

Index

- Acacia baileyana*, 91
decurrens, 89, 90, 91
melanoxylon, 87, 89
podalyriaefoliae, 91
verniciflua, 89
Acer albopurpureum, 288, 289, 290
buergerianum var. *formosanum*, 288, 290
caudatifolium, 290
caudatum, 290
duplicato-serrulatum, 293
hypoleucum, 288, 289, 290
itoanum, 288, 289
johndewardianum, 293
kawakamii, 288, 290, 291
 var. *taitonmontanum*, 288, 291
lanceolatum, 288
litseaefolium, 288, 289
matsumurae, var. *formosanum*, 293
morrisonense, 290, 291
oblongum, 288, 289, 290
 var. *itoanum*, 289
 var. *microcarpum*, 289
oliverianum var. *microcarpum*, 292
 var. *nakaharii*, 292
 var. *trilobatum*, 291
ornatum var. *matsumurae*, 293
ovatifolium, 290, 291
palmatum var. *pubescens*, 288, 293
pubescens, 288, 291
serrulatum, 288, 292
taiton-montanum, 291
taiwanense, 293
trifidum var. *formosanum*, 290
tutcheri var. *shimadai*, 288, 291
Acizzia, 87
Acmena floribunda, 122
Aedes aegypti, 166, 167, 187
albolineatus, 167, 184, 187
albopictus, 166, 176
amesii, 158
arboriculus, 167, 185
aurotaeniatus, 166, 169
baisasi, 163
bambusiculus, 167, 186
boharti, 167, 185
brayi, 162
camposanus, 262
carmeni, 151, 153, 154
desmotes, 166, 170
eupoclamus, 262
fumidus, 160
gardnerii, 166, 172
hoogstraali, 167, 187
kabaenensis, 163
kochi, 151, 152, 154
laffooni, 167, 186
longirostris, 163
mediopunctatus var. *perplexus*, 167, 182
meronephada, 166, 174
paullusi, 166, 178
quasiscutellaris, 151, 152, 153, 154
scapularis, 262
scutellaris, 154, 180
Agathiphaga, 18–28
 queenslandensis, 23–28
 vitiensis, 18–23, 26–28
Aedes Mosquitoes of the Philippine Islands. II. Subgenera *Skusea*, *Christophersomyia*, *Geoskusea*, *Rhinoskusea*, and *Stegomyia*, 157–189
Agathis, 17
 australis, 17
 palmerstoni, 28
 robusta, 23, 27
 vitiensis, 17
 AKAMINE, ERNEST K.:
 Germination of Seed of Koa Haole (*Leucaena glauca*), 51–52
Albizia lophantha, 89
Alectrion, 303
 californiana, 306
 catallus, 312
 cerritensis, 308
 cooperi, 309
 cooperi var. *woodwardi*, 309
 fossata, 304
 insculptus, 312
 insculptus eupleura, 312
 mendica cooperi, 309
 mendicus, 309
 obsoleta, 314
 pagoda, 310
 perpinguis, 305
 tegula, 307
 versicolor, 310
 algae, iodine in, 318
 species tested for iodine, 319–323
 Allometric Growth in the Striped Marlin, *Makaira mitsukurii*, from New Zealand, 53–58
Anomalopsylla, 86, 124
 insignita, 85, 124
Anopheles, 151
 farauti, 151, 152, 154
Alseuosmia macrophylla, 107
Anthomastus fisheri, 126
 granulosus, 127
 steenstrupi, 127
Arcularia, 303
 major, 303
 tegula, 307
 tiarula, 307
Argyropelecus, 13

- Aristotelia serrata*, 100
Armigeres breinli, 151, 153, 154
Arytaina, 87, 91
 robusta, 96
Asplenium nidus, 3
Atmetocranium, 86, 123
 meyersi, 86, 123

BARNARD, J. LAURENS:

New Species of Amphipod from Lower California,
 295-299

Bathytroctes rostratus, 14

BAYER, FREDERICK M.:

Descriptions and Redescriptions of Hawaiian Octo-
 corals Collected by the "Albatross," 126-136

Boerhavia diffusa, 33

Boronia sp., 97

Brachyglottis repandra, 109

Buccinum

arcularia, 303

decussatum, 310

elegans, 304

fossatum, 304

papillosum, 303

tiarula, 307

Bulbophyllum, 3

Gibsonianum, 3

guamense, 4

micronesiacum, 3

nuruuanum, 3

urceolatum, 4

Camphusia, 30, 31

glabra, 30

glabra kauaiensis, 30

Carmichaelia, 95

CARNAHAN, J. A.:

Inter-tidal Zonation at Rangitoto Island, New Zea-
 land, 35-46

Cassinia leptophylla, 107

Cassia, 303

Chapmania sparmanella, 26

Christophersomyia, 162

Clavularia corrugata, 131

expansa, 131

grandiflora, 129

ornata, 131

spiculicola, 131

Clanthus puniceus, 89

Clinocottus recalvus, 256-258

Clupea pallasii, 62

Ctenarytaina, 86, 96

clavata, 96

distincta, 96

eucalypti, 97

fuchsiae, 96

lulla, 96

pollicaris, 96

thysanura, 97

Culex annulirostris, 151, 152, 153, 154

impatibilis, 187

Dacrydium bidwillii, 120

biforme, 120, 121

DEMOND, JOAN:

Nassariidae of the West Coast of North America,
 300-317

Dendrobium, 5

Adamsii, 5

carolinense, 6

coerulescens, 7

implicatum, 6, 7

lapeyrousioides, 7

nanarauticum, 6

ponapense, 7

violaceo-miniatum, 7

patenti-filiforme, 6

pruinatum, 6, 7

Descriptions and Redescriptions of the Hawaiian
 Octocorals Collected by the U. S. Fish Commis-
 sion Steamer "Albatross." (1. Alcyonacea, Stoloni-
 fera, and Telestacea.), 126-136

Dew as a Source of Plant Moisture, 259-261

Diplocaulobium, 7

carolinense, 7

elongaticolle, 8

flavicolle, 9

nitidissimum, 8

Discaria toumatou, 98, 99, 103

Dodonaea viscosa, 87, 93

Dracophyllum urvilleanum var. *montanum*, 118

DUMBLETON, L. J.:

A New Genus of Seed-infesting Micropterygid
 Moths, 17-29

earthquake, Kona, 269

damage, 273-281

epicenter, 284

instrumental data, 270

intensity, 285

tsunami, 274

Echinochloa colona, 151

Etione, 303

Eleusine indica, 151

Engraulis australis, 68

mordax, 62, 68

Epinnula, 193, 195, 198, 202

magistralis, 193, 198-200

Eriocrania purpurella, 26, 27

sangi, 26

Eriopisa, 295

chilkensis, 297

elongata, 297

garthi, 295

philippensis, 297

seurati, 297

Eriopisella, 297

capensis, 297

pusilla, 297

sechellensis, 297

Eucalyptus bicostata, 97

globulus, 97

Euphalerus nidifex, 87, 93

Fimbristylis atollensis, 145-150

cymosa, 149, 150

Galeodes, 303

Geissanthera, 9

Hosokawae, 9

papuana, 9, 10

Gempylus, 193, 195, 202

serpens, 197, 201-203

Geniostoma ligustrifolium, 98

- Genus *Acer* (Maples) in Formosa and the Liukiu [Ryukyu] Islands, 288-294
Geoskusea, 162
 Germination of Seed of Koa Haole (*Leucaena glauca*), 51-52
 GILL, WILLIAM R., and G. D. SHERMAN:
 Gray Hydromorphic Soils of Hawaiian Islands, 137-144
Gonostoma, 13
 GOSLINE, WILLIAM A.:
 A New Atherinid Fish of the Genus *Iso* from the Hawaiian Islands, 47-50
Gouania Hillebrandii, 255
 GRIMM, MADELON R.:
 Iodine Content of Some Marine Algae, 318-323
 growth patterns of fish, 54
Gyropsylla, 86, 123
zealandica, 124

Hakea acicularis, 92
dactyloides, 92
 HANEDA, YATA:
 Some Luminous Fishes of the Genera *Yarrella* and *Polyipnus*, 13-16
 HARTMAN, OLGA:
 On the Identity of *Stylarioides inflata*, 71-74
 HAWKES, ALEX D.:
 Notes on a Collection of Orchids from Ponape, Caroline Islands, 3-12
Hebe angustifolia, 119
salicifolia, 85, 99, 101, 120
 HIATT, ROBERT W., and A. L. TESTER:
 Variation in the Vertebral Number of the Anchovy, 59-70
Hibiscus tiliaceus, 7
 HULL, WILLIAM B., and KENNETH L. KNIGHT:
Aedes Mosquitoes of the Philippines. II., 157-189

 iao, 47
Ilyanassa obsoleta, 314
 Inter-tidal Zonation at Rangitoto Island, New Zealand. (Studies in Inter-tidal Zonation 4.), 35-46
 Iodine Content of Some Marine Algae, 318-323
Isodendrion, 213
Fauriei, 255
Forbesii, 218-221
bahaiense, 218, 221-224
Hillebrandii, 218, 224-226
Hosakae, 218, 226-229
lanaiense, 218, 229-232
laurifolium, 217, 232-234
longifolium, 217, 234-236
Lydgatei, 218, 236-239
maculatum, 218, 239-243
molokaiense, 218, 243-245
pyrifolium, 218, 245-247
Remyi, 218, 247-250
subsessilifolium, 218, 250-252
waianaeense, 218, 252-255
Iso flos-indicus, 49
flos-maris, 49
bahaiensis, 47-49
natalensis, 49
rhotobophilus, 49
Ipomoea pes-caprae, 33
 IWAI, TAMOTSU, and KIYOMATSU MATSUBARA:
 Studies on Japanese Gempylidae, 193-212

 JUNE, FRED C.:
 Observations on a Specimen of Bluefin Tuna, 75-76

 Kauri, seed-infesting moths of, 17-29
 KNIGHT, KENNETH L., and WILLIAM B. HULL:
Aedes Mosquitoes of the Philippines. II., 157-189
 Kona Earthquake of August 21, 1951, and Its After-shocks, 269-287

 LAIRD, MARSHALL:
 Mosquitoes of Nissan Island, 151-156
 LEOPOLD, LUNA B.:
 Dew as a Source of Plant Moisture, 259-261
Lepidocybium, 195
Leptospermum ericoides, 96
scoparium, 96
Leucaena glauca, 51
 LEVI-CASTILLO, ROBERTO:
 Redescription of *Aedes camposanus*, 262-264
Levidea lineata, 123
 LI, HUI-LIN:
 Genus *Acer* in Formosa and the Liukiu Islands, 288-294
 littoral ecology, 35-46
 luminous fish, 13

 MACDONALD, GORDON A., and CHESTER K. WENTWORTH:
 The Kona Earthquake of August 21, 1951, and Its Aftershocks, 269-287
Makaira albidia, 56
mitsukurii, 53
nigricans ampla, 54
nigricans marlina, 56
 MATSUBARA, KIYOMATSU, and TAMOTSU IWAI:
 Studies on Japanese Gempylidae, 193-212
Maurolicus, 13
Metaphalara, 86, 123
zealandica, 123
Metrosideros excelsa, 122
umbellata, 102
Microtatorchis, 9
Micropterygoidea, 17
Micropteryx ammannella, 26
aureatella, 25
calthella, 25
Mimasea, 193, 195, 200, 202
taeniosoma, 194, 197, 200-202
Mnemonica auricyanea, 23, 26, 27
Moerenhoutia, 10
constricta, 10
lamellata, 10
leucantha, 10
 Monograph of the Genus *Isodendrion* (Violaceae), 213-255
 MORRIS, ROBERT W.:
 Spawning Behavior of Cottid Fish, 256-258
 MORROW, JAMES E., JR.:
 Allometric Growth in the Striped Marlin, 53-58
 mosquitoes, 151, 157
 mud snails, 300
Müblenbeckia australis, 118

Nassa californiana, 306
cerritensis, 308
cooperi, 309
corpulenta, 314
delosi, 306

- fossata*, 304
gibbsii, 309
insculpta, 312
inastriata, 305
interstriata, 305
mendica, 308
 var. *cooperi*, 309
obsoleta, 314
pagoda, 310
perpinguis, 305
reevei, 304
tegula, 307
tiarula, 307
versicolor, 310
 var. *striatula*, 310
Nassariidae, 300
 ecology, 300
 taxonomy, 302
Nassariidae of the West Coast of North America
between Cape San Lucas, Lower California, and
Cape Flattery, Washington, 300-317
Nassarius, 303
 californianus, 304, 306
 catallus, 304, 312
 ceritensis, 304, 308
 cooperi, 309
 corpulentus, 304, 309
 dentiferus, 315
 eupleura, 312
 fossatus, 304
 insculptus, 304, 312
 lirata, 316
 mendicus, 304, 308
 mendicus cooperi, 304, 309
 mendicus indisputabilis, 316
 nodicinctus, 315
 nodiferus, 315
 noduliferus, 315
 obsoletus, 304, 314
 onchodes, 316
 pagodus, 304, 310
 perpinguis, 304, 305, 307
 tegula, 304, 307, 308
 tegula tiarula, 304, 307
 tiarulus, 307, 308
 tschudii, 315
 versicolor, 304, 310
Nealotus, 193, 195, 207
 tripes, 207-209
nehu, 59
Neopinnula, 193, 195, 202
 orientalis, 193, 194, 196, 197, 200, 201
Neopseustis, 26
New Atherinid Fish of the Genus *Iso* from the
Hawaiian Islands, 47-50
New Genus of Seed-infesting Micropterygid Moths,
17-29
New Species of Amphipod from Lower California
(Genus *Eriopisa*), 295-299
New Variety of *Pandanus* and a New Species of
Fimbristylis from the Central Pacific Islands,
145-150
Notes on a Collection of Orchids from Ponape,
Caroline Islands, 3-12
Notes on Hawaiian Species of *Scaevola* (Goodenia-
ceae). Hawaiian Plant Studies 19, 30-34
Notes on the Mosquitoes of Nissan Island, Territory
of New Guinea, 151-156
Nothofagus, 99, 119
Nothopanax, 99, 104
 anomolum, 105
 arborescens, 105
 colensoi, 105
 edgerleyi, 105
 simplex, 105
Notocheirus, 49
 hubbsi, 49
Oberonia, 10
 Hosokawae, 10
 ponapensis, 10
Observations on a Specimen of Bluefin Tuna (*Thun-
nus thynnus*) Taken in Hawaiian Waters, 75-76
Olearia, 85
 arborescens, 112
 avicenniae folia, 102, 111
 ilicifolia, 110, 112, 114
 lacunosa, 114, 115, 116
 macrodonata, 112, 113
 rani, 112
On the Identity of *Stylarioides inflata* (Treadwell)
and Its Extended Distribution (Annelida), 71-74
On the Psyllidae of New Zealand (Homoptera),
83-125
orchids, 3
Pandanus odoratissimus var. *novocaledonicus*, 145
 odoratissimus var. *novoguineensis*, 145
Papiana, 96
 distincta, 96
 lulla, 96
Parathunnus sibi, 76
Paspalum conjugatum, 151
Pauropsylla meyersi, 123
 depressa, 123
 verticis, 123
Pennisetum macrostachyum, 152
Phaius, 10
 amboinensis, 10
Photichthys argenteus, 14
Phreatia
 caroliniensis, 10
 Goodspeediana, 11
 Kanebirae, 10
 kusaiensis, 10
 ladronica, 10, 11
 pacifica, 10
 palawensis, 10
 pseudo-Thompsonii, 10
 ponapensis, 10
 Thompsonii, 10
Pittosporum, 98
 colensoi, 98
 crassifolium, 98
 eugenioides, 98
 tenuifolium, 98
Platycheirus, 110
Polyipnus, 13
 spinosus, 13
 stereope, 13
Porichthys, 13
Powellia, 97, 98
Pranesus insularum, 47
Promethichthys, 193, 195, 207
 prometheus, 194, 197, 201, 207, 209

Properties of the Gray Hydromorphic Soils of the Hawaiian Islands, 137-144

- Pseuderia*, 12
 - frutex*, 12
 - micronesiaca*, 12
- Pseudocladochonus mosaica*, 131
- versluisi*, 131
- Pseudopanax*, 104
- Psylla*, 86, 87
 - acaciae*, 87, 92, 93
 - acaciae-baileyanae*, 87, 91
 - albizziae*, 89
 - apicalis*, 87, 93
 - carmichaeliae*, 87, 94
 - carmichaeliae indistincta*, 95
 - conspicua*, 87
 - dodonaeeae*, 87, 92
 - exquisita*, 90
 - hakeae*, 91
 - jucunda*, 89
 - uncatoides*, 89

Redescription of *Aedes (Ochlerotatus) camposanus* Dyar (1918) as a Valid Species Found in the Coastal Plain of Ecuador, 262-264

- Rexea*, 193, 195, 203
- solandri*, 201, 204-207
- Rhinocola*, 96
 - aceris*, 86
 - eucalypti*, 96
 - fuchsiae*, 96
- Rhinoskusea*, 163
- Rhyacophila dorsalis*, 28
- Ruvettus*, 195

Sabatinka barbarica, 25

incongruella, 25

ST. JOHN, HAROLD:

Monograph of the Genus *Isodendrion*, 213-255

A New Variety of *Pandanus* and a New Species of *Fimbristylis* from the Central Pacific Islands, 145-150

Notes on Hawaiian Species of *Scaevola*, 30-34

- Scaevola*, 30, 31
 - coriacea*, 30
 - enantophylla*, 31
 - frutescens*, 32, 145
 - frutescens moomomiana*, 33
 - frutescens sericea*, 32
 - glabra*, 30, 31, 32
 - Gaudichaudiana*, 34
 - Helmsii*, 31
 - Kauaiensis*, 30
 - Menziesiana*, 30
 - mollis*, 33
 - mollis albiflora*, 33
 - Skottsbergii*, 30
 - tomentosa*, 31
- Schefflera*, 106
 - digitata*, 106
- Schizopyga californiana*, 306
- californica*, 306
- Semicassis*, 303
- Senecio*, 85
 - adamsii*, 108
 - rotundifolius*, 117
- Shawia paniculata*, 85, 102, 125

SHERMAN, G. DONALD, and WILLIAM R. GILL:

Gray Hydromorphic Soils of Hawaiian Islands, 137-144

- Siphonogorgia alexanderi*, 128
- collaris*, 129
- variabilis*, 129
- Skusea*, 157
- soils, gray hydromorphic, 137
- Some Luminous Fishes of the Genera *Yarrella* and *Polyipnus*, 13-16
- Sophora tetraptera*, 93
- Spawning Behavior of the Cottid Fish *Clinocottus recalvus* (Greeley), 256
- Stegomyia*, 165
- Sternoptyx*, 13
- Stolephorus purpureus*, 59
- Studies on Some Japanese Fishes of the Family *Gempylidae*, 193-212
- Stylarioides inflata*, 71-74
- dimissus*, 71

Taeniophyllum, 9

Tainarys, 86, 124

taro, 152

Telesto ambigua, 131

Telestula, 131

corrugata, 133

septentrionalis, 131

spiculicola, 131

spiculicola robusta, 133

TESTER, ALBERT L., and ROBERT W. HIATT:

Variation in the Vertebral Number of the Anchovy, 59-70

Tetragonocephala flava, 93

Thunnus orientalis, 75, 76

thyngus, 75, 76

tidal factors in littoral ecology, 40-44

Trioza, 86, 97

acuta, 107, 108

adventicia, 98, 121

alseuosmia, 106

australis, 116, 117

bifida, 102, 105

colorata, 120

compressa, 111, 112

crinita, 112, 113, 114

curta, 122

dacrydii, 120

decurvata, 118

discariae, 98, 103

doryphora, 109, 110, 112

emarginata, 99

equalis, 100

eugeniae, 122

falcata, 100

fasciata, 117

flavida, 115, 116

gourlayi, 102

hebicola, 85, 99, 101

irregularis, 104, 105, 106

latiforceps, 114, 115, 116

obfusca, 118

obscura, 118

panacis, 103, 105

parvipennis, 107

schefflericola, 106

scobina, 114, 115

styligera, 117

subacuta, 108, 111, 112

- subvexa*, 105, 110, 112
vitreoradiata, 98, 99, 105
Tripterooides nissanensis, 151, 154
 quasiornatus, 154
Triton pagodus, 310
Trophonia inflata, 71
 minuta, 71
Tropidostethops, 49
tsunami, 274
TUTHILL, L. D.:
 On the Psyllidae of New Zealand, 83-125
Variation in the Vertebral Number of the Anchovy
 (*Stolephorus purpureus*) in Hawaiian Waters,
 59-70
vertebral number in anchovies, 59
Weinmannia racemosa, 123
 sylvicola, 123
WENTWORTH, CHESTER K., and
 GORDON A. MACDONALD:
 The Kona Earthquake of August 21, 1951, and
 Its Aftershocks, 269-287
Wuchereria bancrofti, 154
Yarella, 13
 blackfordi elongata, 13
 blackfordi illustris, 13