

Index to Volume XXI

Author Index

- ADEGOKE, OLUWAFEYISOLA S.:
Pogonophora from the Northeastern Pacific: First Records from the Gulf of Tehuantepec, Mexico, 188-192
Notes on the Ecology of the Pogonophoran Genus *Galathealinum* Kirkegaard, 1956, 558-561
- ALVARIÑO, ANGELES:
A New Siphonophora, *Vogtia kuruae* n. sp., 236-240
Bathymetric Distribution of Chaetognatha, Siphonophorae, Medusae, and Ctenophorae off San Diego, California, 474-485
- ARNOLD, B. C.:
A Hitherto Unrecorded Midge Gall of *Myrsine australis* (A. Rich.) Allan, 115-118
- BOWMAN, THOMAS E.:
The Planktonic Shrimp, *Lucifer chacei* sp. nov., (Sergestidae: Luciferinae), the Pacific Twin of the Atlantic *Lucifer faxoni*, 266-271
- BOYD, CARL M.:
The Benthic and Pelagic Habitats of the Red Crab, *Pleuroncodes planipes*, 394-403
- BREESE, PAUL:
see Hunsaker and Breese
- BRUSKA, GARY J.:
The Ecology of Pelagic Amphipoda
I. Species Accounts, Vertical Zonation and Migration of Amphipoda from the Waters off Southern California, 382-393
II. Observations on the Reproductive Cycles of Several Pelagic Amphipods from the Waters off Southern California, 449-456
- BURCH, J. B., and R. NATARAJAN:
Chromosomes of Some Opisthobranchiate Mollusks from Eniwetok Atoll, Western Pacific, 252-259
- BURCH, JOHN Q., and ROSE L. BURCH:
The Family Olividae, 503-522
- BURCH, ROSE L.:
see Burch and Burch
- CAMPBELL, RICHARD D.:
Monobrachium parasitum, a One-Tentacled Hydroid, Collected at Vancouver Island, 431
- CHAMBERLAIN, THEODORE K.:
see Stearns and Chamberlain
- COSTLOW, JOHN D., JR., and ELDA FAGETTI:
The Larval Development of the Crab, *Cyclograpsus cinereus* Dana, under Laboratory Conditions, 166-177
- ELDRIDGE, L. G.:
Record of a Lancelet from Hawaii, 564
- FAGETTI, ELDA:
see Costlow and Fagetti
- FELLOWS, DAVID P., and A. EARL MURCHISON:
A Noninjurious Attack by a Small Shark, 150-151
- FURUMOTO, AUGUSTINE S.:
A Study of the Source Mechanism of the Alaska Earthquake and Tsunami of March 27, 1964
Part II: Analysis of Rayleigh Wave, 310-316
- GOODING, REGINALD M., and MAGNUSON, JOHN J.:
Ecological Significance of a Drifting Object to Pelagic Fishes, 486-497
- HAMAMOTO, SUSAN T.:
see Hohl and Hamamoto
- HINES, JUDITH, and RON KENNY:
The Growth of *Arachnoides placenta* (L.) (Echinoidea), 230-235
- HOHL, HANS R., and SUSAN T. HAMAMOTO:
Reversal of Ethionine Inhibition by Methionine during Slime Mold Development, 534-538
- HOLDEN, JOHN C.:
Late Cenozoic Ostracodes from the Drowned Terraces in the Hawaiian Islands, 1-50
- HUNSAKER, DON, and PAUL BREESE:
Herpetofauna of the Hawaiian Islands, 423-428
- JERDE, CHARLES W.:
A Comparison of Euphausiid Shrimp Collections Made with a Micronekton Net and a One-Meter Plankton Net, 178-181
- JOHNSON, CHARLES G.:
see Krivoy, Johnson, and Koyanagi
- KENNY, RON:
see Hines and Kenny
- KNIGHT, MARGARET D.:
The Larval Development of the Sand Crab *Emerita rathbunae* Schmitt (Decapoda, Hippidae), 58-76
- KNUDSEN, JENS W.:
Trapezia and *Tetralia* (Decapoda, Brachyura, Xanthidae) as Obligate Ectoparasites of Pocilloporid and Acroporid Corals, 51-57
- KOMAKI YUZO:
On the Surface Swarming of Euphausiid Crustaceans, 433-448
- KOYANAGI, ROBERT Y.:
see Krivoy, Johnson, and Koyanagi
- KREJSA, RICHARD J.:
The Systematics of the Prickly Sculpin, *Cottus asper* Richardson, a Polytypic Species
Part I. Synonymy, Nomenclatural History, and Distribution, 241-251

- Part II. Studies on the Life History, with Especial Reference to Migration, 414-422
- KRIVOV, HAROLD L., CHARLES G. JOHNSON, and ROBERT Y. KOYANAGI:
An Unusual Example of Pseudoseisms Resulting from Military Exercises, 119-128
- LANZING, W. J. R.:
A possible Relation between the Occurrence of a Dendritic Organ and the Distribution of the Plotosidae (Cypriniformes), 498-502
- LITTLE, GEORGIANDRA:
Chromatophore Responses in Relation to the Photoperiod and Background Color in the Hawaiian Ghost Crab, *Ocyropsis ceratophthalma* (Pallas), 77-84
- MAGNUSON, JOHN J.:
see Gooding and Magnuson
- MALAHOFF, ALEXANDER:
Gravity and Geological Studies of an Ultramafic Mass in New Zealand, 129-149
- MUELLER-DOMBOIS, D., and C. H. LAMOUREUX:
Soil-Vegetation Relationships in Hawaiian Kipukas, 286-299
- MURCHISON, A. EARL:
see Fellows and Murchison
- NATARAJAN, R.:
see Burch and Natarajan
- NELSON, GARETH J.:
Branchial Muscles in Representatives of Five Eel Families, 348-363
Notes on the Systematic Status of the Eels *Neeschelys* and *Myroconger*, 562-563
- OSBORNE, LYNETTE D.:
Comparative Decay Resistance of Twenty-five Fijian Timber Species in Accelerated Laboratory Tests, 539-549
- PARARAS-CARAYANNIS, GEORGE:
A Study of the Source Mechanism of the Alaska Earthquake and Tsunami of March 27, 1964. Part 1. Water Waves, 301-310
- PROVENZANO, ANTHONY J., JR.:
The Zoeal Stages and Glaucothoe of the Tropical Eastern Pacific Hermit Crab *Trizopagurus magnificus* (Bouvier, 1898) (Decapoda; Diogenidae), Reared in the Laboratory, 457-473
- REHDER, HARALD A.:
A New Genus and Two New Species in the Families Volutidae and Turbinellidae (Mollusca: Gastropoda) from the Western Pacific, 182-187
- ROGER, CLAUDE:
Note on the Distribution of *Euphausia eximia* and *E. gibboides* in the Equatorial Pacific, 429-430
- ROGERS, TERENCE A.:
see Sather and Rogers
- ROSENBLATT, RICHARD H.:
The Osteology of the Congrid Eel *Gorgasia punctata* and the Relationships of the Heterocongrinae, 91-97
- ST. JOHN, HAROLD:
Revision of the Genus *Pandanus* Stickman
Part 21. The *Pandanus monticola* Group in Queensland, Australia, 272-281
Part 22. A new Species (Section *Hombromia*) from New Caledonia, 282-285
Part 23. Three Australian Species of *Pandanus*, 523-530
Part 24. *Seychellea*, a New Section from the Seychelles Islands, 531-532
Part 25. *Pandanus tectorius* var. *sinensis* Warburg, 533
- SALMON, MICHAEL:
Acoustical Behavior of the Menpachi, *Myripristis berndti*, in Hawaii, 364-381
- SATHER, BRYANT T.:
Studies in the Calcium and Phosphorus Metabolism of the Crab, *Podophthalmus vigil* (Fabricius), 193-209
- SATHER, BRYANT T., and TERENCE A. ROGERS:
Some Inorganic Constituents of the Muscles and Blood of the Oceanic Skipjack, *Katsuwonus pelamis*, 404-413
- SCHWAB, ROBERT G.:
Overt Responses of *Polychoerus carmelensis* (Turbellaria: Acoela) to Abrupt Changes in Ambient Water Temperature, 85-90
- STEARNS, HAROLD T., and THEODORE K. CHAMBERLAIN:
Deep Cores of Oahu, Hawaii and Their Bearing on the Geologic History of the Central Pacific Basin, 153-165
- STEELE, CAROL WRIGHT:
Fungus Populations in Marine Waters and Coastal Sands of the Hawaiian, Line, and Phoenix Islands, 317-331
- STONE, BENJAMIN C.:
The Flora of Romonum Island, Truk Lagoon, Caroline Islands, 98-114
Notes on the Hawaiian Flora, 550-557
- STRASBURG, DONALD W.:
Observations on the Biology of the Lousefish, *Phtheiroichthys lineatus* (Menziés), 260-265
- SWARTZ, L. G.:
Distribution and Movements of Birds in the Bering and Chukchi Seas, 332-347
- UNNITHAN, R. VISWANATHAN:
On Some Gastrocotyline (Monogenoidean) Parasites of Indian Clupeoid Fishes, Including Three New Genera, 210-229

Subject Index

- acoustical behavior of *Myripristis berndti*, 364-381
- Alaska earthquake and tsunami of March 27, 1964, source mechanism of, 301-316
Rayleigh wave and analysis of, 311-316
water waves, 301-310
- Amphipoda from southern California, species accounts, vertical zonation, and migration of, 382-393
reproductive cycles of, 449-456
- Anguilloidei, branchial muscles in, 348-363
- Arachnoides placenta*, growth of, 230-235
- Australia, three *Pandanus* species in, 523-530
- Benthovoluta gracilior* n. sp., 185-186
- Bering Sea, birds in, 332-347
- birds in the Bering and Chukchi seas, distribution and movements of, 323-347
- branchial muscles in five eel families, 348-363
- calcium and phosphorus metabolism of *Podophthal-mus vigil*, 193-209
- Cenozoic ostracodes from the Hawaiian Islands, 1-50
- Central Pacific Basin, geologic history of, 153-165
- Chaetognatha, distribution of, 474-485
- chromatophore responses in Hawaiian ghost crab, 77-84
- chromosomes of opisthobranchiate mollusks from Eniwetok, 252-259
- Chukchi Sea, birds in, 332-347
- clupeoid fishes, parasites of, 210-229
- congrid eel, osteology of, 91-97
- corals, obligate parasites of, 51-57
- Cottus asper*, 241-251, 414-422
- crustaceans, euphausiid, surface swarming of, 433-448
- Ctenophorae, distribution of, 474-485
- Cyclograpsus cinereus*, larval development of under laboratory conditions, 166-177
- decay resistance of Fijian timber, 539-549
- dendritic organ, relation of to distribution of Plotosidae, 498-502
- drifting objects, ecological significance to fish, 486-497
- earthquake, *see* Alaska earthquake and tsunami
- Earthquake Information Bulletin, news note from, 565-566
- ecological significance of drifting objects to fish, 485-497
- ecology of *Galathealinum*, 558-561
- eels, branchial muscles in, 348-363
systematic status of *Neechelys* and *Myroconger*, 562-563
- Emerita rathbunae*, larval development of, 58-76
- Eniwetok, chromosomes of mollusks from, 252-259
- Epigoniichthys maldivensis* from Hawaii, 564
- ethionine, in slime mold development, 534-538
- Euphausia eximia*, distribution of, 429-430
- Euphausia gibboides*, distribution of, 429-430
- Euphausia pacifica* in Japanese waters, 433-448
- euphausiid crustaceans, surface swarming of, 433-448
- euphausiid shrimps, comparison of collection methods for, 178-181
- Fijian timber, decay resistance of, 539-549
- first records of Pogonophora from the Gulf of Tehuantepec, Mexico, 188-192
- flora of Romonum Island, Caroline Islands, 98-114
- fungi, marine, of various Pacific island groups, 317-331
- Galathealinum*, ecology of, 558-561
- Galathealinum mexicanum* n. sp., 188-192
- gastrocotyline parasites of Indian clupeoid fishes, 210-229
- geologic history of Central Pacific Basin, 153-165
- glaucothoe of hermit crab, 457-473
- Gorgasia punctata*, osteology of, 91-97
- gravity and geology of an ultramafic mass in New Zealand, 129-149
- Gulf of Tehuantepec, Pogonophora from, 188-192
- Hawaii, lancelet from, 564
- Hawaiian flora, taxonomic and nomenclatural notes on, 550-557
- Hawaiian ghost crab, chromatophore responses in, 77-84
- Hawaiian Islands, fungi in coastal waters and sands of, 317-331
herpetofauna of, 423-428
late Cenozoic ostracodes from, 1-50
- hermit crab, larval development of, 457-473
- herpetofauna of the Hawaiian Islands, 423-428
- Heterocongrinae, relationships of, 91-97
- hydroid, one-tentacled, from Vancouver Island, 431
- India, parasites of clupeoid fishes from, 210-229
- inorganic constituents in muscles and blood of oceanic skipjack, 404-413
- Katsuwonus pelamis*, inorganic constituents in, 404-413
- kipukas, Hawaiian, soil-vegetation relationships in, 286-299
- lancelet recorded from Hawaii, 564
- larval development of *Cyclograpsus cinereus*, 166-177
of *Emerita rathbunae*, 58-76
of *Trizopagurus magnificus*, 457-473
- Line Islands, fungi in coastal waters and sands of, 317-331
- lousefish, biology of, 260-265
- Lucifer chacei* n. sp., description of and comparison with *L. faxoni*, 266-271
- Lucifer faxoni*, comparison with *L. chacei* n. sp., 266-271
- marine fungi, populations in Pacific islands, 317-331
- Medusae, distribution of, 474-485
- menpachi in Hawaii, acoustical behavior of, 364-381

- methionine, in slime mold development, 534-538
 micronekton net, used in collection of euphausiid shrimps, 178-181
 midge gall of *Myrsine australis*, 115-118
 military exercises, pseudoseisms resulting from, 119-128
 mollusks, opisthobranchiate, chromosomes of, 252-259
Monobranchium parasitum from Vancouver Island, 431
 Monogenoidea parasitic on Indian clupeoid fishes, 210-229
 muscles, branchial, in five eel families, 348-363
Myripristis bernardi, acoustical behavior of, 364-381
Myroconger, systematic status of, 562-563
Myrsine australis, midge gall of, 115-118
- Neenchelys*, systematic status of, 562-563
 New Caledonia, new species of *Pandanus* from, 282-285
 new genera of gastrocotyline parasites, 210-229
 new genus of Volutidae, 182-183
 new species of gastrocotyline parasites, 210-229
 of *Pandanus*, 279-281, 282-285, 527
 of planktonic shrimp, 266-271
 of Pogonophora, 188-192
 of Siphonophora, 236-241
 of Turbinellidae, 185-186
 of Volutidae, 182-183
 New Zealand, ultramafic mass in, 129-149
 news note, from Earthquake Information Bulletin, 565-566
 northeastern Pacific, Pogonophora from, 188-192
- Oahu, deep cores of and their bearing on geologic history, 153-165
 Olividae, 503-522
 opisthobranchiate mollusks, chromosomes of, 252-259
 osteology of congrid eel, 91-97
 ostracodes, Cenozoic, from Hawaii, 1-50
- Pandanus*, of Australia, 523-530
 from New Caledonia, 282-285
 in Queensland, 272-281
 from Seychelles Islands, 531-532
tectorius var. *sinensis*, 533
Pandanus, revision of, Part 21, 272-281
 Part 22, 282-285
 Part 23, 523-530
 Part 24, 531-532
 Part 25, 533
 pelagic Amphipoda, ecology of, 382-393
 reproductive cycles of, 449-456
 pelagic fish, ecology of, 486-497
 Phoenix Islands, fungi in coastal waters and sands of, 317-331
 phosphorus and calcium metabolism of *Podophthalmus vigil*, 193-209
 photoperiod and background color, chromatophore responses to, 77-84
Phtheichthys lineatus, biology of, 260-265
 plankton net, one-meter, used in collection of euphausiid shrimps, 178-181
Pleuroncodes planipes, habitats of, 394-403
 Plotosidae, distribution of, 498-502
Podophthalmus vigil, calcium and phosphorus metabolism of, 193-209
 Pogonophora from the northeastern Pacific, 188-192
Polychoerus carmelensis, responses to changes in water temperature, 85-90
 prickly sculpin, synonymy, nomenclatural history, and distribution of, 241-251
 life history and migration of, 414-422
 pseudoseisms resulting from military exercises, 119-128
- Queensland, *Pandanus monticola* in, 272-281
 Rayleigh wave, in study of Alaska earthquake, 311-316
 red crab, benthic and pelagic habitats of, 394-403
 reproductive cycles of pelagic amphipods, 449-456
 Romonum Island, flora of, 98-114
 sand crab, larval development of, 58-76
 Seychelles Islands, new section of *Pandanus* from, 531-533
 shark, attack by, 150-151
 shells of family Olividae, 503-522
 shrimps, euphausiid, collection methods for, 178-181
Sigaluta n. gen., 182
pratensis n. sp., 182-183
 Siphonophora, new species of, 236-240
 Siphonophorae, distribution of, 474-485
 skipjack, constituents in muscles and blood of, 404-413
 slime molds, effect of ethionine and methionine on development of, 534-538
 soil-vegetation relationships in Hawaiian kipukas, 286-299
 southern California, pelagic Amphipoda from, 382-393, 449-456
 surface swarming of euphausiid crustaceans, 433-448
- Terralia*, as parasite of corals, 51-57
 tide stations, new, in Chile, 565-566
 timber, Fijian, decay resistance of twenty-five species of, 539-549
Trapezia, as parasite of corals, 51-57
Trizopagurus magnificus, larval development of, 457-473
 tsunami, see Alaska earthquake and tsunami
 Tsunami Warning System, 565-566
 Turbinellidae, new species in, 183-186
- ultramafic mass in New Zealand, 129-149
 Vancouver Island, one-tentacled hydroid from, 431
Vogtia kuruae n. sp., 236-240
 Volutidae, new genus and new species in, 182-183
 water temperature, responses of *Polychoerus* to changes in, 85-90
 water waves associated with Alaska earthquake, 301-310
 zoal stages of hermit crab, 457-473