

INDEX TO VOLUME XXXVII

A

Abbott, Clinton G., another invasion of wood ibises in southern California, 35
Acanthis linaria linaria, 87
Accipiter atricapillus striatulus, 171
 cooperii, 76, 240
 ruficaudus, 215
 velox, 88, 171, 240
Actitis macularia, 241
Aechmophorus occidentalis, 178
Agelaius phoeniceus arctolegus, 188, 269, 273
Aglaeactis pamela, 23
Alauda arvensis, 256
Aldrich, Elmer C., nesting of the dusky poor-will, 49
Alexander, Gordon, an influx of dickcissels into central Colorado, 38
Allen, Amelia Sanborn, some observations on the feeding habits and eye-shine of the poor-will, 254
Amazilia yucatanensis chalconota, 22
Anas platyrhynchos, 76, 176, 239
Anderson, Harvey T., condors in northern Los Angeles County, California, 170
Ani, San Lucas, 168
Anser, 44
 albifrons, 175
 albifrons albifrons, 244
 albifrons gambelli, 244
Anserine fossil, 43
Anthocephala floriceps, 24
Anthus spinolella rubescens, 287
Aphelocoma californica californica, 105
 californica hypoleuca, 167
 californica oocleptica, 289
 sieberi arizonae, 246
Aquila, 208
 chrysaëtos, 77, 171, 207
Archilochus alexandri, 22
 colubris, 22, 279
Ardea herodias, 75
 herodias treganzai, 26-35, 239
Arnold, John R., the changing distribution of the western mockingbird in California, 193
Asio flammeus, 241
 flammeus flammeus, 86
 wilsonianus, 79
Asturina ruficauda, 215
Asyndesmus lewisi, 173, 245
Auklet, *Rhinoceros*, 183
Avocet, 84, 235, 237, 241

B

Baeolophus wollweberi annexus, 84
Baldpate, 24, 189, 191, 234, 239
Bartramia longicauda, 269
Basilinna xantusii, 166

Behle, William H., a history of the bird colonies of Great Salt Lake, 24
Behle, Wm. H., and J. Grinnell, comments upon the subspecies of *Catherpes mexicanus*, 247
Bennett, Walter W., an albino Arkansas kingbird, 88
Bishop, Red, 292
Bittern, American, 187, 234, 269
 Least, 239
 Western Least, 86
Blackbird, Brewer, 182, 188, 233, 269
 Red-winged, 172, 188, 191, 237, 269, 273
 Rusty, 187, 188, 191
 Yellow-headed, 235, 237
Bluebird, 273
 Mountain, 177, 186, 235, 242
 Western, 16, 17, 177, 242, 262
Bob-white, 230, 269, 272, 274, 276
Bombycilla cedrorum, 187, 242
Bonasa umbellus brunneascens, 204, 206
 umbellus sabini, 204, 206
 umbellus thayeri, 205, 206
 umbellus togata, 204, 206
 umbellus umbelloides, 204, 206
 umbellus umbellus, 205, 269
 umbellus yukonensis, 204, 206
Booby, Brewster, 287
Botaurus lentiginosus, 269
Bourcieria assimilis, 23
Brant, Black, 234
Branta canadensis, 31, 75
 canadensis canadensis, 44, 75, 86
 canadensis minima, 76, 285
 dickeyi, 76
Breckenridge, W. J., an ecological study of some Minnesota marsh hawks, 268
Brooks, S. C., pygmy nuthatch in Berkeley, 288
Brown, D. E., dotterel in western Washington, 82
Bruce, H. D., and Adolph Murie, some feeding habits of the western sandpiper, 258
Bubo virginianus, 79
 virginianus elachistus, 165
 virginianus virginianus, 269
Buffle-head, 86, 234, 240
Bunting, Beautiful Varied, 167
 Lark, 247, 263
 Lazuli, 93, 234, 237, 242
 Snow, 174, 286, 287
Bush-tit, 162, 183, 254
 Coast, 257
 Grinda, 168
Buteo albonotatus, 240
 borealis, 76, 83
 borealis borealis, 215, 269

- borealis calurus, 202, 240
magnirostris petulans, 215
magnirostris ruficauda, 215
melanoleucus, 208
regalis, 176, 240
swainsoni, 77, 80
Butorides virescens anthonyi, 239, 244
Byrens, Oscar McKinley, additional notes
 on snow buntings perching in trees,
 286
- C**
- Calamospiza melanocorys*, 247
Calcarius lapponicus lapponicus, 286
ornatus, 68
Calocitta formosa pomposa, 259
Calothorax lucifer, 22
Calypte anna, 22
costae, 22
Campephilus imperialis, 21
Campstostoma imberbe, 245
Canvas-back, 86, 234
Capella delicata, 241
Caracara, Audubon, 164
Cardinal, 292
Carpodacus cassini, 41
Carriger, Henry W., portrait of, 261
Casmerodius albus egretta, 239, 244
Catbird, 81, 269, 273
Cathartes, 206
aura, 76
aura aura, 176
aura septentrionalis, 163, 176
aura teter, 176
Catherpes mexicanus, 247-251
mexicanus albifrons, 247-251
mexicanus conspersus, 247-251
mexicanus poliophilus, 247-251
mexicanus punctulatus, 247-251
Centurus uropygialis brewsteri, 165
uropygialis cardonensis, 165
Ceophloeus pileatus picinus, 45
Certhia familiaris montana, 39, 87
Charitonetta albeola, 76, 86, 240
Chat, Long-tailed, 236, 242
 Yellow-breasted, 220, 287
Chaulelasmus streperus, 76, 239
Chen, 44
hyperborea, 239
rossii, 76
Chickadee, Grinnell, 192
 Long-tailed, 187, 235
 Mountain, 235
Chicken, Prairie, 211, 269, 275, 276
Chlidonias nigra surinamensis, 86, 245
Chloephaga, 44
Chlorostilbon auriceps, 23
Chordeiles acutipennis inferior, 166
minor hesperis, 176
Chrysolampis moschitius, 23
Ciconia maltha, 75
Cinclus mexicanus unicolor, 43, 88
- Circus hudsonius*, 77, 240, 268-276
Clark, Harold W., fire and bird populations, 16
Clary, Ben, and Marjorie Clary, American golden-eye and American merganser on Salton Sea, 80; surf scoters on Salton Sea, 179
Colaptes auratus luteus, 273
cafer, 79
cafer collaris, 289
Colinus virginianus, 230
virginianus virginianus, 269, 272
Columba fasciata, 82, 285
Colypte costae, 177
Compton, Lawrence V., an anserine fossil from the Pliocene of western Nebraska, 43
Condor, 48, 170, 221
 California, 5, 221
Conover, H. B., a new race of ruffed grouse from Vancouver Island, 204
Cooper Ornithological Club, regular meetings, minutes of, 46, 92, 180, 219, 261; tenth annual meeting 45, 181, 183, 222; board of governors and directors meeting, 89, 223, 224; prize program contest, results, 47
Coot, 85
 American, 189, 190, 235, 240
Coragyps atratus atratus, 244
occidentalis, 76, 206
shastensis, 76
urubu, 76
Cormorant, 26-35
Brandt, 36, 181, 263
Double-crested, 26-35
Farallon, 36, 234, 244
Corvus, 79
brachyrhynchos brachyrhynchos, 269
brachyrhynchos hesperis, 87, 242, 285
corax sinuatus, 242
Cottam, Clarence, unusual food habits of California gulls, 170
Covel, Paul, occurrence of the saw-whet owl in Oakland, 83
Cowbird, 178, 269
 Nevada, 39, 235
Crane, Little Brown, 183
 Sandhill, 86, 220, 234
 Whooping, 89
Creciscus jamaicensis coturniculus, 81
Creeper, Rocky Mountain, 39, 87
 Rocky Mountain Brown, 192
 Sierra, 48
Crossbill, Red, 192
 White-winged, 193
Crouch, James E., Louisiana herons on San Diego Bay, 87
Crow, 48, 269
 Western, 87, 186, 235, 242, 285
Cryptoglaux acadica, 82, 83, 172

- Curlew Long-billed, 43, 236
Cyanocitta stelleri annectens, 170
 stelleri carbonacea, 289
 stelleri percontatrix, 257
Cygnus columbianus, 75, 86, 177, 178, 212, 285
Cynanthus latirostris, 22
- D**
- Dafila acuta*, 239
 Davis, William B., noon-day feeding of the Pacific nighthawk, 176; an analysis of the bird population in the vicinity of Rupert, Idaho, 233
 DeGroot, Dudley S., nesting of the Pacific evening grosbeak in the vicinity of Echo Lake, Eldorado County, California, 40
Dendroica aestiva, 203, 204
 aestiva aestiva, 203, 269
 aestiva brewsteri, 203
 aestiva morcomi, 203
 aestiva rubiginosa, 203
 nigrescens, 206
 townsendi, 171
 Dickcissel, 38
 Dickey, Florence V. V., familiar birds of the Pacific Southwest, reviewed, 260
Diphlogaena iris, 23
 Dipper, 88
 Dixon, Joseph S., Barrow golden-eye breeding in Yosemite National Park, 85; Virginia rail in Yosemite Valley, 87; a whistling swan visits Death Valley, 212; nesting of the black swift in Sequoia National Park, 265
 Dotterel, 82
 Dove, Chinese Spotted, 96, 181
 Mourning, 95, 235, 269, 273
 Ringed Turtle, 96
 Western Mourning, 163
 Western White-winged, 245
 Dowitcher, Long-billed, 245, 287
Dryobates scalaris lucasanus, 165
 DuBois, A. Dawes, nests of horned larks and longspurs on a Montana prairie, 56
 DuBois, H. M., another winter record of the Townsend warbler in Portland, Oregon, 171
 Duck, Lesser Scaup, 176, 240
 Ring-necked, 86
 Ruddy, 86, 235, 249
 Wood, 281
Dumetella carolinensis, 81, 269, 273
 Dyer, Ernest I., meeting the condor on its own ground, 5
- E**
- Eagle, 206
 Bald, 190, 291
- Golden, 171, 186, 256
 Egret, 220
 American, 93, 183, 239, 244
 Brewster, 237, 244
Egretta thula, 80
 thula brewsteri, 244
 Ellis, Ralph, bird records from northeastern Nevada, 86
Emberiza shattucki, 282
Empidonax hammondi, 245
 traillii brewsteri, 88
 traillii traillii, 269
 Engels, William L., status of *Toxostoma rufivirum* in the Rancho La Brea fauna, 258
Ereunetes mauri, 258
Erismatura jamaicensis, 76
 jamaicensis rubida, 86, 240
 Errington, Paul L., over-populations and predation: a research field of singular promise, 230
Eudromias morinellus, 82
Eugenes fulgens, 22
Eupagus carolinus, 187, 269
Eupoda montana, 78
Eustephanus galeritus, 23
- F**
- Falco columbarius*, 77, 201, 202
 columbarius bendirei, 201
 columbarius columbarius, 201
 columbarius richardsonii, 201, 245
 columbarius suckleyi, 202
 mexicanus, 77, 225-230, 240
 peregrinus, 77
 rusticulus, 78
 sparverius, 77, 172
 sparverius peninsularis, 164
 sparverius sparverius, 216, 269
 swarthi, 78
 Falcon, Prairie, 225-230, 236, 240
 Finch, Cassin Purple, 41
 Gray-crowned Rosy, 213
 Hepburn Rosy, 184, 213
 House, 233
 Purple, 93
 Rosy, 82, 175
 Flicker, 16
 Northern, 273
 Red-shafted, 133, 186, 291, 288, 289
 Flycatcher, Alder, 187, 269
 Ash-throated, 241, 262
 Beardless, 245
 Derby, 259
 Hammond, 185, 245
 Little, 88
 Olive-sided, 192, 220, 236, 262
 Traill, 235
 Vermilion, 84, 173, 220, 241
 Western, 93, 234
 Wright, 234, 237
Fregata magnificens, 213

- Fringilla lincolnii*, 150
Fulica americana, 85, 240
- G
- Gadwall*, 223, 239
Gallus domesticus, 272
Gavia immer, 170, 286
 immer elasson, 248
Geococcyx californianus, 78, 165, 241
 conklini, 79
Geothlypis trichas brachyactyla, 269
Geranoaetus, 77
Gilman, M. French, notes on birds in
 Death Valley, 238
Glaucidium, 288
 braziliandum ridgwayi, 211
 gnoma, 288
 gnoma grinnelli, 210
 gnoma hoskinsii, 165
Glaucionetta clangula americana, 80, 178,
 240
 islandica, 82, 85
Gnatcatcher, Plumbeous, 177
Godwit, 42
 Marbled, 95, 236
Golden-eye, American, 80, 178, 235, 240
 Barrow, 82, 85, 189, 235
Goldfinch, 269
 Green-backed, 17
 Lawrence, 93
 Willow, 93, 233
Goose, Cackling, 285
 Canada, 44, 79, 86, 184, 234
 Hutchins, 236
 Snow, 239
 Tule, 144
 White-fronted, 175
Gorsuch, David M., review of his "life
 history of the Gambel quail in Ari-
 zona," 45
Goshawk, Western, 171
Grackle, 264
Grebe, Eared, 236
 Great Crested, 292
Holboell, 189
Horned, 234
Pied-billed, 236, 239, 243, 281
 Western, 178, 182, 234
Grinnell, J., the subspecific status of the
 Hutton vireo of Vancouver Island,
 40; winter wren and pileated wood-
 pecker on the Greenhorn Moun-
 tains, California, 44; review of
 Hellmayr's part VII of the cata-
 logue of birds of the Americas, 90;
 is the northwestern robin migra-
 tory?, 173
Grinnell, J., and Wm. H. Behle, comments
 upon the subspecies of *Catherpes*
 mexicanus, 247
Grosbeak, Black-headed, 93, 242
Evening, 41
- Pacific Black-headed*, 17
Pacific Evening, 40
Rocky Mountain, 236
Western Evening, 47, 236
- Grouse*, Blue, 182
 Columbian Sharp-tailed, 191
Franklin, 192
Gray Ruffed, 192
Ruffed, 204, 269, 276
Sharp-tailed, 184
Grus canadensis, 78
 canadensis tabida, 86
Guillemot, Pigeon, 13, 220
Gull, Black-backed, 215
 Bonaparte, 215
California, 26, 142, 143, 170, 171, 235
Delaware, 30
Franklin, 215
Glaucous, 215, 255
Glaucous-winged, 182, 215, 255
Heermann, 263
Herring, 85, 214, 215, 245
Nelson, 256
Ring-billed, 31, 32, 79, 245
Sabine, 245, 291
Short-billed, 170
Western, 37
- Gymnogyps californianus*, 5, 76, 170
- H
- Haliaeetus albicilla*, 208
 leucocephalus, 208
Hanna, Wilson C., Farallon rail nesting
 inland, 81; vermilion flycatcher in-
 creasing in Coachella Valley, Cali-
 fornia, 173; long-billed dowitcher
 breeding in Alaska, 287
Hargrave, Lyndon L., red-tailed hawk
 kills young turkey, 83; an additional
 record of the whistling swan in
 Arizona, 177; nine new birds from
 Williams, Arizona, 285
Harrier, Hen, 270
Hawk, American Rough-legged, 235
 Cooper, 77, 185, 186, 236, 240
Duck, 190, 225
Eastern Sparrow, 190, 191, 216
Ferruginous Rough-legged, 48, 176,
 240
Harris, 164
Large-billed, 215
Marsh, 77, 175, 187, 190, 233, 240,
 268-276
Pigeon, 201
Red-tailed, 83, 183, 210, 263, 269
Richardson Pigeon, 245
San Lucas Sparrow, 164
Sharp-shinned, 88, 171, 186, 235, 240
Sparrow, 172, 228, 229, 233, 264, 269
Swainson, 80, 236
Western Red-tailed, 240
Zone-tailed, 240

- Hayward, C. Lynn, the breeding status and migration of the Caspian tern in Utah, 140
- Hedymeles melanocephalus, 242
- Heleodytes brunneicapillus affinis, 167
brunneicapillus bryanti, 168
- Helianthus spencei, 24
- Helianthea bonapartii, 23
- Heliotrypha barrali, 24
- Hellmayr, Charles E., review of part VII of his catalogue of birds of the Americas, 90; notice of part VIII, 289
- Heron, Anthony Green, 239, 244
Black-crowned Night, 234
Great Blue, 183, 190, 239
Louisiana, 87
Treganza Great Blue, 26-35, 233
White, 48
- Hesperiphona vespertina brooksi, 40
- Himantopus mexicanus, 245
- Hirundo erythrogaster, 85
- Howard, Hildegarde, a new species of eagle from a Quaternary cave deposit in eastern Nevada, 206; the Rancho La Brea wood ibis, 251
- Huey, Laurence M., the Charleston Mountain blue-fronted jay at Castle Dome, Yuma County, Arizona, 257; a cackling goose record for Lower California, 285; second record for the Brewster booby on the west coast of Lower California, 287
- Hummingbird, Allen, 22, 95, 183, 219, 264
Anna, 22, 47, 182
Black-chinned, 22, 263, 264, 267
Blue-throated, 22
Broad-billed, 22
Broad-tailed, 22, 236
Buff-bellied, 22
Calliope, 22, 47
Costa, 22, 177
Lucifer, 22
Rivoli, 22
Ruby-throated, 22, 279
Ruby-topaz, 23
Rufous, 21, 24, 95, 187, 234
Xanthus, 166
- Hydranassa tricolor ruficollis, 87
- Hydroprogne caspia imperator, 140-144
- Hylocichla fuscescens salicicola, 273
- I**
- Ibis, White-faced Glossy, 239
Wood, 35, 47, 94, 251, 287
- Icteria virens, 287
virens longicauda, 242
- Icterus cucullatus nelsoni, 84, 242
- Iolaema luminosa, 23
- Iridoprocne bicolor, 216
- Ixobrychus exilis, 239
exilis hesperis, 86
- J**
- Jaeger, Pomarine, 236
- Jay, Arizona, 246
Black-headed, 170
Blue-fronted, 171, 172
California, 105, 137, 288, 289
Charleston Mountain Blue-fronted, 257
Coast, 288, 289
Piñon, 235
Rocky Mountain, 192
- Jenks, Randolph, Allan R. Phillips and Charles T. Vorhies, bird records from the Tucson region, Arizona, 243
- Jenks, Randolph and James Stevenson, breeding records of the catbird in Arizona, 81
- Jewett, Stanley G., the man-o'-war-bird off the Oregon coast, 212
- Johnson, Archibald, the common loon in Nevada, 286
- Junco, 235
Gray-headed, 247
Pink-sided, 242
Shufeldt, 82, 185, 242
Slate-colored, 82, 242
Thurber, 17
- Juncos caniceps, 247
hyemalis, 82, 242
mearnsi, 242
oreganus shufeldti, 242
- K**
- Kaeding, George L., notice of death, 96
- Kalmbach, E. R., review of his "western duck sickness a form of botulism," 90
- Kelly, Junea W., geologic factors in the distribution of birds, 11
- Kenyon, Karl W., two records for San Diego County, California, 169
- Killdeer, 82, 190, 241, 269, 285
- Kingbird, Arkansas, 88, 235
Eastern, 192, 235, 269
- Kingfisher, Western Belted, 233, 241, 285
- Kinglet, Ruby-crowned, 246
Western Golden-crowned, 87, 88, 192
Western Ruby-crowned, 192, 284
- Kinsey, Eric Campbell, parental instincts in black phoebes, 277
- Kite, White-tailed, 220
- Knot, 220, 264
- Kuhn, Uhl R., a food habit of the English sparrow, 284
- L**
- Lampornis clemenciae, 22
- Lark, Arctic Horned, 184
Desert Horned, 56-72, 233
Horned, 175, 184, 263, 287
Magdalena Horned, 167

- Pallid Horned, 184
 Wood, 175
- Larus argentatus*, 85
argentatus smithsonianus, 214, 245
californicus, 26-35, 142, 171
canus brachyrhynchus, 170
delawarensis, 30, 245
glaucus, 255
hyperboreus, 253
nelsoni, 256
- Leucosticte*, 82, 175
tephrocotis, 213
tephrocotis littoralis, 82, 213
tephrocotis tephrocotis, 213
- Limnodromus griseus scolopaceus*, 245, 287
- Limosa lapponica baueri*, 178
- Linnet, 177
- Lofberg, Lila M., random notes on raptors at Florence Lake, California, 171
- Long, W. S., three subspecies of birds not previously reported from Kansas, 39
- Longspur, Chestnut-collared, 56-72
 Lapland, 175, 286
 McCown, 56-72
- Loon, 170
 Common, 189, 286
 Lesser, 243
 Red-throated, 243
- Lophodytes cucullatus*, 86
- Lophornis adorabilis*, 24
- Lophortyx californica*, 78
californica achrusteria, 163
californica plumbea, 163
- M**
- Magpie, 238
 Black-billed, 233, 241
 Yellow-billed, 47
- Magpie-jay, 259
- Mallard, 176, 190, 239, 261
 Common, 233
 Domestic, 280
- Man-o'-war-bird, 212, 292
- Mareca americana*, 76, 239
- Martin, Purple, 246, 274, 291
- May, John B., notice of his hawks of North America, 219
- McCabe, T. T., and Alden H. Miller, racial differentiation in *Passerella (Melospiza) lincolni*, 144
- McCabe, Thomas T., and Elinor B. McCabe, ring-billed gull killed by a Canada goose, 79
- Meadowlark, 262, 273
 Western, 233
- Megacyrle alcyon caurina*, 241, 285
- Melanitta perspicillata*, 179
- Meleagris gallopavo merriami*, 285
- Mellisuga*, 24
minima, 23
- Melopelia asiatica mearnsi*, 245
- Melospiza georgiana*, 87
lincolni, 144-160
melodia, 188
melodia melodia, 269
- Merganser, American, 80, 235, 240, 244
 Hooded, 86, 235
 Red-breasted, 235, 244
- Mergus merganser americanus*, 80, 240, 244
serrator, 244
- Michael, Chas. W., nesting habits of cormorants, 36; the lesser yellow-legs near San Diego in winter, 42; feeding habits of the black-bellied plover in winter, 169; cowbirds appear in Yosemite, 178; nesting of the Williamson sapsucker, 209
- Michener, Harold, and Josephine R. Michener, mockingbirds, their territories and individualities, 97
- Microchera albocoronata*, 24
- Micropallas whitneyi*, 288
whitneyi sanfordi, 165
- Miller, Alden H., further comments on the cowbirds of the San Francisco Bay region, 217; review of Florence V. V. Dickey's familiar birds of the Pacific southwest, 260; the vocal apparatus of the elf owl and spotted screech owl, 288
- Miller, Alden H., and T. T. McCabe, racial differentiation in *Passerella (Melospiza) lincolni*, 144
- Miller, Loyal, a second avifauna from the McKittrick Pleistocene, 72; wintering hummers again, 177
- Mimus polyglottos leucopterus*, 97-140, 193, 242, 285
- Mniotilla varia*, 169
- Mockingbird, 97-140
 Western, 48, 193, 242, 285
- Molothrus ater*, 178, 217
 ater ater, 39, 269
 ater artemisiae, 39, 217
 ater californicus, 217
 ater obscurus, 217
- Morley, S. G., a note on passenger pigeons in the nineteenth century, 87
- Morphnus woodwardi*, 75, 208
- Munro, J. A., a Swainson hawk disaster, 80; Barrow golden-eye nesting in marmot's burrow, 82; coots attacked by herring gull, 85; black-headed jay mimicking loon, 170; recent records from British Columbia, 178; bird life at Horse Lake, British Columbia, 185; nesting colonies of the herring gull in British Columbia, 214; glaucous gull on the British Columbia coast, 255

- Murie, Adolph, and H. D. Bruce, some feeding habits of the western sand-piper, 258
- Murrelet, Ancient, 181
- Myadestes townsendi, 38, 285
- Mycteria americana, 35, 251, 287
wetmorei, 253
- Myiarchus cinerascens cinerascens, 241
- N
- Nannus hiemalis pacificus, 44
- Neogyps errans, 77
- Neophron tops americanus, 77
- Nephocetes niger borealis, 265-267
- Nettion carolinense, 76, 239
- Nice, Margaret Morse, portrait of, 90
- Nighthawk, Pacific, 176
San Lucas, 166
Western, 235
- Numenius americanus, 78
- Nutcracker, 173
Clark, 171
- Nuthatch, Pygmy, 288
Red-breasted, 48, 88, 193, 234
Rocky Mountain, 246
- Nycticorax nycticorax, 75
- Nyroca affinis, 76, 176, 240
americana, 240
collaris, 86
valisineria, 86
- O
- Oberholseria chlorura, 38
- Oreortyx picta confinis, 163
- Oreoscopetes montanus, 242
- Oriole, Arizona Hooded, 84, 182, 220, 242, 291
Bullock, 235, 291
- Osprey, 84, 189, 235
American, 164
- Otocoris, 175
alpestris, 287
alpestris enerterea, 167
alpestris leucomelaema, 57
- Otus asio, 288
asio cardonensis, 164
asio gilmani, 288
asio naevius, 269
asio quercurinus, 165
asio xantusi, 165
trichopsis, 288
- Ouzel, Water, 48, 291
- Owl, Burrowing, 175, 235, 241
Dwarf Horned, 165
Elf, 288
Great Horned, 269
Horned, 55, 288
Hoskins Pigmy, 165
Long-eared, 233
Pigmy, 16, 192, 210, 288
Sanford Elf, 165
Saw-whet, 82, 83, 172, 235
Screech, 16, 164, 269, 291
- Short-eared, 86, 175, 233, 241
Snowy, 175
- Spotted, 55, 292
- Spotted Screech, 288
- Western Burrowing, 285
- Xantus Screech, 165, 168
- Oxyechus vociferus, 241, 285
vociferus vociferus, 269
- Oxygonon, 24
- P
- Pandion haliaetus carolinensis, 84, 164
- Parabuteo unicinctus harrisi, 164
- Parapavo, 78
- Parrot, Thick-billed, 18-21
- Passer domesticus, 284
- Passerculus sandwichensis nevadensis, 39
sandwichensis savanna, 273
- Passerella georgiana, 145
iliaca, 145, 160
iliaca canescens, 247
iliaca schistacea, 247
lincolni, 144-160
lincolni alticola, 156-160
lincolni gracilis, 149-160
lincolni lincolni, 146-160
melodia, 145
- Passerina amoena, 242
versicolor pulchra, 167
- Patagona gigas, 23
- Pelecanus erythrorhynchos, 26-35, 243
- Pelican, White, 26-35, 182, 183, 234, 243
- Pemberton, J. R., wood ibis near Death Valley, 287
- Peters, James Lee, review of volume II of his check-list of birds of the world, 89
- Peterson, James, western tanager nesting in Alum Rock Park, San Jose, 286
- Petrochelidon, 73
- Pewee, Western Wood, 185, 234, 286
- Phainopepla, 177, 242, 291
nitens lepida, 242
- Phalacrocorax auritus, 26
auritus albociliatus, 32, 36, 244
auritus auritus, 32
penicillatus, 36
- Phalaenoptilus nuttallii, 165, 241
nuttallii californicus, 49-55, 254
- Phalarope, Northern, 220, 236
Wilson, 236, 241
- Phasianus colchicus torquatus, 269, 272
- Pheasant, Ring-necked, 211, 269, 272, 274-276
- Philacte, 44
- Phillips, Allan R., notes from the Santa Catalina Mountains, Arizona, 88
- Phillips, Allan R., notes from the Santa Randolph Jenks, bird records from the Tucson region, Arizona, 243
- Phoebe, Black, 88, 261, 277, 278
San Jose Say, 166
Say, 235

- Pica pica hudsonia*, 241
 Pickens, A. L., geographical distribution and display colors of Trochilidae, 21; studies in avian color reaction, 279
 Pickwell, Gayle B., note concerning his science guide for elementary schools dealing with birds, 218
 Pierce, Wright M., experiences with prairie falcons, 225
Pigeon, Band-tailed, 82, 183, 285
 Passenger, 87
 Rock, 175
Pintail, 239
 American, 234
Pipit, American, 184, 287
 Tree, 175
Pipilo erythrophthalmus erythrophthalmus, 273
 maculatus magnirostris, 167
Piranga ludoviciana, 242, 286
Pisobia minutilla, 241
Pitangus sulphuratus derbianus, 259
Pithecophaga, 208
Plectrophenax nivalis, 174, 286
Plegadis guarauna, 239
Plover, Black-bellied, 42, 43, 84, 169
 Common American Golden, 162
 Mountain, 200
 Snowy, 93
 Upland, 269
Pluvialis dominica dominica, 162
Podilymbus podiceps, 239, 281
 podiceps podiceps, 243
Polyborus cheriway, 77
 cheriway auduboni, 164
Pooecetes gramineus gramineus, 269
Poor-will, 48, 165, 254
 Dusty, 49-55
 Nuttall, 241
Porzana carolina, 81, 240, 285
 Potter, Laurence B., snow buntings perching on trees, 174 ;the rosy finch in Saskatchewan, 213; nesting of the yellow-breasted chat in Saskatchewan, 287
 Presnall, C. C., altitudinal migration in southern Utah, 37; a creeper foraging head downward, 39; four new records from Zion National Park, Utah, 82
Progne subis subis, 246
Psaltriparus minimus, 254
 minimus californicus, 254
 minimus cecaumenorum, 254
 minimus grindae, 168
 minimus minimus, 257
 minimus plumbeus, 254
Ptarmigan, White-tailed, 184
Pyrocephalus rubinus mexicanus, 84, 173, 241
- Q**
- Quail, Gambel, 45
 Mountain, 16
 San Lucas California, 163
 San Pedro Mártir Mountain, 163
 San Quintín California, 163
 Quaintance, Charles W., water ouzel nests on Black River, Arizona, 43; notes from central eastern Arizona, 83
Querquedula cyanoptera, 76, 239
 discors, 239
- R**
- Rail, Belding Clapper, 163
 Clapper, 183
 Farallon Black, 81
 Virginia, 81, 87
Rallus beldingi, 163
 limicola, 81, 87
Raven, 170, 238
 American, 235, 242
Recurvirostra americana, 31, 78, 84, 241
Redhead, 234, 240
Redpoll, Common, 87
Redstart, Painted, 84
Red-wing, Giant, 187, 190
 Nevada, 233
Regulus satrapa olivaceus, 87, 88
Rhynchositta pachyrhyncha, 18-21
Ritter, William E., definition of a naturalist, 45
Road-runner, 219, 241
 California, 165
 Robertson, John McB., Lewis woodpecker in Death Valley, 173; bush-tits "shadow-boxing", 257
Robin, 162
 Eastern American, 161
 Northwestern, 173
 Southern, 162
 Western, 185, 235
 Rowley, J. Stuart, notes on some birds of Lower California, Mexico, 163
Rupornis, 215
Rynchophanes mccownii, 64
- S**
- Salpinctes obsoletus*, 248
Sanderling, 95, 236
Sandpiper, Baird, 219
 Eastern, 199
 Least, 169, 190, 234, 241
 Solitary, 190, 199, 200
 Spotted, 189, 235, 241
 Stilt, 236
 Western, 199, 258
 Western Solitary, 39, 236, 241
Sapsucker, Red-breasted, 210
 Red-naped, 193, 235
 Williamson, 209, 210
Saunders, Aretas A., review of his guide to bird songs, 180

- Sayornis nigricans, 88, 277, 278
saya quiescens, 166
- Scaup, Greater, 236
 Lesser, 235
- Scheffer, Theo. H., the English skylark on Vancouver Island, 256
- Scoter, Surf, 179
- Seiurus noveboracensis notabilis, 246
- Selasphorus allenii, 22
platycercus, 22
rufus, 21
- Setophaga picta picta, 84
- Shoveller, 234, 239, 240
- Shrike, Loggerhead, 235
 Northern, 92, 184
- Sialia currucoides, 177, 242
mexicana occidentalis, 177, 242
sialis sialis, 273
- Siskin, Northern Pine, 192
 Pine, 93
- Sitta canadensis, 88
carolinensis nelsoni, 246
pygmaea pygmaea, 288
- Skylark, English, 256
- Smith, Austin, magpie-jay robs nest of derby flycatcher, 259
- Smith, Clarence F., observations on a captive pygmy owl, 210
- Snipe, Wilson, 187, 190, 233, 241
- Solitaire, Townsend, 38, 285, 291
- Sora, 81, 240, 285
- Sparrow, Bell, 93
 Black-chinned, 93, 283
 Brewer, 235
 Clay-colored, 269
 English, 184, 226, 284
 Fox, 145
 Gambel, 234
 Golden-crowned, 17, 184
 Lincoln, 144-160, 187, 188
 Mountain Song, 233
 Nevada Savannah, 39
 Savannah, 93, 235, 273
 Slate-colored Fox, 247
 Song, 93, 145, 183, 187, 188, 269
 Swamp, 87
 Timberline, 178
 Vesper, 269
 Western Chipping, 185, 235
 Western Lark, 235
 Western Savannah, 39, 187, 191
 Western Tree, 235
 Western Vesper, 191, 235
 White-crowned, 183, 242, 291
 White-throated, 178, 183
- Spatula clypeata, 76, 239
- Speotyto cunicularia, 79
cunicularia hypugaea, 241, 285
- Sphyrapicus ruber, 186
thyroideus, 209
varius nuchalis, 186
- Spinites atrogularis, 282, 284
- Spinus tristis tristis, 269
- Spiza americana, 38
- Spizaëtus, 208
bellicosus, 207
grinnelli, 75
willetti, 207
- Spizella atrogularis, 282-284
atrogularis atrogularis, 283, 284
atrogularis cana, 283, 284
atrogularis caurina, 283, 284
atrogularis evura, 283, 284
breweri taverneri, 178
cana, 283
evura, 282, 283
pallida, 269
- Spoonbill, Roseate, 292
- Squatarola squatarola, 84, 169
- Steganopus tricolor, 241
- Stellula calliope, 22
- Stevenson, James, and Randolph Jenks, breeding records of the catbird in Arizona, 81
- Stilt, Black-necked, 235, 245, 247
- Strix, 288
- Struthus atrimentalis, 282, 284
- Sturnella magna magna, 273
neglecta, 273
- Sudgen, John W., notice of death of, 290
- Sula brewsteri, 287
- Sumner, E. L. Sr., records of green-tailed towhees in the San Francisco Bay region, 38
- Swallow, Bank, 14, 235
 Barn, 84, 85, 235
 Cliff, 14, 186, 235, 259
 Tree, 181, 216, 236
 Violet-green, 236
- Swan, Whistling, 86, 177, 178, 212
- Swarth, H. S., review of Gorsuch on life history of the Gambel quail in Arizona, 45; a barn swallow's nest on a moving train, 84; systematic status of some northwestern birds, 199; notice of death of, 289
- Swift, Black, 265-267
 White-throated, 14, 219
- T**
- Tanager, Cooper, 292
 Western, 236, 242, 286, 291
- Tattler, Wandering, 220
- Taverner, P. A., vernacular names again, 85; continental land masses and their effect upon bird life, 160; review of his "birds of Canada", 179; variability in size of gulls, 215; portrait of, 180
- Taylor, Walter P., review of his "significance of extreme or intermittent conditions in distribution of species

- and management of natural resources", 89
 Taylor, Walter P., and Charles T. Vorhies, a second occurrence of the white-fronted goose in Arizona, 175
 Teal, Blue-winged, 236, 238
 Cinnamon, 235, 237, 239
 Green-winged, 235, 239
 Teratornis, 76
 merriami, 76
 Tern, Black, 86, 190, 236, 237, 245, 247
 Caspian, 140-144, 234, 237
 Forster, 235
 Tetrao richardsoni, 204
 sabini, 204
 Thalassoaëtus pelagicus, 207, 208
 Thrasaëtus, 208
 Thrasher, 127
 Brown, 269
 Cape San Lucas, 167
 Leconte, 183
 Mearns San Lucas, 167
 Sage, 235, 242
 Santa Rosalia Leconte, 167
 Thrush, Audubon Hermit, 234, 237
 Hermit, 93
 Russet-backed, 93
 Sierra Hermit, 185
 Willow, 273
 Titmouse, Bridled, 84
 Topaza pyra, 23
 Totanus flavipes, 42, 86
 melanoleucus, 42, 78, 241
 solitarius cinnamomeus, 199
 Towhee, Brown, 262
 Green-tailed, 38, 47
 Large-billed Spotted, 167
 Red-eyed, 273
 Spotted, 93
 Toxostoma cinereum cinereum, 167
 cinereum mearnsi, 167
 dorsale, 258
 lecontei arenicola, 167
 redivivum, 258
 rufum, 269
 Tringa solitaria, 199, 200
 solitaria cinnamomea, 39, 199, 241
 solitaria solitaria, 199
 Turdus migratorius achrusterus, 162
 migratorius caurinus, 173
 migratorius migratorius, 162
 migratorius propinquus, 174
 Turkey, Merriam, 285
 Tympanuchus cupido americanus, 269
 Tyrannus tyrannus, 269
 verticalis, 88

U

Urubitinga fragilis, 77, 207

- V
- Van Rossem, A. J., a new name for the large-billed hawk of western Costa Rica and Panama, 215; a note on the color of the eye of the Bush-tit, 254; notes on the forms of *Spizella atrogularis*, 282

- Verdin, 177
 Vermivora celata, 88, 202, 242
 celata celata, 202, 203
 celata lutescens, 202
 celata orestera, 202, 246
 ruficapilla ridgwayi, 242
 Vireo, Arizona, 246
 Cassin, 17, 178, 185
 Hutton, 40
 Red-eyed, 135, 185
 San Lucas Hutton, 167
 San Lucas Solitary, 167
 Stephens, 246
 Warbling, 93, 269
 Western Warbling, 17, 88, 234, 237

- Vireo gilvus gilvus, 269
 gilvus swainsonii, 88
 huttoni, 40
 huttoni cognatus, 167
 huttoni huttoni, 40
 huttoni insularis, 40
 huttoni obscurus, 40
 solitarius cassini, 178
 solitarius lucasanus, 167

- Von Bloeker, Jack C., Jr., flickers and jays feeding on scarab beetles in flight, 288

- Vorhies, Charles T., portrait of, 290

- Vorhies, Charles T., Randolph Jenks, and Allan R. Phillips, bird records from the Tucson region, Arizona, 243

- Vorhies, Charles T., and Walter P. Taylor, a second occurrence of the white-fronted goose in Arizona, 175

- Vultur clarki, 206

- Vulture, Black, 244, 264
 Mexican Turkey, 176
 Northern Turkey, 163
 Turkey, 47, 93

W

- Walker, Alex., the snowy egret in Oregon, 80

- Warbler, Audubon, 17, 47, 193, 234, 237
 Black and White, 169
 Black-throated Gray, 246
 Calaveras, 242
 Dusky, 95
 Eastern Yellow, 187, 190
 Hermit, 219
 Lutescent, 17, 95, 183
 Macgillivray, 256
 Northern Pileolated, 242

- Orange-crowned, 88, 186, 192, 202, 242, 246
Pileolated, 93, 234
Tennessee, 186
Townsend, 95, 171, 186, 236
Yellow, 93, 95, 187, 203, 235, 269
- Water-thrush, Grinnell, 187, 246
Waxwing, Cedar, 187, 221, 236, 242
Wetmore, Alexander, the thick-billed parrot in southern Arizona, 18; the Mexican turkey vulture in the United States, 176
Wetmoregyps daggetti, 75
Weydemeyer, Winton, winter occurrence of the western bluebird and the mountain bluebird in Montana, 177; efficiency of nesting of the tree swallow, 216
- Willet, 42
Western, 235
Wilsonia pusilla pileolata, 242
Wing, Leonard William, on the drinking habits of gallinaceous young, 211
Woodpecker, Batchelder, 192
California, 137
Gila, 167
Hairy, 16
Imperial, 21
Lewis, 48, 173, 245
Pileated, 44
- Rocky Mountain Hairy, 186, 236
San Fernando Gila, 165
San Lucas, 165
San Lucas Gila, 165
Western Pileated, 45, 192
- Wren, Cañon, 248
Marsh, 237
Rock, 248
San Lucas Cactus, 167
Western House, 17, 236
Western Marsh, 235
Western Winter, 44
Winter, 44, 95
- Wright, George M., portrait of, 218
- X
- Xema sabini, 245
- Y
- Yellow-legs, 43
Greater, 42, 190, 234, 241
Lesser, 42, 86, 190, 234
- Yellow-throat, Northern, 269
Western, 187, 190
- Z
- Zenaidura macroura, 78
macroura marginella, 163, 269, 273
Zonotrichia albicollis, 178
leucophrys, 242