

INDEX TO VOLUME 50

By ETHEL E. RICHARDSON

- A**
- Acanthis flammea*, 66
 hornemanni, 66
Accipiter cooperii, 55, 131, 230
Actitis hypoleucos, 20
 macularia, 118, 227
Aegolius acadicus, 233, 276
Aëronautes saxatalis, 271
Agelaius phoeniceus, 55, 78, 227
 phoeniceus arctolegus, 229
 phoeniceus caurinus, 229
 phoeniceus fortis, 78
 phoeniceus nevadensis, 78
 phoeniceus phoeniceus, 150
 phoeniceus utahensis, 78
Aimophila botterii, 106
 ruficeps, 272
 ruficeps rupicola, 271, 272
 ruficeps scottii, 272
Albatross, Black-footed, 125
 Wandering, 13
Alcedo atthis, 21
Amadon, Dean, and Parkes, Kenneth C., the winter range of the Kennicott willow warbler, 86
Ammospiza caudacuta nelsoni, 275
Amphispiza, 57, 61
 belli, 61-63, 156
 bilineata, 58, 61, 62, 63, 272
 bilineata confinis, 272
 bilineata deserticola, 272
Anas acuta, 126, 158
 carolinensis, 158
 crecca, 126
 diazi, 114
 diazi diazi, 114
 diazi novimexicana, 114
 discors, 116
 falcata, 126
 platyrhynchos, 114, 126, 165, 272
 rubripes, 148
Anderson, Anders H., and Anderson, Anne, observations on the inca dove at Tucson, Arizona, 152; notes on two nests of the beardless flycatcher near Tucson, Arizona, 163
Anser albifrons, 113
Anteys, Ada, behavior of the Gila woodpecker, ruby-crowned kinglet, and broad-tailed hummingbird, 91
Aphelocoma coerulescens, 74, 133, 161, 273
 coerulescens nevadae, 74
 coerulescens obscura, 161
 coerulescens woodhouseii, 74
Aquila chrysaëtos, 131, 159
Ardea cinerea, 17
 herodias, 17, 133
 herodias herodias, 148
 herodias hyperonca, 133
 herodias treganzai, 133
Arenaria interpres, 20, 275
Arremonops rufivirgatus, 101
Asio flammeus, 229
 otus, 131
Asyndesmus lewis, 56
Auklet, Cassin, 164
Avocet, 89, 119
Aythya affinis, 116, 158
 americana, 158
 fuligula, 126
 marila, 126
 valisineria, 116, 158
- B**
- Baldpate, 91, 158
Becard, Rose-throated, 102
Behle, William H., systematic comment on some geographically variable birds occurring in Utah, 71
Bittern, American, 148
Blackbird, Brewer, 55, 89, 90, 161, 165
 Red-winged, 55, 79, 90, 150, 151, 165, 200, 205, 227, 229
Blake, Charles H., more data on the wing flapping rates of birds, 148
Bluebird, Eastern, 217
 Mountain, 55, 216-219, 227
 Western, 51-54, 56
Bob-white, 117
Bond, R. M., returns of banded California brown pelicans, 89
Booby, Brown, 164
 Peruvian, 148
 Red-footed, 164
Booth, Ernest S., starlings in Washington state, 165
Botaurus lentiginosus, 148
Brant, Black, 93
 Eastern, 93
Branta bernicla hrota, 93
 canadensis, 98
 canadensis canadensis, 148
 canadensis minima, 157, 158
Brooks, Allan, paintings and sketches: zone-tailed hawk, 5; pied-billed grebe, 49; black-capped chickadees, 88; red-tailed hawk, 97; juvenal horned lark, *Eremophila al-*

- pestris merrilli, 130; female coppery-tailed trogon, 137; male canvas-back, *Aythya valisineria*, 162; Cooper hawk, 193; great-winged petrel, *Pterodroma macroptera*, 226; juvenal saw-whet owl, 233; Arizona woodpecker, *Dendrocopos arizonae*, 270
- Bubo virginianus*, 46
Bulbul, Brown-eared, 22
Bunting, Lark, 161
 Lazuli, 55, 81
 Snow, 129
 Varied, 106
Burrica, 79
Bush-tit, 75
Buteo albonotatus, 47, 159
 borealis, 55
 jamaicensis, 131, 135
 jamaicensis borealis, 148
 lineatus, 131
 swainsoni, 55, 131
Butorides striatus, 17
 virescens virescens, 148
Button-quail, Chinese, 18
- C
- Cairina moschata*, 114
Calamospiza melanocorys, 161
Calcarius lapponicus, 129
Calidris canutus, 275
Calypte costae, 157
Camptostoma imberbe, 163
Campylorhynchus brunneicapillus, 152
Canvasback, 116, 158
Capella, 260, 263
 gallinago, 262
 gallinago delicata, 118
Caprimulgus, 224
Caracara, Audubon, 159, 274
Cardiff, Eugene E., and Hanna, Wilson C., eastern kingbird in San Bernardino Valley, California, 46
Cardinal, 134
Carpodacus cassini, 55
 mexicanus, 55, 79
 mexicanus frontalis, 79
 mexicanus grinnelli, 79
 mexicanus solitudinis, 79
Casmerodius albus, 18
Cathartes aura, 90
Catherpes mexicanus conspersus, 83-85
 mexicanus griseus, 84, 85
 mexicanus meliphonus, 84
 mexicanus polioptilus, 84, 85
 mexicanus punctulatus, 83-85
Centurus uropygialis, 91
Certhia familiaris, 55, 75
 familiaris leucosticta, 75
 familiaris montana, 75
Chachalaca, Wagler, 116
Chaetura pelagica, 150
Chamaea fasciata, 132
 fasciata henshawi, 132
 fasciata phaea, 132
 Chambers, W. Lee, early history and organization of the Cooper Club, 94
Charadrius alexandrinus, 19
 hiaticula, 275
 mongolus, 19
 semipalmatus, 148
 vociferus vociferus, 118
Chickadee, Black-capped, 55, 74
 Mountain, 54, 55, 227
Childs, Henry E., Jr., songs of the brown towhee evoked by nest robbing by scrub jays, 273
Chlorura, 59
 chlorura, 51, 161
Chondestes, 61
 grammacus, 44, 58, 60-62, 161
Chordeiles acutipennis inferior, 160
 minor, 54, 71
 minor hesperis, 71, 132
 minor minor, 71, 149
 minor sennetti, 131, 132
 minor twomeyi, 131, 229
Circus cyaneus, 55
Cisticola juncidis, 24
 juncidis tintannabulans, 24
Cistothorus, 111
 platensis, 275
Coccyzus erythrophthalmus, 149
 minor, 106
Cochlearius cochlearius, 228
Cogswell, Howard L., summer observations of birds on Okinawa, Ryukyu Islands, 16
Colaptes cafer, 51, 227
Colinus virginianus, 117
 virginianus aridus, 117
 virginianus insignis, 117, 122
 virginianus maculatus, 117
 virginianus minor, 117
 virginianus nigrippectus, 117
Columba flavirostris, 119
 flavirostris flavirostris, 119
 flavirostris restricta, 119
 livia, 149, 272
Columbigallina passerina, 164, 165, 272
Colymbus auritus, 157
 nigricollis, 46, 97
Condor, California, 158
Contopus richardsonii, 51, 227
 virens, 276
 coot, 97, 99
Cormorant, Double-crested, 157
 Pelagic, 125
Corvus brachyrhynchos, 22, 55
 brachyrhynchos brachyrhynchos, 150
 corax, 128
 levaillantii, 22
Coturnicops noveboracensis, 275
Covel, Paul F., misalliance of California quail with mallard, 165

- Cowbird, 92, 273, 274
 Crane, Sandhill, 64, 165, 223
 Creeper, 55, 75
Crocethia alba, 148
 Crossbill, Red, 44
 Crow, 55
 American, 22, 150
 Jungle, 22
Crypturellus cinnamomeus, 101, 113, 114
 cinnamomeus cinnamomeus, 114
 cinnamomeus goldmani, 113, 114
 cinnamomeus intermedius, 113, 114
 cinnamomeus sallei, 113
 cinnamomeus soconuscensis, 113
 Cuckoo, Black-billed, 149
 Mangrove, 106
 Curlew, Hudsonian, 19, 221-223
Cyanocitta stelleri, 54
 Cygnus, 132
 buccinator, 132
 columbianus, 132, 228
 Cyphorinus, 108
 lawrencii, 108
 pusillus, 108, 109
Cyrtonyx montezumae, 118
 montezumae sallei, 118
 montezumae montezumae, 118
- D**
- Dawson, William R., records of fringillids from the Pleistocene of Rancho La Brea, 57
 Dehnel, Paul A., winter occurrence of the harlequin duck in the Sacramento Valley, 91
Demigretta sacra, 18
Dendragapus obscurus, 227
Dendrocopos arizonae, 270
 pubescens, 55
 villosus, 55
Dendrocygna autumnalis, 113
 autumnalis fulgens, 113, 114
 autumnalis lucida, 113, 114
Dendroica aestiva, 52, 77, 78, 227, 274
 auduboni, 51
 petechia, 77, 78
 petechia aestiva, 77, 78
 petechia brewsteri, 77, 78
 petechia morcomi, 77, 78
 petechia sonorana, 78
Dendrortyx macroura striatus, 116
 Dickcissel, 275
Diomedea nigripes, 125
 Dipper, 23
 Directory, Membership, 169-192
 Dixon, Keith L., and Krutzsch, Philip H., scrub jay and sparrow hawk roosting in cabin, 133
 Dotterel, 19
 Dove, Cassin, 122
 Ground, 164, 165, 272
 Inca, 152-154
 Jamaican, 122
 Mourning, 51, 54, 56, 119, 120, 149, 151, 159, 160, 163
 Rock, 272
 Turtle, 21
 White-fronted, 122
 White-winged, 121, 160
 Dowitcher, 89, 259, 260
 Duck, Black, 148
 Black-bellied Tree, 113
 Greater Scaup, 126
 Harlequin, 91, 127
 Lesser Scaup, 116, 158
 Mexican, 114
 Muscovy, 114
 Ring-necked, 91
 Ruddy, 116, 158
 Tufted, 126, 127
- E**
- Eagle, Golden, 131, 159
 Egret, Common, 18
 Little, 18
 Reddish, 157
Egretta garzetta, 18
 Eider, 127
Elanus leucurus, 92
Empidonax difficilis, 72, 273
 difficilis difficilis, 72
 difficilis hellmayri, 72
 traillii, 71
 traillii adastus, 71
 traillii brewsteri, 71, 72
Eremophila alpestris, 72, 161
 alpestris actia, 155, 161
 leucolaema, 72
 occidentalis, 72, 73
 utahensis, 72, 73
Ereunetes mauri, 223
Erolia, 259
 ptilocnemis, 127
Euphagus cyanocephalus, 55, 161
Eupoda montana, 118
- F**
- Falco columbarius suckleyi*, 228
 mexicanus, 90, 159, 270
 peregrinus, 271
 sparverius, 55, 131, 133, 159
 sparverius peninsularis, 159
 sparverius sparverius, 148, 159
 tinnunculus, 18
 Falcon, Prairie, 90, 159, 271
 Finch, Cassin Purple, 55, 56
 Gray-crowned Rosy, 129
 House, 55, 79
 Fisher, Don C., occurrences of the emperor goose in California, 133
 Flicker, 53, 54
 Red-shafted, 51, 55, 227
 Florida caerulea, 157
 Flycatcher, Beardless, 163, 164
 Gray-headed, 107, 109

- Gray-spotted, 24
 Olive-sided, 54, 55, 81, 272
 Social, 102, 104
 Vermilion, 160, 163
 Western, 72, 81, 273
 Fox, Wade, horned owl feeding on garter snake, 46
 Fregata minor, 164
 Frigate-bird, 164
 Fulica americana, 97
 Fulmar, Atlantic, 6, 8, 12, 13
 Pacific, 5-15
 Rodgers, 11
 Fulmarus glacialis rogersii, 5-15
- G**
- Gallinula chloropus, 18
 Gallinule, Black, 18
 Gavia immer, 148
 Geothlypis trichas, 52, 78
 trichas campicola, 78
 trichas occidentalis, 78
 trichas scirpicola, 78
 Glaucionetta clangula, 127
 Gnatcatcher, Blue-gray, 272
 Western, 161
 Godwit, Marbled, 160
 Snipe-billed, 267
 Golden-eye, Common, 127
 Goldfinch, American, 58, 68
 Arkansas, 52
 Common, 55
 Eastern, 151
 Green-backed, 53, 55, 272
 Goose, Cackling, 157, 158
 Canada, 47, 98, 99, 148
 Emperor, 125, 133, 271
 White-fronted, 113
 Gorsachius goisagi, 18
 Goshawk, 55
 Grackle, Bronzed, 151
 Grebe, Eared, 46, 97, 157
 Horned, 157
 Greenhalgh, Clifton M., second record of the golden-crowned sparrow in Utah, 46
 Greenshank, 19
 Grosbeak, Black-headed, 54, 58, 81, 82
 Evening, 55, 58
 Pine, 227
 Grouse, Dusky, 227
 Grus canadensis, 165
 Gull, California, 97-100
 Glaucous-winged, 127
 Great Black-backed, 149
 Herring, 149
 Laughing, 149
 Ring-billed, 98
 Gullion, Gordon W., an early record of the western kingbird in Lane County, Oregon, 46; a mid-winter record of the barn swallow in Lane County, Oregon, 92; wren-tits in the Roseburg Area, Oregon, 132; crane migration in the Willamette Valley, Oregon, 165; young short-eared owl "captured" by plant, 229
 Gygis alba, 20
 Gymnogyps californianus, 158
 Gymnorhinus cyanocephalus, 161
- H**
- Haecker, Fred W., a nesting study of the mountain bluebird in Wyoming, 216
 Halcyon coromanda, 21
 Hanna, Wilson C., and Cardiff, Eugene E., eastern kingbird in San Bernardino Valley, California, 46
 Hawbecker, Albert C., analysis of variation in western races of the white-breasted nuthatch, 26
 Hawk, Black Pigeon, 228
 Cooper, 55, 131, 230, 231
 Duck, 271
 Harris, 159
 Marsh, 55
 Red-shouldered, 131
 Red-tailed, 55, 56, 131, 135, 148
 Sharp-shinned, 55
 Sparrow, 55, 131, 133, 159, 219
 Swainson, 55, 131
 Zone-tailed, 47, 159
 Hemichelidon griseisticta, 24
 griseisticta griseisticta, 24
 Hemiura, 109
 brachyura, 109, 110
 brevicauda, 109
 Hen, Water, 18
 Henicorhina, 110, 111
 hilaris bangsi, 111
 leucophrys, 111
 leucosticta, 111
 Hering, Louise, nesting birds of the Black Forest, Colorado, 49
 Heron, Black-crowned Night, 18, 148, 158, 228, 274
 Boat-billed, 228
 Brown Night, 18
 Gray, 17
 Great Blue, 133, 148
 Green, 17, 148
 Little Blue, 157
 Reef, 18
 Streaked, 17
 Hesperiphona, 58, 63
 vespertina, 55, 58, 62
 Heterorhina, 108
 prostheleuca, 111
 pusilla, 108
 Heteroscelus incanus, 20
 Hill, Harold M., raptorial hosts of Protocalliphora, 131
 Hill, Harold M., and Wiggins, Ira L., ornithological notes from Lower California, 155
 Himantopus mexicanus, 97

- Hirundo rustica*, 21, 92, 161, 164
rustica gutturalis, 21
rustica namiyei, 21
- Histrionicus histrionicus*, 91, 127
- Hodges, James, unusual feeding behavior of the brown thrasher, 133; water-surface feeding of robins, 164
- Hotchkiss, Neil, bird records from northeastern Montana, 275
- Hummingbird, Allen, 81
 Broad-tailed, 51-54, 91, 227, 228
 Costa, 157
 Ruby-throated, 150
 Rufous, 227, 228
- Hydroprogne caspia*, 98
- Hyalocichla guttata*, 76
guttata auduboni, 76
guttata polionota, 76
ustulata, 76
ustulata almae, 76
ustulata swainsonii, 76
- I
- Ibis, White-faced Glossy, 158
 Wood, 158
- Icterus cucullatus*, 257, 258
cucullatus californicus, 257
cucullatus cucullatus, 257, 258
cucullatus igneus, 257
cucullatus nelsoni, 257, 258
cucullatus restrictus, 257
cucullatus sennetti, 257, 258
cucullatus trochiloides, 257
galbula, 67, 150
- Ixos amaurotis*, 22
amaurotis amaurotis, 22
amaurotis pryeri, 22
- J
- Jaeger, Edmund C., does the poor-will "hibernate"? 45; notes on behavior of the turkey vulture and prairie falcon, 90
- Jaeger, Long-tailed, 223
 Parasitic, 233
- Jay, Blue, 150, 151
 Piñon, 161
 Rocky Mountain, 227
 Scrub, 74, 133, 161, 273
 Steller, 54, 55
- Jewett, Stanley G., the eastern brant in Idaho, 93; a late fall record of the poor-will in Oregon, 133; the cardinal in Oregon, 134; a second record of the Cassin auklet at Portland, Oregon, 164; another black pigeon hawk from California, 228
- Junco, 59
aikeni, 92
caniceps, 51, 227
hyemalis hyemalis, 92
oreganus montanus, 92
- Junco, Gray-headed, 51, 53-55, 227
 Oregon, 92
- Red-backed, 55
 Slate-colored, 92
 White-winged, 92
- K
- Kestrel, 18
- Killdeer, 54, 89, 90, 118, 159
- Kingbird, Arkansas, 272
 Eastern, 46, 150
 Western, 46
- Kingfisher, Belted, 21, 150
 River, 21
 Ruddy, 21
- Kinglet, Ruby-crowned, 24, 91, 227
- Kiskadee, 104
- Kite, White-tailed, 92, 93
- Knot, 275
- Kritzler, Henry, observations on behavior in captive fulmars, 5
- Krutzsch, Philip H., and Dixon, Keith L., scrub jay and sparrow hawk roosting in cabin, 133
- L
- Lagopus rupestris*, 127
- Lark, Horned, 72, 155, 161
- Larus argentatus argentatus*, 149
atricilla, 149
californicus, 97-100
glaucescens, 127
marinus, 149
- Leptotila cassinii*, 122
cassinii cerviniventris, 122
jamaicensis, 122
jamaicensis gaumeri, 122
verreauxi, 122
verreauxi angelica, 122
verreauxi brachyptera, 122
verreauxi fulviventris, 122
- Leucosticte tephrocotis*, 129
- Limnodromus*, 259, 260, 264, 265, 267
griseus, 259-262, 266-268
scolopaceus, 259, 260, 264, 266-268
semipalmatus, 259-269
taczanowskii, 259
- Limosa*, 263-267
fedoa, 160
haemastica, 261, 263
lapponica, 261-268
lapponica baueri, 266
limosa, 261, 264, 266, 268
uropygialis, 267
- Lobipes lobatus*, 223
- Longspur, Alaska, 223
 Lapland, 124, 129
- Loon, Common, 148
- Lophortyx californica*, 159, 165, 272
californica decolorata, 159, 160
californica plumbea, 159
gambelii, 116
gambelii friedmanni, 116, 117

gambelii fulvipectus, 116, 117
Loxia curvirostra, 44
Lunda cirrhata, 128

M

Mallard, 91, 114, 126, 165, 272
Mareca americana, 158
 Marshall, Joe T., Jr., ecologic races of song sparrows in the San Francisco Bay Region, part I, habitat and abundance, 193; part II, geographic variation, 233
 Mayfield, Harold, boat-billed heron in east-central Tamaulipas, Mexico, 228
 McHugh, Tom C., a nesting census from the subalpine belt of Colorado, 227
 McMillan, Eben, a nesting record for the red crossbill in California, 44
 Meadowlark, Western, 156
Megaceryle alcyon alcyon, 150
Melospiza georgiana, 62
 lincolni, 62, 227
 melodia, 55, 58, 61, 62, 79, 129, 274 (see also *Passerella*)
 melodia fallax, 79, 80
 melodia merrilli, 80
 melodia montana, 79, 80
 melodia virginis, 80
 Membership Directory, 169-192
 Miller, Alden H., further observations on variation in canyon wrens, 83; white-winged junco parasitized by cowbird, 92; the whistling swan in the Upper Pliocene of Idaho, 132; review of the bird fauna of British Columbia, by Munro and Cowan, 166; a new subspecies of eared poor-will from Guerrero, Mexico, 224
Mimus polyglottos, 106, 272
 Minivet, Ashy, 21, 22
 Mockingbird, 106, 272
Molothrus ater, 273
 ater artemisiae, 92
 Monson, Gale, the starling in Arizona, 45
Monticola solitarius, 22
 Morgan, Allen H., white-tailed kites roosting together, 92
Motacilla cinerea, 24
 flava alascensis, 64
Myadestes townsendi, 55, 161
Mycteria americana, 158
Myiozetetes similis, 102

N

Nannorchilus leucogaster, 101-112
 Neff, Johnson A., Russian-banded emperor goose killed in California, 271
Nephoecetes niger, 274
 Nighthawk, 54, 71, 131, 149
 Sharp-winged, 160
Numenius hudsonicus, 19, 221
 phaeopus, 19
 variegatus, 19

Nuthatch, Pygmy, 51-55
 White-breasted, 26-39, 51, 53, 55
Nuttallornis borealis, 54, 272
Nyctagregus, 224
Nycticorax nycticorax, 18, 158, 274
 nycticorax hoactli, 148
Nyroca collaris, 91

O

Oceanodroma leucorhoa, 125
Odontophorus guttatus, 117
 guttatus matudae, 117, 118
Oporornis tolmiei, 227
Oreopelia albifacies rubida, 122
 Oriole, Baltimore, 67, 150
 Hooded, 257, 258
Ortalis wagleri wagleri, 116
 Osprey, 18, 148
Otophanes mcleodii, 224, 225
 mcleodii mcleodii, 224, 225
 mcleodii rayi, 224, 225
 yucatanicus, 225
Otus asio, 71
 asio cineraceus, 71
 asio inyoensis, 71
 Owl, Burrowing, 92
 Horned, 46, 47, 56
 Long-eared, 131
 Saw-whet, 63, 233, 276
 Screech, 71
 Short-eared, 227
Oxyechus vociferus, 54
Oxyura jamaicensis, 116, 158

P

Pandion haliaetus, 18
 haliaetus carolinensis, 148
Parabuteo unicinctus, 159
 Parkes, Kenneth C., and Amadon, Dean, the winter range of the Kennicott willow warbler, 86
 Partridge, Long-tailed, 116
Parus atricapillus, 55, 74
 atricapillus nevadensis, 74, 75
 atricapillus septentrionalis, 74, 75
 gambeli, 75, 227
 gambeli inyoensis, 75
 major, 22
Passerculus, 204
 sandwichensis halophilus, 161
 sandwichensis magdalanae, 161
Passer domesticus, 25, 161, 163
 montanus, 25
Passerella, 214
 iliaca, 58, 62
 iliaca brevicauda, 62
 iliaca canescens, 62
 iliaca fuliginosa, 62
 iliaca iliaca, 62
 iliaca mariposae, 62
 iliaca stephensi, 62
 iliaca townsendi, 62

- melodia, 193-215, 233-256
 melodia atlantica, 193
 melodia cleonensis, 194, 248, 251, 253, 255
 melodia cooperi, 214, 237, 249, 251, 253, 256
 melodia euphonia, 193
 melodia fisherella, 202
 melodia gouldii, 194, 209, 214, 235, 237-239,
 241-247, 251-255
 melodia heermanni, 254, 255
 melodia mailliardi, 193, 255
 melodia maxillaris, 194, 209, 235, 237-239,
 241-246, 255
 melodia morphna, 202
 melodia pusillula, 194, 209, 213, 235, 237-239,
 241-247, 251, 254, 255
 melodia samuelis, 194, 208, 213, 235, 237-239,
 241-246, 251, 254, 255
 melodia santaecrucis, 193, 237, 255
Passerherbullus caudacutus, 275
Passerina amoena, 55
 versicolor, 106
 Peet, Max M., the prothonotary warbler in Ari-
 zona, 134
Pelecanus erythrorhynchos, 91, 98
 occidentalis thagus, 148
 Pelican, Brown, 89, 148
 White, 91, 98
Penthestes gambeli, 54
Pericrocotus roseus, 21
Perisoreus canadensis, 227
 Petrel, Leach, 125
Petrochelidon albifrons, 73
 albifrons albifrons, 73
 albifrons arophata, 73
 albifrons hypopolia, 73
 albifrons tachina, 74
 Pewee, Eastern Wood, 276
 Western Wood, 51-53, 81, 82, 218, 227
 Wood, 54, 82
 Peyton, Sidney B., ground dove in Ventura
 County, 165; whistling swan in Ventura
 County, 228
Phainopepla nitens, 272
Phainopepla, 272
Phalacrocorax auritus, 157
 auritus auritus, 148
 gaimardi, 148
 pelagicus, 125
Phalaenoptilus nuttallii, 45
 nuttallii nuttallii, 133
 Phalarope, 89
 Northern, 223
Phasianus colchicus, 97, 160
 Pheasant, Ring-necked, 97, 160
Pheucticus, 58, 63
 melanocephalus, 54, 58, 62
Pheugopedius, 110
Philacte canagica, 125, 133, 271
 Phillips, Allan R., and Pulich, Warren M., nesting
 birds of the Ajo Mountains region, Ari-
 zona, 271
Phylloscopus borealis, 24, 86, 87
 borealis borealis, 24, 86
 borealis examinandus, 87
 borealis kennicotti, 86, 87
 borealis xanthodryas, 24, 87
 Pigeon, Band-tailed, 56
 Domestic, 149
 Red-billed, 119
Pinicola enucleator, 227
 Pintail, 91, 126, 158, 222, 223
 Pipilo, 59
 aberti, 59, 60
 angelensis, 58, 59, 62
 consobrinus, 59
 fuscus, 58-60, 62, 273
 fuscus albigula, 156, 157
 maculatus, 54, 58-60, 62, 272
 Pipit, 89, 90
Piranga ludoviciana, 55
 Pitelka, Frank A., notes on the distribution and
 taxonomy of Mexican game birds, 113; the
 problematical relationships of the Asiatic
 shorebird *Limnodromus semipalmatus*, 259
Platypsaris aglaiae, 102
Plectrophenax nivalis, 129
Plegadis guarauna, 158
 Plover, Black-bellied, 148, 220, 221
 Golden, 19, 220, 221
 Kentish, 19
 Mountain, 118
 Semipalmated, 148, 275
 Snowy, 19, 20
Pluvialis dominica, 19, 220
Polioptila caerulea, 272
 caerulea amoenissima, 161
Polyborus cheriway auduboni, 159
Poocetes gramineus, 58, 60, 62
 Poor-will, 45, 133
 Eared, 224, 225
Protonotaria citrea, 134
Psaltriparus minimus, 75
 minimus plumbeus, 75
 minimus providentialis, 75
Pseudosclopax, 267, 268
 Ptarmigan, 65, 67, 70, 223
 Rock, 127
Ptychoramphus aleuticus, 164
 Puffin, Tufted, 127, 128
 Pulich, Warren, and Phillips, Allan R., nesting
 birds of the Ajo Mountains region, Ari-
 zona, 271
Pyrocephalus rubinus, 163
 rubinus flammeus, 160
- Q
- Quail, California, 156, 165, 272
 Gambel, 116
 Montezuma, 118
 Quail-dove, White-faced, 122
Querquedula cyanoptera, 97
 Quetzal, 137
Quiscalus quiscula aeneus, 151

R

- Rail, Virginia, 118
 Yellow, 275
Rallus limicola limicola, 118
 Raven, 90
 Holarctic, 128, 129
Recurvirostra americana, 119
 Redhead, 158
 Redpoll, 64
 Common, 66-68
 Hoary, 66, 67
Regulus calendula, 91, 227
 Richardson, Frank, frigate-bird bested by brown booby, 164
Richmondia, 58
 cardinalis, 134
 Robin, 23, 51, 53-55, 150, 164, 218, 227
 Gray, 106
 Rogers, Irl, the effect of DDT on a bird population, 89
 Russell, Ward C., a record of *Tyrannus melancholicus occidentalis* for California, 90

S

- Salipinctes obsoletus*, 272
 Sanderling, 148
 Sandpiper, Common, 20
 Least, 89, 90
 Rock, 127
 Solitary, 118
 Spotted, 20, 89, 118, 227, 228
 Western, 89, 223
 Sapsucker, Red-naped, 54, 227
 Williamson, 56
 Saunders, Aretas A., note on imitation in starlings, 276
Scardafella inca, 152-154
Selasphorus rufus, 227
 platycercus, 51, 91, 227
 Shag, Red-footed, 148
 Shearwater, Black-vented, 6
 Shoveller, 116, 158
Sialia currucoides, 55, 216-219, 227
 mexicana, 51
 Siskin, Pine, 52-54, 227, 272
Sitta carolinensis, 26-39, 51
 carolinensis aculeata, 26-39
 carolinensis alexandrae, 26-39
 carolinensis nelsoni, 26-39
 carolinensis tenuissima, 26-39
 pygmaea, 51
 Skutch, Alexander F., life history of the citreoline trogon, 137
 Snipe, Red-breasted, 260
 Wilson, 89, 90, 118
 Solitaire, Townsend, 55, 161
Somateria mollissima, 127
 Sparrow, Bell, 156
 Black-chinned, 272
 Black-throated, 61, 272
 Botteri, 106
 Brewer, 161
 Chipping, 51-54, 56, 81, 82, 272, 274
 Desert, 63
 English, 161, 163, 216-218
 Field, 67, 70
 Fox, 62, 63, 255
 Golden-crowned, 46, 90
 House, 25
 Lark, 44, 60, 63, 90, 161
 Leconte, 275
 Lincoln, 90, 200, 202, 227, 228, 255
 Nelson Sharp-tailed, 275
 Olive, 101
 Rufous-crowned, 272
 Savannah, 161, 200, 204, 207, 214
 Song, 46, 55, 63, 79, 80, 124, 129, 193-215, 233-256, 274
 Tree, 25, 64, 69, 70
 Vesper, 60, 63
 Western Tree, 69
 White-crowned, 61, 90, 202-204, 227, 228
Spatula clypeata, 116, 158
Speotyto cunicularia, 92
Sphyrapicus varius, 54, 227
 Spinus, 57-59
 pinus, 52, 227, 272
 psaltria, 52, 58, 272
 tristis, 55, 58, 59, 62
 tristis tristis, 151
Spiza americana, 275
 Spizella, 57, 58, 61
 arborea, 61
 arborea arborea, 70
 arborea ochracea, 69
 atrogularis, 272
 breweri breweri, 161
 passerina, 51, 272, 274
 pusilla, 67
Squatarola squatarola, 148, 220
 Starling, 45, 89, 150, 165, 276
 Red-cheeked, 24
Sterna albifrons, 20
 albifrons browni, 119
 antillarum antillarum, 149
 hirundo hirundo, 149
 paradisaea, 127
 sumatrana, 20
Sthenelides olor, 132
 Stilt, Black-necked, 89, 97
Streptopelia chinensis, 21
 orientalis, 21
 Storer, Robert W., review of birds of Arctic Alaska, by Alfred M. Bailey, 230
 Stott, Ken, Jr., an albino eared grebe at Mono Lake, 46
Sturnella neglecta, 156
Sturnia philippensis, 24
Sturnus vulgaris, 45, 89, 150, 165, 276
Sula leucogaster, 164
 sula, 164
 variegata, 148

- Sutton, George Miksch, the curve-billed thrasher in Oklahoma, 40; the nest and eggs of the white-bellied wren, 101; comments on *Icterus cucullatus cucullatus* Swainson in the United States, 257
- Swallow, Barn, 21, 92, 161, 164
Cliff, 73, 81, 82
House, 21
Tree, 218
Violet-green, 51, 53, 54
- Swan, Trumpeter, 132
Whistling, 132, 228
- Swift, Black, 274
Chimney, 150
White-throated, 271
- Synthliboramphus antiquus, 125
- T
- Tachycineta thalassina, 51
- Talmadge, Robert R., white pelican and ring-necked duck in Humboldt County, California, 91; the cowbird moves northward in California, 273
- Tanager, Western, 53, 55
- Tattler, Wandering, 20
- Teal, Blue-winged, 116
Cinnamon, 97
European, 126
European Green-wing, 126
Falcated, 126
Green-winged, 158
- Telmatodytes, 111
palustris, 75, 103
palustris aestuarinus, 75, 76
palustris plesius, 76, 161
- Tern, Arctic, 127
Black-naped, 20
Caspian, 98
Common, 149
Least, 20, 119, 149
Little, 20
White, 20
- Thrasher, Brown, 133
Curve-billed, 40-43, 152, 153
Long-billed, 106
- Thrush, Hermit, 72, 76
Red-bellied Rock, 22, 25
Swainson, 81
- Thryophilus, 110
- Thryothorus, 108, 110, 111
ludovicianus, 110
maculipectus, 103, 110
modestus, 110, 111
pleurostictus, 110, 111
semibadius, 111
- Tinamou, Cinnamonaceous, 101
Mexican, 113
- Tinkham, Ernest R., notes on actions of the Audubon caracara, 274
- Tit, Great, 22
- Todd, W. E. Clyde, correction to description of *Chordeiles minor twomeyi*, 229
- Tolmomyias sulphureus, 111
sulphureus cinereiceps, 107, 109
- Totanus melanoleucus, 118
- Towhee, 54, 59
Brown, 60, 156, 273
Green-tailed, 51, 52, 54, 161
Spotted, 54, 60, 272
- Tree Duck, Black-bellied, 113
- Toxostoma curvirostre, 40-43, 152
curvirostre celsum, 40-43
curvirostre oberholseri, 40-43
curvirostre palmeri, 41
longirostre, 106
rufum, 133
- Tringa nebularia, 19
solitaria, 118
solitaria cinnamomea, 118
- Troglodytes, 108-110
aëdon, 51, 101, 109, 227
brachyurus, 109
intermedius, 109
leucogaster, 108, 109
musculus, 109
troglodytes, 129
- Trogon citreolus, 146
citreolus melanocephalus, 137, 138, 146
citreolus sumichrasti, 141, 142
collaris puella, 144
elagens canescens, 166
massena, 137
violaceus, 138.
- Trogon, Black-headed, 137, 138, 141
Citreoline, 137-147
Coppery-tailed, 166
Gartered, 138
Jalapa Collared, 144
Massena, 137
Mexican, 137
- Turdus grayi, 106
migratorius, 51, 150, 164, 227
- Turnix suscitator, 18
- Turnstone, Ruddy, 20, 275
- Twomey, Arthur C., California gulls and exotic eggs, 97
- Tyrannus melancholicus occidentalis, 90
tyrannus, 46, 150
verticalis, 46, 272
- U
- Uria lomvia, 125
- Uropsila, 108-110
leucogastra, 108, 109
- V
- Vermivora celata, 273
celata lutescens, 161
luciae, 272
ruficapilla, 55
virginiae, 55
- Vestal, Elden H., the starling appears at Leevining, Mono County, California, 89

- Vireo gilvus*, 52, 77, 227
gilvus leucopolius, 77
gilvus swainsonii, 77
solitarius, 51
solitarius plumbeus, 92
Vireo, Solitary, 51, 53, 54, 92
Warbling, 52, 77, 81, 227
Vulture, Turkey, 90

W

- Wagtail, Gray*, 24
Yellow, 64-66
Walkinshaw, Lawrence H., nestings of some passerine birds in western Alaska, 64; nestings of some shorebirds in western Alaska, 220
Warbler, Arctic Willow, 24
Audubon, 51, 53-56
Calaveras, 55
Fan-tailed, 24
Kennicott, 86, 87
Lucy, 272
Orange-crowned, 81, 161, 273
Pileolated, 81, 227, 273
Prothonotary, 134
Tolmie, 81, 82, 227
Virginia, 55
Willow, 86, 87
Yellow, 52, 77, 81, 227, 274
Webster, J. Dan, red-wing in southeastern Alaska, 229
Weston, Henry G., Jr., spring arrival of summer residents in the Berkeley area, California, 81
Whimbrel, 19
White-eye, 22
Japanese, 25
Wiggins, Ira L., and Hill, Harold M., ornithological notes from Lower California, 155
Wilson, Rowland Steele, the summer bird life of Attu, 124
Wilsonia pusilla, 227, 273
Wolff, John L., attempted coition of rock dove with mallard, 272
Woodpecker, Arizona, 270
Downy, 55
Gila, 91
Hairy, 55
Lewis, 56
Pileated, 63
Wren, Bewick, 108
Cactus, 152, 153
Canyon, 83-85, 201
Carolina, 110
House, 51, 53, 54, 81, 82, 101, 103, 109, 218, 227
Long-billed Marsh, 103
Marsh, 76, 161, 200, 205
Mexican, 101
Rock, 272
Short-billed Marsh, 275
Spotted-breasted, 103, 110
White-bellied, 101-112
Winter, 129
Wren-tit, 132
Coast, 132
Pallid, 132, 133

Y

- Yellow-legs*, 19, 20, 89
Greater, 118
Yellow-throat, 52, 55, 200, 205
Young, James A., an early record for the barn swallow in the San Francisco Bay area, 164

Z

- Zenaida asiatica*, 121
asiatica asiatica, 121, 122
asiatica mearnsi, 121, 122, 160
Zenaidura macroura, 51, 119-121, 163
macroura carolinensis, 120, 121, 149
macroura marginella, 119-121, 160
Zonotrichia, 61, 63
coronata, 46, 61
leucophrys, 58, 61, 62, 227
leucophrys nuttalli, 204
Zosterops palpebrosus, 25