of Hawaii, 1973. Assigned to the Environment and Policy Institute. Obtained undergraduate degree in Foreign Service from the University of the Philippines. Prior to joining the Center in 1979, worked with several University of Hawaii units--the Hawaii Environmental Simulation Laboratory, the Department of Information and Computer Sciences, and the Social Science Research Institute's PALM (Pacific Area Languages Materials) Development Center.

Administrative Assistant

Fannie Lee Kai, Administrative Assistant for Participant and Activity Services. Joined the Center in 1962 and has served in various administrative capacities, most recently with the Environment and Policy Institute. In 1977, received the Baron Y. Goto Award for "Intercultural Activity in Everyday Life" for her significant contributions for fostering better relations among people of East and West.

Fiscal Officers

Shirley S. Kidani, BS Human Development, University of Hawaii, 1973. Joined the Communication Institute in 1975 and then served as fiscal assistant in the Environment and Policy Institute. Resigned August 25, 1983, to pursue MPH, University of Hawaii.

Harriet Kusuhara, Certificate, Accounting, Dietz Commercial School, 1941. Has been on staff of Center since its inception in 1960 and most recently served as fiscal officer in the Resource Systems Institute. Serves as head of PSO fiscal unit. Before joining Center worked with the International Cooperation Center, a training center established in the Office of the Governor, State of Hawaii.

Marie Nomura, Cannon's School of Business. Assigned primarily to Population Institute as fiscal assistant. Joined the Population Institute in 1978 as secretary to AID contract coordinator. Previously worked as secretary to Dean of Students, Chaminade College, Honolulu, Hawaii.

Resource Materials Collections

Resource Materials Collections of the individual institutes were consolidated in July 1982 to form two integrated collections. One serves the Environment and Policy, Population, and Resource Systems institutes (EPR-RMC), and the other serves the Communication and Culture Learning institutes, Pacific Islands Development Program, and Centerwide Programs (CCPC-RMC).

Services provided by the RMCs to the institutes, Center staff, others in the University of Hawaii community, and visiting researchers include interlibrary loan, selective dissemination of information, and computerized or manual bibliographic searching.

In addition, the RMCs provide training opportunities for librarians and information specialists. In FY83, an intern from the China Population Information Center gained practical experience working in the ERP-RMC, and the CCPC-RMC provided practicum programs of 90 hours for two students in the University of Hawaii Graduate School of Library Studies.

The EPR-RMC, located on the second floor of Burns Hall, includes a documentation service and collection of 12,000 books, 10,000 documents, Asian and Pacific censuses, microfilms, maps, and motion pictures. The collection has materials on population and family planning, environment and environmental policy, energy, natural resources, urbanization, and women. In FY83, more than 3,000 new items were catalogued for the collection.

The CCPC-RMC, on the fourth floor of Burns Hall, consists of approximately 12,000 books, 7,500 documents, 545 journals, newsletters and newspapers, audio-visual resources, and vertical file materials. The collection covers socio-cultural and economic effects of communication and information technologies; mass media developments and their role in international relations; communication and socio-economic development; culture and mental health; modernization and language development; cross-cultural contact and interpersonal relations; international relations and economics; and general development issues for Asian and Pacific countries. In FY83, 1,728 new items were added to the collection. Special attention was given to developing resources on telecommunications, computers, electronic information systems, trade, and disaster management and preparedness planning.

RESOURCE MATERIALS COLLECTIONS

Staff

CI/CLI/PIDP/CW

Head Librarian

Sumiye Konoshima, Resource Materials Specialist. MA Social Psychology, Columbia University, 1957, and MLS Library Studies, University of Hawaii, 1973. Joined staff of East-West Center Library in 1963. Was librarian for administration and special projects until 1971. Coordinated and participated in conferences/workshops on documentation and information networking. Consultancies on development of information resource centers, information networking, and documentation. Publications include bibliographies, directories, and papers on information networks/documentation, and information use.

Other Staff

Ruth Horie, Junior Resource Materials Specialist. BA Hawaiian Studies, University of Hawaii, 1979; MLS Library Studies, University of Hawaii, 1981. Prior to joining the Center in 1981, was student intern with the Pacific Collection, Hamilton Library, University of Hawaii. Has Hawaiian language translation and editorial experience.

Marian Inouye, Resource Materials Technician. Has been with the East-West Center since 1969, beginning with the Population Institute. Formerly headed the Technology and Development Institute RMC, then worked with the EAPI/RSI Research Materials Center prior to her present position.

EAPI/PI/RSI

Head Librarian

Alice D. Harris, Resource Information Specialist. MS Library Science, Drexel University, 1956, and MA in Population Geography, University of Hawaii, 1975. Joined EWC in 1965 and Population Institute in 1969. Previous experience includes work in business and public libraries; two years as a branch librarian at Rutgers University, and four years as Western Language Cataloger for EWC.

Other Staff

Irene T. Carr, Resource Materials Technician. BA Psychology, California State College, Los Angeles, 1967. Joined EWC in 1975, having previously worked at Hamilton Library, University of Hawaii.

Rita Hong, Junior Resource Materials Specialist. Graduate of University of Hawaii and Dietz Commercial College, joined EWC in 1962. Formerly with East-West Center Library (now the Asia Collection at University of Hawaii's Hamilton Library) and head of the Resource Systems Institute RMC.

Phyllis Kagehiro, Junior Resource Materials Specialist. BA College of St. Catherine, St. Paul, Minnesota, 1978, and MLS, University of Hawaii, 1980. Joined Population Institute RMC in 1980, having previously worked as a student helper in the EAPI/RSI RMC.

Terese Leber, Junior Resource Materials Specialist. BA Humboldt State University, Humboldt, California, 1971, and MLS, University of Hawaii, 1981. Joined EAPI/RSI RMC as a professional associate in 1981.

Publications Office

In mid-October 1982, the Publications Office (PO) was established to coordinate publishing activities formerly based in the Center's institutes and program offices. The reasons for this change were to provide more uniform editorial assistance, streamline production, standardize and improve dissemination practices, and achieve economies of scale through more efficient use of publication staff and resources.

The office is responsible for the Center's scholarly and program-related publishing activities. It issues publications reporting on the results of Center research and related work, and assists institutes and offices in publishing manuscripts externally. The office is therefore involved in publication planning and budgeting, contract negotiation, arranging for manuscript reviews, editing, production, promotion, dissemination, cost accounting, and data collection for evaluating the Center's publishing activities. It also provides editorial and production assistance to other units of the Center on work not directly related to scholarly publications.

Publications issued or processed by the office include books; series such as scholarly and technical reports or papers, program reports, working papers and preprints, policy briefs, and reprints; newsletters and periodicals; conference proceedings or summaries of proceedings; instructional materials such as bibliographies and course syllabi; articles for submission to scholarly and professional journals; and brochures and bulletins describing institute programs. The majority are issued directly by the Center, but others--primarily books--are published externally after being edited and, in many cases, produced to a camera-ready stage by the office.

The office has 16 staff members, most of whom were originally based in other units of the Center. Functionally it is organized into three units, headed by a publications manager: Editorial Services, Graphics and Production Services (formerly called Media Production Services while attached to the Public Affairs Office), and Dissemination Services.

During FY83, the office had two major objectives: to strengthen established publication activities of the individual EWC institutes and program offices, and to begin developing a coherent, cost-effective scholarly publication program for the Center in consultation with management and academic staff. In addition to continuing the publishing programs of institutes that formerly had their own publications officers, the new office also began serving four units previously without publication support--the Resource Systems Institute, Student Affairs and Open Grants, the Pacific Islands Development Program, and Centerwide Programs.

Accomplishments

The Publications Office issued 146 publications during the year, in the following categories: 9 books, 16 serial research reports and papers, 6 program reports, 10 newsletters and periodical issues, 47 working papers, 32 reprints, 4 instructional materials, 5 conference reports, 6 policy briefs, and 11 brochures and bulletins. In addition, several dozen manuscripts were in the final stages of publication at year's end.

Major published works included books on China's social system (CI), language planning in India (CLI), elementary demographic measures (PI), changes in the world oil market (RSI), and economic valuation of natural systems, environmental guidelines for offshore oil and gas development, and tropical forest watersheds (EAPI). Other important products of Center research and program activities were a report on a seminar for trainers of public works managers (CW), a series of Pacific island energy reports (PIDP and RSI), and a series of marine policy issues briefs (EAPI). Details of all FY83 publications are presented in the institutes' and program offices' sections of this report. The office developed standard procedures for handling each stage of the publication process, from peer review to dissemination, and arranged for creation of separate revenue accounts that enable proceeds from publication sales to be credited to individual institutes and program offices. PO staff prepared for management three detailed quarterly reports on its activities; a fourth was in preparation at year's end.

The PO assumed responsibility for gathering and editing information about EWC staff members' and participants' external publications and unpublished research each quarter. That information is listed in the respective institutes' sections of this report.

Staff members were active in several professional organizations, including the Hawaii Graphic Designers Association and local chapters of the Society for Technical Communication and Women in Scholarly Publishing.

Editorial Services

Editorial staff met with the Academic Publications Committees of four institutes (Culture Learning, Environment and Policy, Population, and Resource Systems) to explain PO procedures and review institute publication programs. The committees responded favorably to the PO's efforts to make editorial procedures more uniform. PO editors revised written publication guidelines for two institutes and prepared new guidelines for another. Editors also assisted research and program staff in formulating their publication plans for FY 1984.

The unit began reviewing EWC contracts with other publishers for the purpose of improving the terms of future contracts.

Two staff members attended a meeting on Scholarly Communication around the World, sponsored jointly by the Society for Scholarly Publishing, the Council of Biology Editors, and the International Federation of Scientific Editors.

They reported on highlights of the meeting to office staff and to members of the Honolulu chapter of Women in Scholarly Publishing.

Graphics and Production Services

The unit handled 450 work requests during the year, of which 49 percent related to scholarly publications, 12 percent were for other kinds of publication, and 39 percent were for miscellaneous purposes (e.g., signs, displays, certificates, administrative forms, announcements).

Because word-processing and typesetting equipment acquired by several institutes some years ago and donated to the PO for publication production is not compatible with the Center's central word processor, efforts were made to establish an electronic link between the central system and a computerized typesetting system outside the Center. Such a link would eliminate the need to rekeystroke manuscripts prepared on the word processor. With the assistance of the EWC Management and Computer Services unit and the University of Hawaii, GPS arranged to have a 495-page book typeset on the UH Press's computerized photocomposition system from magnetic tape. This promising development has led to arrangements with the Press for producing several more books via magnetic-tape conversion.

Dissemination Services

The Publications Office gave major attention to improving dissemination of EWC publications. With the temporary appointment of a dissemination specialist, many new activities were undertaken.

A publication display area was established in the unit, adjacent to the Public Affairs Office, and a display of recent publications was put in the lobby of John Burns Hall. Both displays are updated frequently. The unit also arranged for EWC publications to be exhibited at several conferences in the United States and Asia.

DS handled 31 mass mailings and 22 special mailings for institutes and program offices during the year. It filled more than 150 orders and requests for publications each month and responded to numerous other enquiries.

A file containing reviews and citations of publications was created for each institute and office. Copies of reviews and citations received from publishers were forwarded to authors and circulated to management with quarterly reports. The dissemination specialist devised a one-page questionnaire for authors to improve dissemination of publications to appropriate individuals and organizations. A list of academic and professional journals that contain review sections also was prepared for each institute to aid authors in identifying appropriate recipients of review copies of their works. In response to a request from researchers, the unit prepared lists of new publications for Centerviews, the tabloid issued by the Public Affairs Office.

A catalog entitled East-West Center Publications, 1981-83 was being printed at year's end, and a catalog of in-print publications issued through 1980 was updated and reissued.

The unit arranged to list in the next edition of Bowker's Books in Print many EWC publications that were not previously included in that important reference work. Examples are EAPI's Research Reports, CI's Case Studies, and PI's Paper Series. All such works are now routinely assigned International Standard Book Numbers (ISBNs), as well as International Standard Serial Numbers (ISSNs) for serial publications.

Several information retrieval services requested and, with directors' consent, were granted nonexclusive permission to reproduce EWC publications on microfiche, microfilm, or hard copy for dissemination to their worldwide users. Inclusion in these data bases not only increases awareness of Center publications, but also tends to increase demand for the publications themselves. The services currently include the Educational Resources Information Clearing House (ERIC) and the Environmental Information Clearinghouse (EIC). Important out-of-print works are made available to interested readers through the Books on Demand program of University Microfilms International.

In October 1982, the unit gave away several hundred surplus publications through a well-publicized inventory reduction that attracted many people from the UH community as well as the Center. Surplus publications not claimed during the two-day clearance were shipped at the expense of the Asia Foundation to institutions served by its Books for Asia Program.

The unit continuously updated institutes' mailing lists during the year. It "scrubbed" two institutes' lists by requesting that recipients send back a postcard to indicate their interest in remaining on the lists. After the scrubblings, printruns of new publications were reduced to avoid large surpluses. Plans for FY 1984 include more list scrubblings and, with installation of a data-processing terminal and assistance from a systems analyst, creation of an on-line integrated mailing list system that will eliminate inefficiencies and duplications of the current keypunched system.

PUBLICATIONS OFFICE

Staff

Publications Manager

Sandra E. Ward, BA English, Oberlin College, 1960. Was publications officer for the East-West Population Institute, 1972-82. Earlier served as editor at the Population Council in New York and as desk officer for the Middle East and Africa and director of Information Services at CARE headquarters (New York). Was consultant to UN World Food Programme, Rome, in spring 1981.

Editorial Staff

Sheryl R. Bryson, MS Journalism and Mass Communication, Iowa State University, 1977; BA Journalism, Drake University, 1967. Senior Editor. Former publications officer in East-West Environment and Policy Institute; editor for Publication and Information office, College of Tropical Agriculture, University of Hawaii; and associate editor and information specialist for Iowa Agriculture and Home Economics Experiment Station, Iowa State University. Is a journalism instructor at the University of Hawaii and has taught journalism at Iowa State University. Has been a book editor with a university press, assistant editor of a trade magazine, newspaper reporter, and wire service reporter.

Lynn I. Garrett, BA Literature, Antioch College, 1977. Editorial Assistant. Was editor at Archaeological Research Center Hawaii and owner/manager of retail business on Kauai. Joined the East-West Center in March 1983.

Louise H. Good, MA Asian Studies, University of Hawaii, 1973. Associate Editor. Served as proofreader, editorial assistant, and publications assistant in the publications unit of the Communication Institute during 1976-77 and 1981-82. Experience prior to joining the Publications Office included technical writing and editing for Belt, Collins & Associates and proofreading for Innovative Media, Honolulu. Resigned in January 1983.

Robert L. Hearn, MA English, University of Hawaii, 1980. Editor. Joined the Population Institute in July 1981 as writer/editor. Former senior production editor at the University Press of Hawaii. BA English, California Polytechnic State University, San Luis Obispo, 1973.

Michael E. Macmillan. Editor. Before joining the Publications Office, worked as a broadcaster and newspaper writer, served in the United States Army, and studied history.

Mariet M. Mendoza, BBA Banking and Finance, University of the East, Manila. Editorial Assistant. Before moving to Hawaii in January 1973, worked for more than four years as secretary to a senior economist at the Asian

Development Bank. Has been with the Center for almost eight years. Also worked with the Sheraton Hotels in Hawaii before joining the Center in November 1975.

Terry L. Schulze, BA Biology and BA Journalism, University of Hawaii, 1970. Senior Editor. Joined the Center in 1979 as publications officer in the Communication Institute. Worked as a research associate in a medical school, a newspaper reporter, a television news script writer, a technical editor, and a medical editor. Before coming to the Center in March 1979, was a publications editor for the University of California at San Francisco. Several of her publications won citation awards in a national competition held by the Council for the Advancement and Support of Education (CASE).

Helen F. Takeuchi. Assistant Editor. Attended Honolulu Business College. Joined the Center December 1979 as a secretary in the Environment and Policy Institute. Since being assigned to the Publications Office in October 1982, completed seven short-term courses in editing and writing.

Barbara W. Yount, MA International Law and Relations, Columbia University, 1961. Senior Editor. Joined the Center in 1972 as program officer. Has since held various writing/editing positions, including associate editor of East-West Perspectives. Prior to coming to the Center, was managing editor of American Scientist magazine, as well as researcher at Woodrow Wilson Institute of International Relations, Princeton University. Has received a Woodrow Wilson Fellowship, a Fulbright Scholarship, and a Unesco Travel/Study Fellowship. While at the Center, has served as a consultant to several international organizations, including the United Nations.

Production Staff

Lois M. Bender, BA English, Goshen University, 1950. Production Assistant. Resided in Micronesia for eight years. Tutored students in English as a second language at McKinley High School in Honolulu for two years. Joined the Center in 1972 as a member of the Population Institute secretarial staff.

Jacqueline D'Orazio, AA Elizabeth Seton College, 1967. Production Coordinator. Has been with the Center since September 1974, working first in the Public Affairs Office. Previously with printing firms in Hawaii and New York.

Russell Fujita. Graphic Artist. Studied art and architecture at the University of Hawaii and graphic arts at Honolulu Community College. Joined the Publications Office staff in December 1982. Had own design business in Honolulu for five years.

Clifford Y. Takara, BA Fine Arts, University of Hawaii, 1969. Joined the Center in 1976 as illustrator/designer.

Vanessa S.Y. Tamashiro, BS Human Development, University of Hawaii 1979. Production Assistant. Joined the Center in December 1979 as manuscript typist in the publications unit of the Communication Institute and

later served in that unit as publications assistant. Resigned in March 1983.

Dissemination Staff

Constance Kleinjans, BA Studio Art, Kenyon College, 1977. Marketing Specialist. Began working at the Center in August 1981 as a proofreader in the Communication Institute and became a publications assistant in that institute before joining the Publications Office. Appointment ended September 30, 1983.

Valerie S. Payton, BA Psychology, Clark University, 1977. Dissemination Clerk. Before moving to Hawaii, assisted in the International Development Program in Massachusetts. Appointed as Dissemination Clerk on September 6, 1983.

Barbara Stevens, University of Houston (two years). Dissemination Clerk. Joined EWC staff in January 1982. Previous positions included customer service representative, United Parcel Service; secretary to employee relations specialist, Saudi-Arabian Bechtel; and secretary to general manager, Saudi-Bahraini Cement Co. Resigned in August 1983.

PUBLICATIONS AND OTHER PRODUCTS

JOURNAL ARTICLE

Yount, Barbara W., "Folk media utilization for motivational purposes." Folk Media and Mass Media in Population Communication. Population Communication: Technical Documentation, no. 8. Paris: UNESCO, 1982.

PRESENTATIONS

Bryson, Sheryl R., Reported on meeting on Scholarly Communication around the World, sponsored jointly by the Society for Scholarly Publishing, the Council of Biology Editors, and the International Federation of Scientific Editors' Associations (May 16-20, 1983, Philadelphia), Women in Scholarly Publishing, August 25, 1983, Honolulu.

Hearn, Robert L., "On-line editing with word processing systems." Panelist at meeting for Society for Technical Communication, February 15, 1983, Honolulu.

Ward, Sandra E., Reported on meeting on Scholarly Communication around the World, sponsored jointly by the Society for Scholarly Publishing, Scientific Editors' Associations (May 16-20, 1983, Philadelphia), Women in Scholarly Publishing, August 25, 1983, Honolulu.

Yount, Barbara W., Review of the Federally Employed Women (FEW) National Training Program held at the Sheraton on July 14-16, 1983, for East-West Center employees.

Public Affairs

Diane Nosse Dods, Director

The Office of Public Affairs continued to streamline operations to increase the impact of its public information program. Major attention was given to heightening the visibility of the Center's programs on the mainland United States through the print media, in addition to increasing all dissemination efforts. All activities were targeted and audience-specific, with an increased focus on national audiences. The primary objective was to establish the East-West Center as the foremost institution in the region for education and research on Asian/Pacific affairs.

News Services

A major increase in the placement of EWC articles in major news media on the U.S. mainland and in Asia and a continued high rate of placement in the Honolulu media highlighted the year.

Regional Media. A comprehensive national and international media contact program was developed under the name of the "East-West News Service," offering writers and editors material on current issues in Asia, the Pacific, and the United States. The prime targets were editorial page editors, foreign editors and correspondents, and freelance magazine writers. The initial response to this offer of service from editors and writers was encouraging. A steady flow of material then was provided to them in several forms, including editorial "backgrounders," "op-ed pieces" for opinion pages, research information on major issues, copies of speeches, and story ideas. This resulted in placement of major East-West Center articles in such publications as the New York Times, Christian Science Monitor, Wall Street Journal, San Francisco Chronicle, Washington (D.C.) Times, and Asian Wall Street Journal. In addition, articles were placed with the Cox News Service, New York Times News Service, Field News Service, Copley News Service, Associated Press and United Press International. Exposure in prominent mainland media also resulted in requests for material, such as an article in a special edition of the American Banker daily newspaper in New York; a briefing on the Center for Robert Gibson, international economics correspondent for the Los Angeles Times; and a request from a network television news correspondent for background information on Asia in preparation for President Reagan's November 1983 trip. Cultivation of freelance writers resulted in articles accepted for publication in Asiaweek magazine, Foundation News magazine, Japan Reader's Digest, and the Continental Airlines magazine. Contact with Asia media resulted in newspaper coverage of EWC conferences in Thailand, Korea, and Japan and in the Asian Wall Street Journal. EWC material also was placed in Pacific

publications, including Pacific Islands Monthly, Islands Business magazine and Pacific Magazine.

Newsletters. The format of the weekly "Centerweek" newsletter was modified to provide a more complete calendar of events for the EWC community. An information retrieval system was developed in cooperation with the institutes, using the Word 11 information system. Another innovation was development of a daily posting of events called "Today at the East-West Center" in Burns Hall, Jefferson Hall, and the residence halls as an additional way to keep the EWC community informed. Publication of the "At the Center" community newsletter was terminated in July. Information formerly provided by this newsletter was included in the new Centerviews newspaper and other forms of community contact.

Community Services

The community services arm of the Public Affairs Office has continued to develop programs to expand linkages between the East-West Center and the region with special attention devoted to Hawaii. Initial planning began to encompass the interests of national and international audiences in the development of programs.

On-going programs included: varied and interesting series of community lecture-luncheons, speakers to numerous community groups, tours of the Center's facilities for hundreds of visitors, special events, public access T.V. programs, the Second Annual Hawaii International Film Festival, and staff guidance and support to the Friends of the East-West Center, a community support organization.

In addition, a vigorous effort was made to inform the Hawaii media of on-going and up-coming institute and centerwide conferences, seminars, lectures, and events. While maintaining local emphasis, the community services section has also continued to brief and program official international visitors to the Center.

A highlight of the year was the speech delivered by Australian Prime Minister Robert J. Hawke at a dinner hosted by the EWC Board of Governors. That evening one hundred key leaders from the community also heard remarks by Fiji Prime Minister and EWC Governor Ratu Sir Kamisese K.T. Mara.

Lecture-luncheons. Through the lecture/luncheon series, this unit expanded its public education program on contemporary issues in Asian/Pacific relations. Fifteen lecture-luncheons were attended by 1,100 community leaders this fiscal year. These lectures ranged in topic from China trade to cross-cultural training in the arts and included notable speakers Walt and Elspeth Rostow, U.S. Ambassador H. Monroe Browne, Hugh Patrick, U.S. Ambassador Carlton S. Coon, Jr., former U.S. Ambassador James E. Akins, and Counselor to the U.S. Secretary of Commerce Clyde V. Prestowitz, Jr. This series served as an excellent vehicle for establishing the Center as a platform for important foreign policy addresses and discussions, as well as

extending the Center's involvement with community groups through co-sponsorship with the Public Relations Society of America (PRSA), Hawaii International Services Agency (HISA), Pacific and Asian Affairs Council (PAAC), Women in Communications, Inc. (WICI), and American Association of University Women (AAUW).

Local Media and Centerweek. By keeping the local media informed of story ideas and upcoming speakers, events, conferences and the like, we were able to continue the momentum in the media which the Center has enjoyed the last two years. Local stories, articles, and editorials included pieces on Center research projects, seminars and conferences, cultural presentations, special activities, and the Center as an institution. Advisories which were sent out prior to the lecture-luncheons generated enough interest to result in press coverage of nearly all the lectures. Portions of four of the lectures were rebroadcast on public radio.

A series of six television talk shows were developed and aired on KGMB'S public access show "Voices of Concern." This series highlighted Center conferences and research and included discussions of the political economy of Japan, cultural effects on art and the environment, and a meeting with U.S. Congressmen Lee Hamilton (Indiana) and Cecil Heftel (Hawaii).

In addition to the local media coverage, interviews with Center staff and fellows were arranged for Asian Television Ltd. (Hong Kong) and the Nihon Television Network (Japan).

Community Services continued to serve the Center "family" through weekly publication of Centerweek and daily issuing of "Today at the Center."

EWC Videotape. A 25-minute videotape on the Center's programs and activities was produced in English and Japanese. Copies of the tape are available at U.S. embassies in the region.

Center Tours and Speakers Bureau. Over 1,000 visitors toured the Center facilities. Visiting groups included the Japan-America Institute of Management Science (JAIMS), several senior citizen clubs, Japanese university students, as well as local high school groups. By early summer, several volunteers from the Friends of the East-West Center were trained and conducting regularly scheduled tours three times a week.

Speakers from the Center addressed 1,500 people at Lion's clubs, Kiwanis, Zonta International, Rotary Clubs, as well as other civic organizations.

Briefings. Three hundred official visitors were briefed on Center programs and programmed to meet with appropriate staff members. Many of these visitors were U.S. foreign service officers, enroute to or from their posts in the region, as well as foreign reporters and mayors visiting the U.S. Use of the new EWC overview videotape provided these visitors with a consistent, high quality introduction to the Center and saved many hours of community service staff time.

Special briefings and programs were also arranged for a group of political leaders from Australia, U.S. congressmen, the Public Affairs Officers Conference, and foreign ministers from a number of Asian/Pacific countries.

Special Events. In addition to many on-going activities, the community services section organized special events at the Center including: a dinner for the prime minister of Australia; an open house for 200 community leaders; a reception for the Makana O'Hawaii Conference, a meeting of national and Hawaii foundation leaders; a reception for the Board of Governors during their June meeting and a community dinner in their honor in January; Centernight; and a special lecture-screening of Australia's award winning film "First Contact."

Community services also arranged luncheons and briefings for many visiting dignitaries, including USIA Director Charles Wick, Commander in Chief Pacific Admiral William Crowe, U.S. Ambassador Ronald Spiers, U.S. Ambassador John Scanlon, U.S. Ambassador John Reed, and President Tosiwo Nakayama of the Federated States of Micronesia, to name a few.

Friends of the East-West Center. A reorganization in the community services staff allowed for regular part-time staff support for the Friends' many activities. Among accomplishments related to the Friends was a membership drive which resulted in a 100 percent increase in paid members (bringing its membership to more than 700) and an International Cooking Fair with Nino Martin which drew over 750 observers.

Central Publications Services

The Central Publications unit produced the 1982-83 President's Review; a special edition of East-West Perspectives featuring the text of Australian Prime Minister Robert J. Hawke's address at the Center, remarks by Ratu Sir Kamisese K.T. Mara and Dr. Victor Hao Li, and a background article on the Center and its relationship with Australia; two editions of Centerviews, a new 8-page bimonthly tabloid featuring Center programs, participants, alumni, and staff; three information folders (general information, visitor's guide, and Friends of the East-West Center); and the 1983-84 General Information Bulletin.

Vice President for Administration

Wesley T. Park, Vice President for Administration

The Office of Administration assists the president in overall management of the Center by providing essential administrative support services to the institutes and offices. Administrative services are provided through the following units: Financial and Administrative Services, Housing and Facilities Management, Logistics, Management and Computer Services, and Personnel.

Financial and Administrative Services

The Financial and Administrative Services office provides budgeting and accounting support to the East-West Center. In 1983, the Financial and Administrative Services unit developed specifications for the development of a new on-line general ledger system and developed and revised policies and procedure for the new manual. The Finance unit which supports the processing and control of accounting transactions, disbursement of funds, the control over budgets and management of cash continued to assist offices within the Center. The Contracts and Procurement unit provided central procurement support which included the purchase of educational services, audio visual equipment, housing materials, supplies, equipment and maintenance services, as well as rendering assistance and guidance in administering contracts and grants awards. Central mail services and printing was supported by the Business Services unit.

Housing and Facilities Management

The Housing unit has been successful in operating as an auxiliary enterprise since FY82, generating revenues above normal operating expenses. The additional revenues has enabled the unit to better maintain the Housing facilities, which included exterior painting, improving kitchen facilities, and installing safety features such as smoke detectors and fire alarm systems in both Hale Manoa and Hale Kuahine.

Facilities Management directed considerable funds toward maintenance and alteration projects. Projects included computer room renovations, Jefferson Hall exterior painting, and renovation of the restrooms, lanai, and dining areas at Jefferson Hall. Projects cost totaled \$450,000 this year. After an exceptional saving on electrical consumption the previous year, conservation measures continued to save 60,000 kwh during the year.

Logistics

The Logistics office provides facilities and services for conferences, seminars, and special events; audio-visual services including television and audio productions; motor vehicle service; and maintenance of the Center grounds. The office provided support for 223 Center-sponsored conferences and events, as well as for many outside organizations such as the Forum

Fisheries Agency, Japan-America Institute of Management Science, National Oceanic and Atmospheric Administration, International Learning System, State of Hawaii, Census Bureau, National Institute of Health, Municipal Information Systems in the Pacific Area Community Group, Hawaii Nurses Association, Hawaii Literacy, and many other community groups.

Audio-video services during the past year included television productions for the Center, University of Hawaii, Bishop Museum, and public service spots. Slide tape productions were completed for the Center and the University of Hawaii.

Grounds and vehicle maintenance highlights included the start of construction on improved walkways and the "Friendship Circle" in the center of campus, and upgrading of the Center vehicle pool to increase reliability and decrease costs.

Management and Computer Services

The Management and Computer Services office provides computer support services to the entire East-West Center. Efforts this year were directed toward designing and implementing a new on-line computerized personnel system and a new on-line general ledger system. The new systems allow users to enter transactions directly into the computer and to obtain up-to-the-minute information. In addition to the new system development, efforts of the unit were directed toward establishing a system development standards, documenting existing transaction procedures, installing communication lines within Burns Hall, renovating administrative offices and the new computer room, and coordinating the efforts for a new Vice President for Administration's Policy and Procedures Manual.

Personnel

The Personnel office's purpose is to develop and maintain a comprehensive personnel system that is best suited to Center's needs. The ongoing activities include assisting employees with problems and concerns relating to their employment, maintaining general personnel operations, and reviewing and developing personnel policies and procedures. This unit worked with the HGEA on various labor relation issues and negotiated a new collective bargaining agreement, conducted in-depth classification reviews, carried out required recruitment and benefit activities, and developed a new on-line personnel system.

Participant Statistics

PARTICIPANTS BY INSTITUTE

October 1, 1982 - September 30, 1983

Participant Numbers

	Fellows	Professional Associates		Research Interns	Joint Doctoral Research Interns	Students		Non-Degree Students	Total
		BWC	Field			Doctorate	Masters		
Communication Institute	51	129	34	26	5	17	26	9	297
Culture Learning Institute	24	176		18	2	18	31		269
Environment & Policy Institute	48	178	380	25	1	27	10		669
Population Institute	79	131	117	27	4	34	18		410
Resource Systems Institute	51	168	47	43	18	33	20	2	382
Open Grants	9			1		47	76	4	137
Pacific Islands Development Program	8	5		5	1			2	21
Centerwide Programs	22	129		10					161
Program Development	8	30		1					39
TOTAL	300	946	578	156	31	176	181	17	2,385

Participant Months

	Fellows	Professional Associates		Research Interns	Joint Doctoral Research Interns	Students		Non-Degree Students	Total
		BWC	Field			Doctorate	Masters		
Communication Institute	137	137	12	104	24	130	139	12	695
Culture Learning Institute	131	141		93	13	178	253		809
Environment & Policy Institute	171	97	93	119	3	215	66		764
Population Institute	266	97	26	171	35	259	89		943
Resource Systems Institute	167	41	11	192	80	317	141	1	950
Open Grants	38			3		408	543	8	1,000
Pacific Islands Development Program	31	5		39	12			4	91
Centerwide Programs	107	35		40					182
Program Development	30	12		2					44
TOTAL	1,078	565	142	763	167	1,507	1,231	25	5,478

East-West Center Participants by Country

October 1, 1982 - September 30, 1983

	Fellows	Professional Associates BWC	Field	Research Interns	Joint Doctoral Research Interns	Students Doctorate	Masters	Non-Degree Students	Total
South East Asia									
Brunei		1							1
Burma							2		2
Indonesia	8	62	79	4		5	7		165
Malaysia	4	20	11		1	9	5		50
Philippines	13	43	87	17	4	14	8		186
Singapore	2	11	1	1		3	3		21
Thailand	14	47	202	6	4	17	4		294
Vietnam		2							2
SUBTOTAL	41	186	380	28	9	48	29		721
East Asia									
China									
Mainland	7	43	14	2		2	8	12	88
Taiwan	2	35	2	1	1	5	6		52
Hong Kong		11	2	2		2	4		21
Japan	17	92	12	6		6	7		140
Korea	15	29	40	8		17	7		116
SUBTOTAL	41	210	70	19	1	32	32	12	417
South Asia									
Bangladesh		4	1	2		4	4		15
India	4	33	4	6	2	8	5		62
Iran		1		1	1	1			3
Nepal	1	7	9	3	1	3	6		30
Pakistan	5	11	7	9	1	4	5		42
Sri Lanka	1	12	12	1	2	5	1		34
SUBTOTAL	11	68	33	21	7	25	21		186
Pacific Region									
Australia	13	42	7	3	1	6	9		81
New Zealand	2	15	6	1		6	7		37
American Samoa	1	2		1		1	1		6
Belau		12					3		15
Cook Islands		2					2		4
Federated Micronesia		9				1	2		12
Fiji	2	6	2	1		2	2	3	18
Guam	1	1				1	6		9
Kiribati							1		1
Marshall Islands		2							2
New Caledonia		1							1
Northern Marianas		1						2	3
Papua New Guinea	2	2	19				5	2	30
Solomon Islands		3							3
Tonga			1				2		3
Tuvalu							1		1
Western Samoa	2	2	6						10
SUBTOTAL	23	100	41	6	1	17	43	5	236
United States	171	314	35	80	11	54	56		721
Other	13	68	19	2	2				104
TOTAL	300	946	578	156	31	176	181	17	2,385

East-West Center Participants by Country 1960 - 1983

	Fellows	Professional Associates BWC	Field	Research Interns	Joint Doctoral Research Interns	Doctorate	Students Masters	Bachelors	Non-Degree Students	Total
South East Asia										
Brunei		1						1		2
Burma	2	11		1			19	1		34
Cambodia		13	1				2	4		20
Indonesia	63	774	265	56	5	16	75	10		1,264
Laos		32	1				1	42		76
Malaysia	20	432	68	32	3	21	63	39		678
Philippines	82	900	414	110	21	47	242			1,816
Singapore	8	136	66	5		6	27	6		254
Thailand	48	790	708	51	13	45	179			1,834
Vietnam	1	48	12	3	1		25	13		103
SUBTOTAL	224	3,137	1,535	258	43	135	633	116		6,081
East Asia										
China										
Mainland	17	153	46	5		1	11		12	245
Taiwan	38	652	677	26	8	26	180			1,607
Hong Kong	11	158	14	12	2	8	58			263
Japan	133	1,400	2,778	36	10	38	296	1		4,692
Korea	77	652	336	60	18	65	201			1,409
Macao		6								6
SUBTOTAL	276	3,021	3,851	139	38	138	746	1	12	8,222
South Asia										
Afghanistan	1	41	1	10		6	18	23		100
Bangladesh	9	168	23	11	1	9	32			253
India	73	485	70	28	14	67	155	2		894
Iran	6	65	5	5	1	3	2			87
Nepal	6	88	45	14	5	6	40	4		208
Pakistan	26	162	18	45	3	37	78			369
Sri Lanka	13	157	41	12	3	14	32			272
SUBTOTAL	134	1,166	203	125	27	142	357	29		2,183
Pacific Region										
Australia	72	326	464	9	2	20	51	1		945
New Zealand	31	218	217	13	3	13	31			526
American Samoa	5	222	917	1		1	5	11		1,162
Belau		173	48				7	7		235
Cook Islands	2	49	57				5	1		114
Easter Island		1				1				2
Federated Micronesia		379	156			1	10	21		567
Fiji	9	198	406	6	1	3	9	26	3	661
French Polynesia	1	20	8	1						30
Gilbert Islands		36	4							40
Guam	2	78	215			2	8	1		306
Kiribati		3	2				1			6
Marshall Islands		126	78			1	1	4		210
Nauru		8								8
New Caledonia		32	140	1						173
Niue		13	3					1		17
Norfolk Island		1								1
Northern Marianas	1	206	194	3		1	7	5		417
Papua New Guinea	6	126	38	4			12	5	2	193
Solomon Islands	1	34	84				1			120
Tonga	4	85	93	4			4	10		200
Trust Territory		58	632							690
Tuvalu		2	1				1			4
Vanuatu		23	167							190
Western Samoa	6	159	388	1		1	5	8		568
SUBTOTAL	140	2,575	4,313	43	6	44	158	101	5	7,385
United States	742	5,551	287	289	57	205	894	19		8,044
Other	36	537	32	12	3					620
TOTAL	1,552	15,987	10,221	866	174	664	2,788	266	17	32,535

FY 1983 PARTICIPANT AWARDS BY OCCUPATIONAL CATEGORY

	Fellows	Professional Associates and Interns	Students and Joint Doctoral Research Interns	Non-Degree Students	Total
<u>CENTRAL GOVERNMENT</u>					
Ministerial Level Officials	1				1
Executive Level Officials	1	1			2
Professionals & Scientists in Central Government	40	419	38		497
Legislators		17			17
Others in Central Government	1	28	9		38
<u>STATE, REGIONAL OR PROVINCIAL GOVERNMENT</u>					
Executive Level Reg Officials		1			1
Professionals and Scientists in Regional Government	4	26	5		35
Others in Regional Government		1			1
<u>CITY OR TOWN GOVERNMENT</u>					
Professionals and Scientists in City Government			1		1
<u>INTERNATIONAL ORGANIZATIONS</u>					
Employees of International Organizations	4	27	3		34
<u>UNIVERSITY LEVEL</u>					
University Presidents or Rectors		1			1
University Administrative Staff	34	132	3	1	170
University Teaching or Research Staff	118	427	69	5	619
University Graduate Students	9	117	133		259
University Undergraduate Students			22		22
Others in Universities	7	61	11	2	81
<u>SECONDARY SCHOOLS</u>					
Secondary School Principals		1			1
Secondary School Teachers or Staff		7	13		20
<u>ELEMENTARY SCHOOLS</u>					
Elementary School Principals/Teachers		1			1
<u>BUSINESS</u>					
Corporate Executives	2	41			43
Managers Employed by Business	1	34	1		36
Employees		2	2		4
Professionals and Scientists Employed by Business	4	32	13		49
Others in Business	1	4			5
<u>SELF-EMPLOYED PROFESSIONALS</u>					
Legal Field	1				1
Other Self-Employed Professionals	4	8	1		13
<u>INDEPENDENT INSTITUTES, NON-PROFIT CORPORATIONS, HOSPITALS, ETC.</u>					
Directors of Institutes, Corporations or Hospitals	9	22			31
Managers-Executives in Institutes and Corporations	14	60	4		78
Employees of Institutes and Corporations	4	13	6		23
Professionals and Scientists Employed by Institutes, etc.	22	105	37		164
Others in Institutes and Corporations		24	3		27
<u>THE ARTS</u>					
Authors: Playwrights, Poets, etc.		1			1
Producers of Films		2			2
Other Arts		1			1
<u>ELECTRONIC MEDIA</u>					
Radio and TV Journalists			1		1
Others in Electronic Media			1		1
<u>PRINTED MEDIA</u>					
Editors	7	6	1		14
Journalists	5	18	1	9	33
Others in Printed Media	1	3			4
<u>MILITARY</u>					
Military		4			4
<u>OTHER</u>					
Other/Unspecified	6	33	10		49
TOTAL	300	1,680	388	17	2,385

Financial Information

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CENTER FOR CULTURAL AND TECHNICAL INTERCHANGE BETWEEN EAST AND WEST, INC.

BALANCE SHEETS, SEPTEMBER 30, 1983 AND 1982

Assets

	1983	1982
CURRENT FUNDS:		
General operating funds:		
Cash (including interest bearing accounts of \$931,619 and \$1,503,775 and book overdrafts of \$625,555 and \$862,634 for 1983 and 1982, respectively)	\$ 307,634	\$ 641,141
Due from United States Information Agency	2,840,650	2,875,972
Accounts receivable	58,846	154,324
Inventories	16,170	18,121
Prepaid expenses	125,237	137,655
Equity in publishing fund	58,097	53,309
Due from endowment fund	990	
Total general operating funds	3,407,624	3,880,522
Restricted operating funds:		
Cash	3,597	3,241
Prepaid expenses	29,703	9,922
Due from general operating funds	440,875	145,543
Due from sponsors	1,241,428	1,464,557
Total restricted operating funds	1,715,603	1,623,263
Total current funds	5,123,227	5,503,785
ENDOWMENT FUNDS:		
Cash	14,994	12,904
Due from general operating funds		258
Total endowment funds	14,994	13,162
PLANT FUNDS:		
Due from general operating funds		400,000
Furniture and equipment	4,742,222	3,600,087
Building improvements	2,114,067	1,641,769
Total plant funds	6,856,289	5,641,856
ELIMINATION OF INTERFUND BALANCES	(441,865)	(545,801)
TOTAL	\$11,552,645	\$10,613,002

Liabilities and Fund Balances

	1983	1982
CURRENT FUNDS:		
General operating funds:		
Accounts payable and accrued liabilities	\$ 542,848	\$ 848,975
Accrued vacation	940,650	868,972
Due to United States Information Agency	4,749	77,638
Other deposits	4,738	3,322
Due to plant funds		400,000
Due to endowment funds		258
Due to restricted operating funds	440,875	145,543
Fund balance:		
Equity in publishing fund	58,097	53,309
Unappropriated	35,536	223,505
Reserve for dormitory maintenance and replacement	690,084	94,000
Reserve for encumbrances	690,047	1,165,000
Total general operating funds	3,407,624	3,880,522
Restricted operating funds:		
Accounts payable and accrued liabilities	70,875	13,727
Accrued vacation	21,545	21,545
Fund balance	1,623,183	1,587,991
Total restricted operating funds	1,715,603	1,623,263
Total current funds	5,123,227	5,503,785
ENDOWMENT FUNDS:		
Due to general operating fund	990	
Fund balance	14,004	13,162
Total endowment funds	14,994	13,162
PLANT FUNDS:		
Renewals and replacements—unrestricted		400,000
Net investment in plant	6,856,289	5,241,856
Total plant funds	6,856,289	5,641,856
ELIMINATION OF INTERFUND BALANCES	(441,865)	(545,801)
TOTAL	\$11,552,645	\$10,613,002

CENTER FOR CULTURAL AND TECHNICAL INTERCHANGE BETWEEN EAST AND WEST, INC.

STATEMENTS OF CURRENT FUNDS REVENUES, EXPENDITURES, AND OTHER CHANGES
FOR THE YEARS ENDED SEPTEMBER 30, 1983 AND 1982

	CURRENT FUNDS.....			CURRENT FUNDS.....		
	..... YEAR ENDED SEPTEMBER 30, 1983.....			..... YEAR ENDED SEPTEMBER 30, 1982.....		
	GENERAL OPERATING	RESTRICTED OPERATING	TOTAL	GENERAL OPERATING	RESTRICTED OPERATING	TOTAL
REVENUES:						
Federal grant:	\$18,000,000		\$18,000,000	\$16,880,000		\$16,880,000
Gifts:						
General	157,801		157,801	222,264		222,264
Cost sharing - cash	64,637		64,637	223,111		223,111
Cost sharing - donated services	1,054,634		1,054,634	1,302,943		1,302,943
Contracts and grants:						
Federal		\$1,216,767	1,216,767		\$ 979,986	979,986
Other		709,107	709,107		321,942	321,942
Auxiliary enterprises	397,888		397,888	327,443		327,443
Other	386,470		386,470	398,156		398,156
Total current revenues	<u>20,061,430</u>	<u>1,925,874</u>	<u>21,987,304</u>	<u>19,353,917</u>	<u>1,301,928</u>	<u>20,655,845</u>
EXPENDITURES:						
Education, research and training programs:						
Communications Institute	1,807,175	99,523	1,906,698	2,081,412	89,393	2,170,805
Cultural Learning Institute	1,749,108	83,980	1,833,088	2,134,455	31,259	2,165,714
Resource Systems Institute	2,326,127	262,761	2,588,888	2,384,738	279,681	2,664,419
Population Institute	2,268,551	970,801	3,239,352	2,323,836	679,532	3,003,368
Environment and Policy Institute	2,163,615	135,940	2,299,555	2,124,848	38,976	2,163,824
Open grants	1,673,274	18,076	1,691,350	1,449,488	9,654	1,459,142
Pacific Island Development Program	272,552	329,135	601,687	247,204	124,419	371,623
Center wide programs	767,000	10,886	777,886	275,390	28,012	303,402
Program Development	212,011		212,011			
Education dissemination service	585,281		585,281	231,807		231,807
Auxiliary enterprises	903,968		903,968	1,058,147		1,058,147
	<u>14,728,662</u>	<u>1,911,102</u>	<u>16,639,764</u>	<u>14,311,325</u>	<u>1,280,926</u>	<u>15,592,251</u>
Program direction, administration and institute support:						
Board of Governors and International Advisory Panel	129,287		129,287	170,451		170,451
President	1,303,688	7,359	1,311,047	1,277,554	21,002	1,298,556
Vice President Administration	2,881,218	7,413	2,888,631	2,151,621		2,151,621
Plant operations	1,117,011		1,117,011	939,807		939,807
	<u>5,431,204</u>	<u>14,772</u>	<u>5,445,976</u>	<u>4,539,433</u>	<u>21,002</u>	<u>4,560,435</u>
Total current expenditures	<u>20,159,866</u>	<u>1,925,874</u>	<u>22,085,740</u>	<u>18,850,758</u>	<u>1,301,928</u>	<u>20,152,686</u>
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENDITURES	(98,436)		(98,436)	503,159		503,159
OTHER TRANSFERS AND ADDITIONS/(DEDUCTIONS):						
Excess of current restricted awards over expenditures		49,580	49,580		116,784	116,784
Refunded to grantors		(14,388)	(14,388)			
Payments to United States Information Agency	(363,614)		(363,614)			
Transfer of Plant Funds renewal and replacement fund to General Operating Funds	400,000		400,000			
NET INCREASE (DECREASE) IN FUND BALANCES	<u>\$ (62,050)</u>	<u>\$ 35,192</u>	<u>\$ (26,858)</u>	<u>\$ 503,159</u>	<u>\$ 116,784</u>	<u>\$ 619,943</u>

CENTER FOR CULTURAL AND TECHNICAL INTERCHANGE BETWEEN EAST AND WEST, INC.

STATEMENTS OF CHANGES IN FUND BALANCES
FOR THE YEARS ENDED SEPTEMBER 30, 1983 AND 1982

	.....YEAR GENERAL OPERATING FUNDS	ENDED SEPTEMBER 30, 1983..... RESTRICTED OPERATING FUNDS	ENDOWMENT FUNDS	PLANT FUNDS	.....YEAR GENERAL OPERATING FUNDS	ENDED SEPTEMBER 30, 1982..... RESTRICTED OPERATING FUNDS	ENDOWMENT FUNDS	PLANT FUNDS
REVENUES AND OTHER ADDITIONS:								
Federal grant	\$18,000,000				\$16,880,000			
Expended for plant facilities charged to current funds expenditures				\$1,735,334				\$1,423,695
Cost sharing gifts and donated services	1,119,271				1,526,054			
Gifts and bequests - unrestricted	157,801				222,264			
Gifts, grants and contracts - restricted		\$2,201,473	\$ 842			\$1,418,712	\$ 970	
Auxiliary enterprises revenue	397,888				327,443			
Other miscellaneous income	386,470				398,156			
Total revenues and other additions	<u>20,061,430</u>	<u>2,201,473</u>	<u>842</u>	<u>1,735,334</u>	<u>19,353,917</u>	<u>1,418,712</u>	<u>970</u>	<u>1,423,695</u>
EXPENDITURES AND OTHER DEDUCTIONS:								
Education, research and training programs	14,728,662	1,911,102			14,311,325	1,280,926		
Administrative and general expense	5,431,204	14,772			4,539,433	21,002		
Equipment deletion				120,901				78,394
Payments to United States Information Agency	363,614							
Indirect costs		226,019						
Refunded to grantors		14,388						
Total expenditures and other deductions	<u>20,523,480</u>	<u>2,166,281</u>	<u>-0-</u>	<u>120,901</u>	<u>18,850,758</u>	<u>1,301,928</u>	<u>-0-</u>	<u>78,394</u>
TRANSFERS AMONG FUNDS - ADDITIONS/(DEDUCTIONS):								
Transfer of Plant Funds renewal and replacement fund to General Operating Funds	400,000			(400,000)				
NET INCREASE FOR THE YEAR	(62,050)	35,192	842	1,214,433	503,159	116,784	970	1,345,301
FUND BALANCE, BEGINNING OF YEAR	<u>1,535,814</u>	<u>1,587,991</u>	<u>13,162</u>	<u>5,641,856</u>	<u>1,032,655</u>	<u>1,471,207</u>	<u>12,192</u>	<u>4,296,555</u>
FUND BALANCE, END OF YEAR	<u>\$ 1,473,764</u>	<u>\$1,623,183</u>	<u>\$14,004</u>	<u>\$6,856,289</u>	<u>\$ 1,535,814</u>	<u>\$1,587,991</u>	<u>\$13,162</u>	<u>\$5,641,856</u>
	(Schedule I)	(Schedule V)			(Schedule II)	(Schedule VI)		

CENTER FOR CULTURAL AND TECHNICAL INTERCHANGE BETWEEN EAST AND WEST, INC.

SCHEDULE OF CHANGES IN GENERAL OPERATING FUND BALANCES
FOR THE YEAR ENDED SEPTEMBER 30, 1983

	FEDERAL GRANT	OTHER CURRENT FUNDS	PUBLICATION FUND	INTER FUND ELIMINATION	TOTAL GENERAL OPERATING FUNDS
REVENUES AND OTHER ADDITIONS:					
Federal grant	\$18,000,000				\$18,000,000
Cost sharing gifts and donated services		\$1,119,271			1,119,271
Gifts and bequests - unrestricted		157,801			157,801
Auxiliary enterprises revenue		1,005,084		\$ (607,196)	397,888
Educational activities		306,092		(306,092)	
Investment income		61,094			61,094
Net income in equity in publishing fund			\$ 4,788		4,788
Other miscellaneous income		289,607		30,981	320,588
Total revenues and other additions	<u>18,000,000</u>	<u>2,938,949</u>	<u>4,788</u>	<u>(882,307)</u>	<u>20,061,430</u>
EXPENDITURES AND OTHER DEDUCTIONS:					
Education, research and training programs	13,382,937	2,171,003		(825,278)	14,728,662
Administrative and general expense	4,880,593	607,640		(57,029)	5,431,204
Payments to United States Information Agency		363,614			363,614
Total expenditures and other deductions	<u>18,263,530</u>	<u>3,142,257</u>	<u>-0-</u>	<u>(882,307)</u>	<u>20,523,480</u>
TRANSFERS AMONG FUNDS:					
Transfer of Plant Funds renewal and replacement fund to General Operating Funds		400,000			400,000
NET INCREASE (DECREASE) FOR THE YEAR	(263,530)	196,692	4,788		(62,050)
FUND BALANCE, BEGINNING OF YEAR	<u>769,049</u>	<u>713,456</u>	<u>53,309</u>		<u>1,535,814</u>
FUND BALANCE, END OF YEAR	<u>\$ 505,519</u>	<u>\$ 910,148</u>	<u>\$58,097</u>	<u>\$ -0-</u>	<u>\$ 1,473,764</u>

CENTER FOR CULTURAL AND TECHNICAL INTERCHANGE BETWEEN EAST AND WEST, INC.

SCHEDULE OF CHANGES IN GENERAL OPERATING FUND BALANCES
FOR THE YEAR ENDED SEPTEMBER 30, 1982

	FEDERAL GRANT	OTHER CURRENT FUNDS	PUBLICATION FUND	INTER FUND ELIMINATION	TOTAL GENERAL OPERATING FUNDS
REVENUES AND OTHER ADDITIONS:					
Federal grant	\$16,880,000				\$16,880,000
Cost sharing gifts and donated services		\$1,526,054			1,526,054
Gifts and bequests - unrestricted		222,264			222,264
Auxiliary enterprises revenue		926,845		\$ (599,402)	327,443
Educational activities		314,376		(314,376)	
Investment income		137,481			137,481
Net income in equity in publishing fund			\$ 1,226		1,226
Other miscellaneous income		192,163		67,286	259,449
Total revenues and other additions	<u>16,880,000</u>	<u>3,319,183</u>	<u>1,226</u>	<u>(846,492)</u>	<u>19,353,917</u>
EXPENDITURES AND OTHER DEDUCTIONS:					
Education, research and training programs	12,827,192	2,666,279		(1,182,146)	14,311,325
Administrative and general expense	3,283,759	920,020		335,654	4,539,433
Total expenditures and other deductions	<u>16,110,951</u>	<u>3,586,299</u>	<u>-0-</u>	<u>(846,492)</u>	<u>18,850,758</u>
NET INCREASE (DECREASE) FOR THE YEAR	769,049	(267,116)	1,226		503,159
FUND BALANCE, BEGINNING OF YEAR		980,572	52,083		1,032,655
FUND BALANCE, END OF YEAR	<u>\$ 769,049</u>	<u>\$ 713,456</u>	<u>\$53,309</u>	<u>\$ -0-</u>	<u>\$ 1,535,814</u>

CENTER FOR CULTURAL AND TECHNICAL INTERCHANGE BETWEEN EAST AND WEST, INC.

**SCHEDULE OF CURRENT GIFTS, GRANTS, CONTRACTS AND
DONATED SERVICES REVENUES AWARDED
FOR THE YEAR ENDED SEPTEMBER 30, 1983**

General Operating			Restricted Gifts, Grants and Contracts	Total
Gifts				
General	Cost Sharing	Donated Services		
Public Donors:				
Africa		\$ 4,420		\$ 4,420
American Samoa		1,830		1,830
Australia		32,549	\$ 121,317	155,000
Bangladesh	\$ 4,888			4,888
Canada		34,115		34,115
China		54,440		54,440
Cook Islands		1,502	4,000	5,502
England		5,276		5,276
Federated States of Micronesia		825	1,200	9,990
Fiji Islands		108	5,000	5,108
France		5,354		5,354
Greece		1,480		1,480
Haiti		1,602		1,602
Holland		4,876		4,876
Hong Kong		9,541		9,541
India		7,797		7,797
Indonesia		41,662		41,662
Italy		2,168		2,168
Japan		6,078	100,000	182,599
Jordan		4,756		4,756
Korea	99,701			123,321
Malaysia		25,326		25,326
Nepal		162	5,000	5,162
New Guinea		8,781	18,000	26,781
New Zealand		17,831		17,831
Nigeria		1,967		1,967
Pakistan	2,212			4,617
Philippines		847		35,087
Republic of Belau		17,038		17,038
Republic of Kiribati		1,024		1,024
Singapore		10,743		10,743
Sri Lanka	1,000			5,541
Sweden		3,400		3,400
Switzerland		1,746		1,746
Taiwan		1,120		23,929
Thailand	50,000	600		126,352
Tonga			7,245	7,245
United States		1,905	1,077,694	1,114,790
West Germany				6,904
Western Samoa				116
Total Public Donors	157,801	12,509	1,339,456	2,101,324

SCHEDULE III

General Operating			Restricted Gifts, Grants and Contracts	Total	
Gifts					
General	Cost Sharing	Donated Services			
Private Donors:					
ASEAN Population Coordination Unit			\$ 33,500	\$ 33,500	
Atherton Foundation			5,000	5,000	
Bishop Trust			2,000	2,000	
Cooke Foundation			1,000	1,000	
EWC Alumni			969	969	
Ford Foundation		\$ 3,599	52,912	56,511	
Fulbright — Hayes		3,549		3,549	
Hewlett Foundation			210,000	210,000	
Int'l Development Research Centre (IDRC)			15,624	15,624	
Int'l Federation of Institutes			50,000	50,000	
Int'l Service for National Agricultural Research			90,000	90,000	
Int'l Union for Conservation of Nature			12,080	12,080	
Khon Kaen University Thailand			157,740	157,740	
Korea Research Foundation			11,800	11,800	
Korea Trader's Association			62,250	62,250	
National Geographic Society			10,100	10,100	
Pacific Resources, Inc.			25,000	25,000	
Press Foundation of Asia		19,081		19,081	
Spencer Foundation			12,569	12,569	
Tokyo Electric Power Co.			10,000	10,000	
United Nations — General	\$ 2,544	17,135	26,000	45,679	
United States Educational Institutions	3,821	26,752		30,573	
United States — General	10,369	193,631		204,000	
University of Hawaii		111,170		111,170	
University of Hawaii Foundation		41,448	10,000	51,448	
University of New Hampshire			10,000	10,000	
World Bank		887		887	
World Health Organization			15,000	15,000	
Miscellaneous private donors	35,394	45,824	38,473	119,691	
Total Private Donors	52,128	463,076	862,017	1,377,221	
Total (Public/Private Donors)	\$157,801	\$ 64,637	\$1,054,634	\$2,201,473	\$3,478,545

CENTER FOR CULTURAL AND TECHNICAL INTERCHANGE BETWEEN EAST AND WEST, INC.

SCHEDULE OF CURRENT GIFTS, GRANTS, CONTRACTS AND
 DONATED SERVICES REVENUES AWARDED
 FOR THE YEAR ENDED SEPTEMBER 30, 1982

	.....GENERAL OPERATING..... .....GIFTS.....			RESTRICTED GIFTS, GRANTS AND CONTRACTS	TOTAL
	GENERAL	COST SHARING	DONATED SERVICES		
PUBLIC DONORS:					
American Samoa		\$ 2,700	\$ 96	\$ 2,000	\$ 4,796
Australia		900	75,916	114,815	191,631
Bangladesh	\$ 5,640		1,171		6,811
Canada		5,385	19,521		24,906
China			16,791		16,791
Cook Islands			5,620		5,620
Coord. Council for N.A.	20,000				20,000
England			1,864		1,864
Federated States of Micronesia				2,000	2,000
Fiji Islands			5,789	5,000	10,789
Hong Kong			1,117		1,117
India			4,963		4,963
Indonesia	34,040	500	116,568		151,108
Japan		9,173	48,012	70,000	127,185
Korea	96,244		52,000		148,244
Macau		4,484			4,484
Malaysia	12,500		21,001		33,501
Mexico		739	1,010		1,749
Nepal			2,866		2,866
New Guinea		2,000	9,735		11,735
New Zealand		400	5,464		5,864
Pakistan	2,840				2,840
Philippines		1,700	84,189		85,889
Republic of Belau			721		721
Republic of Kiribati				4,000	4,000
Saudi Arabia			3,687		3,687
Singapore			12,321		12,321
Sri Lanka	1,000				1,000
Taiwan			11,046		11,046
Thailand	50,000	930	87,128		138,058
Tonga Government			200	4,000	4,200
Trust Territory Pacific			3,020		3,020
United States		8,727	160,563	1,031,037	1,200,327
Total public donors	<u>222,264</u>	<u>37,638</u>	<u>752,379</u>	<u>1,232,852</u>	<u>2,245,133</u>

CENTER FOR CULTURAL AND TECHNICAL INTERCHANGE BETWEEN EAST AND WEST, INC.

SCHEDULE OF CURRENT GIFTS, GRANTS, CONTRACTS AND
DONATED SERVICES REVENUES AWARDED
FOR THE YEAR ENDED SEPTEMBER 30, 1982

	.....GENERAL OPERATING.....			RESTRICTED GIFTS, GRANTS AND CONTRACTS	TOTAL
	.....GIFTS.....				
	GENERAL	COST SHARING	DONATED SERVICES		
PRIVATE DONORS:					
Asia Foundation		\$ 800			\$ 800
Bankers Assn. Korea		10,000			10,000
CLI Kettering Fdn. 1A281-7			\$ 6,024		6,024
Comm. for Coord/JT Prospect			680		680
Exxon Corporation		10,000			10,000
Ford Foundation			64,573	\$ 63,662	128,235
Fulbright - Hayes			5,040		5,040
Int'l. Explore & Prod. Forum		8,500			8,500
Int'l Union Study on Population			2,933		2,933
IUGS - Int'l. Union Geo. Sci.		6,255	73,843		80,098
Kettering Foundation			143		143
Population Council		1,000			1,000
Princeton		18,000			18,000
Rockefeller Foundation		1,500	1,279	25,000	27,779
South Pacific Commission		1,963			1,963
Summer Institute of Ling			5,250		5,250
United Nations General		20,334	28,441	37,120	85,895
United States Ed. Institutions		3,133	15,641		18,774
United States - General		45,567	220,571		266,138
University of Hawaii		11,260	82,440		93,700
University of Hawaii Fdn.		24,120	6,798		30,918
Ronald Weidenbach			8,400		8,400
Wener Gren Anthro. Foundation			10,410		10,410
Westinghouse				5,925	5,925
World Bank		130	4,542	19,998	24,670
Miscellaneous private donors		22,911	13,556	34,155	70,622
Total private donors	<u>-0-</u>	<u>185,473</u>	<u>550,564</u>	<u>185,860</u>	<u>921,897</u>
TOTAL	<u>\$222,264</u>	<u>\$223,111</u>	<u>\$1,302,943</u>	<u>\$1,418,712</u>	<u>\$3,167,030</u>
TOTAL FOR LAST YEAR	<u>\$389,647</u>	<u>\$108,102</u>	<u>\$1,599,795</u>	<u>\$1,502,219</u>	<u>\$3,599,763</u>

CENTER FOR CULTURAL AND TECHNICAL INTERCHANGE BETWEEN EAST AND WEST, INC.

SCHEDULE OF CHANGES IN RESTRICTED OPERATING GIFTS, GRANTS
AND CONTRACTS FUND BALANCES
FOR THE YEAR ENDED SEPTEMBER 30, 1983

	BALANCE OCTOBER 1, 1982	ADDITIONS	EXPENDITURES AND DELETIONS	BALANCE SEPTEMBER 30, 1983
PUBLIC SECTOR:				
American Samoa	\$ 418		\$ 300	\$ 118
Australia	96,973	\$ 121,317	183,678	34,612
Cook Islands		4,000		4,000
Federated States of Micronesia	1,984	1,200	500	2,684
Fiji Islands	3,709	5,000	3,768	4,941
Hawaii	17,641	89,117	60,367	46,391
Japan	73,603	100,000	88,491	85,112
Nepal		5,000		5,000
New Guinea		18,000	1,901	16,099
Republic of Kiribati	3,547		1,928	1,619
Tonga Government	3,944	7,245	2,905	8,284
United States	1,180,779	988,577	1,422,373	746,983
Total public sector	<u>1,382,598</u>	<u>1,339,456</u>	<u>1,766,211</u>	<u>955,843</u>
PRIVATE SECTOR:				
ASEAN Pop. Coord. Unit		33,500	19,063	14,437
Asia Foundation	6,475			6,475
Atherton Foundation		5,000		5,000
Australia University	1,273		41	1,232
Bishop Trust		2,000		2,000
Cooke Foundation		1,000		1,000
Dai Ho Chun	3,240	1,357	1,000	3,597
Ford Foundation	76,052	52,912	77,118	51,846
Ford/KIRBS/IDRC	3,346			3,346
Hewlett Foundation		210,000		210,000
IDRC	24,436	15,624	41,160	(1,100)
Int'l Fed. of Institutes		50,000	15,274	34,726
Int'l Svc. for Nat'l Agr. Res.		90,000	44,862	45,138
Int'l Union for Conservation of Nature		12,080		12,080
Khon Kaen Univ. Thailand		157,740	49,072	108,668
Korea Research Foundation		11,800	7,227	4,573
Korea Trader's Association		62,250	9,216	53,034

CENTER FOR CULTURAL AND TECHNICAL INTERCHANGE BETWEEN EAST AND WEST, INC.

SCHEDULE OF CHANGES IN RESTRICTED OPERATING GIFTS, GRANTS
 AND CONTRACTS FUND BALANCES
 FOR THE YEAR ENDED SEPTEMBER 30, 1983

	BALANCE OCTOBER 1, 1982	ADDITIONS	EXPENDITURES AND DELETIONS	BALANCE SEPTEMBER 30, 1983
National Geographic Society		\$ 10,100	\$ 2,345	\$ 7,755
Pacific Resources, Inc.		25,000	25,000	
Rockefeller Foundation	\$ 25,000		25,000	
Social Welfare and Development Center	1,676			1,676
Spencer Foundation		12,569		12,569
Tokyo Electric Power Co.		10,000	184	9,816
United Nations	31,373	26,000	34,916	22,457
University of Hawaii Fdn.		10,000	1,849	8,151
University of New Hampshire		10,000	10,000	
Washington State University	1,914			1,914
Westinghouse	2,358		2,358	
World Fertility Survey	1,835		1,835	
World Health Organization		15,000	9,086	5,914
Miscellaneous private donors	26,415	38,085	23,464	41,036
Total private sector	<u>205,393</u>	<u>862,017</u>	<u>400,070</u>	<u>667,340</u>
TOTAL	<u>\$1,587,991</u>	<u>\$2,201,473</u>	<u>\$2,166,281</u>	<u>\$1,623,183</u>

CENTER FOR CULTURAL AND TECHNICAL INTERCHANGE BETWEEN EAST AND WEST, INC.

SCHEDULE OF CHANGES IN RESTRICTED OPERATING GIFTS, GRANTS
AND CONTRACTS FUND BALANCES
FOR THE YEAR ENDED SEPTEMBER 30, 1982

	BALANCE OCTOBER 1, 1981	ADDITIONS	EXPENDITURES AND DELETIONS	BALANCE SEPTEMBER 30, 1982
PUBLIC SECTOR:				
American Samoa	\$ 1,740	\$ 2,000	\$ 3,322	\$ 418
Australia		114,815	17,842	96,973
Federated States of Micronesia		2,000	16	1,984
Fiji Islands	11,192	5,000	12,483	3,709
Hawaii	96,060		78,419	17,641
Japan	49,040	70,000	45,437	73,603
Republic of Kiribati		4,000	453	3,547
Tonga Government		4,000	56	3,944
United States	<u>1,133,573</u>	<u>1,031,037</u>	<u>983,831</u>	<u>1,180,779</u>
Total public sector	<u>1,291,605</u>	<u>1,232,852</u>	<u>1,141,859</u>	<u>1,382,598</u>
PRIVATE SECTOR:				
Asia Foundation	7,000		525	6,475
Australia University	1,273			1,273
Dai Ho Chun	2,720	1,320	800	3,240
Ford Foundation	86,417	22,494	32,859	76,052
Ford/KIRBS/IDRC	9,894		6,548	3,346
Ford/IDRC		41,168	16,732	24,436
Kaimuki Lions Club	100		100	
Kettering Foundation	12,000		12,000	
Participants	1,317		1,317	
Rockefeller Foundation		25,000		25,000
Social Welfare and Development Center	1,961		285	1,676
United Nations	30,571	37,120	36,318	31,373
Washington State University	2,457		543	1,914
Westinghouse		5,925	3,567	2,358
World Bank		19,998	19,998	
World Fertility Survey	18,779		16,944	1,835
Miscellaneous private donors	<u>5,113</u>	<u>32,835</u>	<u>11,533</u>	<u>26,415</u>
Total private sector	<u>179,602</u>	<u>185,860</u>	<u>160,069</u>	<u>205,393</u>
TOTAL	<u>\$1,471,207</u>	<u>\$1,418,712</u>	<u>\$1,301,928</u>	<u>\$1,587,991</u>



Annual report

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