

Index to Volume XVII

Author Index

- BANNER, A. H.:
On Malayan Shores, (review), 374
- BARLOW, GEORGE W.:
Species Structure of the Gobiid Fish *Gillichthys mirabilis* from Coastal Sloughs of the Eastern Pacific, 47-72
- BONHAM, KELSHAW, and EDWARD E. HELD:
Ecological Observations on the Sea Cucumbers *Holothuria atra* and *H. leucospilota* at Rongelap Atoll, Marshall Islands, 305-314
- BOWERS, DARL E.:
Field Identification of Five Species of Californian Beach Hoppers (Crustacea: Amphipoda), 315-320
- CARLQUIST, SHERWIN, and MARTIN L. GRANT:
Studies in *Fitchia* (Compositae): Novelties from the Society Islands; Anatomical Studies, 282-298
- CHANG, JEN-HU:
Role of Climatology in the Hawaiian Sugar-Cane Industry: An Example of Applied Agricultural Climatology in the Tropics, 379-397
- CHUANG, S. H.:
On Malayan Shores, (review of), 374-375
- DOTY, MAXWELL S.:
Gibsmithia hawaiiensis, gen. n. et sp. n., 458-465
- EMERY, K. O.:
Aerial Study of Hawaiian Wave Patterns, 255-260
- GOSLINE, WILLIAM A.:
Notes on the Osteology and Systematic Position of *Hypoptrychus dybowskii* Steindachner and Other Elongate Perciform Fishes, 90-101
- HIDA, THOMAS S., and ROBERT A. MORRIS:
Preliminary Report on the Marquesan Sardine, *Harengula vittata*, in Hawaii, 431-437
- HOBSON, EDMUND S.:
Feeding Behavior in Three Species of Sharks, 171-194
- HOYT, CHARLES P.:
Investigations of Rhinoceros Beetles in West Africa, 444-451
- HSIAO, SIDNEY C., WALTER K. FUJII, and HELEN H. FINE:
Simple Device for Making Successive Photomicrographic Records of Large Groups of Developing Organisms, 321-328
- INMAN, D. L., W. R. GAYMAN, and D. C. COX:
Littoral Sedimentary Processes on Kauai, a Subtropical High Island, 106-130
- LAMOUREUX, CHARLES H.:
Additional Plants from the Midway Islands, 374
- LEWIS, ALAN G.:
Life History of the Caligid Copepod *Lepeophtheirus dissimilatus* Wilson, 1905 (Crustacea: Caligidae), 195-242
- MARTIN, EDGAR J.:
Toxicity of Dialyzed Extracts of Some California Anemones (Coelenterata), 302-304
- MATTHEWS, DONALD C.:
Hawaiian Records of Folliculinids (Protozoa) from Submerged Wood, 438-443
- NIZAMUDDIN, MOHAMMED:
Studies on the Green Alga, *Udotea indica* A. & E. S. Gepp, 1911, 243-245
- OKUTANI, TAKASHI:
Preliminary Notes on Molluscan Assemblages of the Submarine Banks Around the Izu Islands, 73-89
- PARAMONOV, S. J.:
Lord Howe Island, A Riddle of the Pacific, Part III, 361-373
- PEMBERTON, C. E.:
Important Pacific Insect Pests of Sugar Cane, 251-252
- PEQUEGNAT, WILLIS E.:
Population Dynamics in a Sublittoral Epifauna, 424-430
- PLUCKNETT, D. L., J. C. MOOMAW, and C. H. LAMOUREUX:
Root Development in Aluminous Hawaiian Soils, 398-406
- ST. JOHN, HAROLD:
Revision of the Genus *Pandanus* Stickman, Part 14. New Species from Malaya and Singapore, 3-46
Part 15. Malayan Species Described by H. N. Ridley, 329-360
Part 16. Species Discovered in Thailand and Vietnam, 466-492
- SCHAFER, RITA D.:
Effects of Pollution on the Amino Acid Content of *Mytilus edulis*, 246-250
- SCHWABL, MATHILDE:
Solenogaster Mollusks from Southern California, 261-281
- SOBOLEV, V. S.:
Characteristic Features of the Volcanism of the Siberian Platform, 452-457

STONE, BENJAMIN C.:

Studies in the Hawaiian Rutaceae, IV. New and Critical Species of *Pelea* A. Gray, 407-420

TESTER, ALBERT:

The Role of Olfaction in Shark Predation, 145-170

TOMLINSON, JACK T.:

Lithoglyptes hirsutus (Cirripedia: Acrothoracica), A New Burrowing Barnacle from Hawaii, 299-301

WILBUR, ROBERT L.:

A Prior Name for the Hawaiian *Gouldia terminalis* (Rubiaceae), 421-423

WINKLER, LINDSAY R., and E. YALE DAWSON:

Observations and Experiments on the Food Habits of California Sea Hares of the Genus *Aplysia*, 102-105

YOSHIDA, TADAO, TAKEO SAWADA, and

MASAHIRO HIGAKI:

Sargassum Vegetation Growing in the Sea around Tsuyasaki, North Kyushu, Japan, 135-144

Subject Index

- adoption of the metric system and Celsius scale, 131
 aerial study of wave patterns, 255-260
 aluminous Hawaiian soils, root development in, 398-406
 amino acid content of *Mytilus edulis*, effects of pollution on, 246-250
 amphipoda, Californian, identification of, 315-320
 anemones, toxicity of, 302-304
Aplysia, food habits of, 102-105
 applied agricultural climatology in the tropics, 379-397
- California anemones, toxicity of, 302-304
 beach hoppers, identification of, 315-320
 sea hares of the genus *Aplysia*, 102-105
 solenogaster mollusks from, 261-281
- Celsius scale, adoption of, 131
 characteristic features of the volcanism of the Siberian platform, 452-457
 cirriped, new species of, from Hawaii, 299-301
 climatology in Hawaiian sugar-cane industry, 379-397
 copepod, caligid, life history of, 195-242
- device for making successive photomicrographic records of developing organisms, 321-328
- eastern Pacific, species structure of *Gillichthys mirabilis* from, 47-72
 effects of pollution on the amino acid content of *Mytilus edulis*, 246-250
- feeding behavior in three species of sharks, 171-194
Fitchia, studies in, 282-298
 folliculinids from submerged wood, 438-443
 food habits of California sea hares of the genus *Aplysia*, 102-105
- Gibsmithia hawaiiensis*, gen. n. et sp. n., 458-465
Gillichthys mirabilis, species structure of, 47-72
Gouldia terminalis, a prior name for, 421-423
- Harengula vittata* in Hawaii, 431-437
- Hawaii, new species of burrowing barnacle from, 299-301
 records of folliculinids from submerged wood, 438-443
 Rutaceae, studies in, 407-420
 wave patterns, aerial study of, 255-260
- Holothuria atra*, 305-314
Holothuria leucospilota, 305-314
Hoploptychus dybowskii, osteology and systematic position of, 90-101
- identification of Californian beach hoppers, 315-320
 important Pacific insect pests of sugar cane, 251-252
 insect pests of sugar cane, 251-252
 investigations of rhinoceros beetles in West Africa, 444-451
 Izu Islands, molluscan assemblages of the submarine banks around, 72-89
- Japan, *Sargassum* vegetation in the sea around, 135-144
- Kauai, littoral sedimentary processes on, 106-130
- Lepeophtheirus dissimilatus*, life history of, 195-242
 life history of *Lepeophtheirus dissimilatus*, 195-242
Lithoglyptes hirsutus n. sp., 299-301
 littoral sedimentary processes on Kauai, 106-130
 Lord Howe Island, Part III, 361-373
- Malaya, new species of *Pandanus* from, 3-46
 Malayan species of *Pandanus* described by H. N. Ridley, 329-360
 Marquesan sardine in Hawaii, 431-437
 Marshall Islands, sea cucumbers at Rongelap Atoll, 305-314
 metric system, adoption of, 131
 Midway Islands, additional plants from, 374
 molluscan assemblages of submarine banks around the Izu Islands, 73-89
 mollusks, solenogaster, from southern California, 261-281

- Mytilus edulis*, effects of pollution on the amino acid content of, 246-250
- Notes:
Additional Plants from the Midway Islands, 374
Adoption of the Metric System and Celsius Scale, 131
On Malayan Shores: A Review, 374
- olfaction, role of, in shark predation, 145-170
osteology and systematic position of elongate perciform fishes, 90-101
- Pacific insect pests of sugar cane, 251-252
Pandanus, Malayan species described by H. N. Ridley, 329-360
new species from Malaya and Singapore, 3-46
revision of genus, 3-46; 329-360; 466-492
species discovered in Thailand and Vietnam, 466-492
- Pelea*, new and critical species of, 407-420
perciform fishes, osteology and systematic position of, 90-101
photomicrographic records, device for, 321-328
pollution, effects of, upon amino acid content of *Mytilus edulis*, 246-250
population dynamics in a sublittoral epifauna, 424-430
predation by sharks, role of olfaction in, 145-170
prior name for the Hawaiian *Gouldia terminalis*, 421-423
- rhinoceros beetles in West Africa, 444-451
Rongelap atoll, sea cucumbers at, 305-314
- root development in aluminous Hawaiian soils, 398-406
- Sargassum* vegetation around Tsuyazaki, Japan, 135-144
sea cucumbers at Rongelap Atoll, 305-314
sedimentary processes on Kauai, 106-131
sharks, feeding behavior in three species of, 171-194
role of olfaction in predation, 145-170
Siberian platform, volcanism of, 452-457
Singapore, new species of *Pandanus* from, 3-46
Society Islands, *Fitchia* of, 282-298
soils, aluminous, and root development, 398-406
solenogaster mollusks from southern California, 261-281
studies on the green alga, *Udotea indica*, 243-245
sublittoral epifauna, population dynamics in, 424-430
submarine banks around Izu Islands, molluscan assemblages of, 73-89
sugar-cane industry, role of climatology in, 379-397
sugar cane, Pacific insect pests of, 251-252
- Thailand, *Pandanus* species from, 466-492
toxicity of California anemones, 302-304
- Udotea indica*, 243-245
- Vietnam, *Pandanus* species from, 466-492
volcanism of the Siberian platform, features of, 452-457
- wave patterns, aerial study of, 255-260
West Africa, investigations of rhinoceros beetles in, 444-451