

INDEX TO VOLUME XLII

A

- Abbott, Clinton G., household road-runners, 119;
mountain plover at San Diego, California,
125; notes from the Salton Sea, Califor-
nia, 264
- Accipiter atricapillus*, 169, 220
 cooperii, 39
 gentilis atricapillus, 100-103
 striatus, 259
 striatus perobscurus, 123
 striatus velox, 123
 velox, 168
- Aechmophorus occidentalis*, 248
- Aethia cristatella*, 199
 pusilla, 199
- Agelaioides badius*, 273, 274
- Agelaius phoeniceus*, 165, 168, 274, 275
 phoeniceus caurinus, 214
 tricolor, 273-275, 280
- Agriocharis ocellata*, 156
- Aix sponsa*, 169, 170
- Albatross, Black-footed, 229-238, 309
 Short-tailed, 231
- Alcorn, J. R., new and noteworthy records of
 birds for the state of Nevada, 169
- Aldrich, Elmer C., notes on the birds of Crater
 Lake National Park, Oregon, 89
- Allen, Amelia S., an albino eared grebe, 127;
 migrating vesper sparrows at Santa Cruz,
 California, 128
- Amazona viridigenalis*, 260
- Amblycercus holosericus*, 272
- Ammodramus savannarum perpallidus*, 262
- Amphispiza belli nevadensis*, 165
 bilineata deserticola, 250, 305
- Anas platyrhynchos*, 250, 270
- Ani, smooth-billed, 273, 275, 276
- Anser, 272
 albifrons, 169
- Antbird, Tyrannine, 272
- Antrastomus salvini*, 260
- Aphelocoma californica woodhousei*, 103
- Aquila chrysaetos canadensis*, 39, 221
- Aratinga holochlora*, 260
- Archilochus alexandri*, 207
- Arctonetta fischeri*, 309
- Ardea cinerea*, 273, 278
 herodias, 248
 herodias fannini, 123
- Arremonops rufivirgatus*, 262
- Ashby, Dennis, a record of the eastern mocking-
 bird in British Columbia, 266
- Ashcraft, Granville, barnacles on birds, 218
- Asio wilsonianus*, 40
- Astur atricapillus*, 157-160
 atricapillus laingi, 160
 atricapillus striatulus, 157
 gentilis, 159
 gentilis albidus, 159
- Asyndesmus lewis*, 214
- Auklet, Crested, 199
 Least, 199
 Paroquet, 199, 222
- Avocet, 273

B

- Bailey, Alfred M., and Fred G. Brandenburg, the
 snowy plover in Colorado, 128
- Bailey, Florence Merriam and Vernon Bailey,
 portraits of, 267
- Balanosphyra formicivora*, 276
- Behle, William H., extension of range of the
 black-chinned sparrow into Utah, 224
- Belonopterus chilensis*, 272
- Bene, Frank, rhythm in the brooding and feed-
 ing routine of the black-chinned hum-
 mingbird, 207
- Bittern, 273, 275
 American, 123
 Least, 169
- Blackbird, Brewer, 49, 151, 152, 205, 273, 274
 Red-winged, 86, 168, 274, 275
 Sumichrast, 262
 Tricolored Red-winged, 273-275, 280
 Yellow-headed, 273, 274, 275
- Blackcock, 269, 275, 278, 281
- Bluebird, Mexican, 162
 Mountain, 89, 168
 Western, 125, 206, 214
- Bob-white, 270, 273
 Spotted-breasted, 260
- Bombycilla, 273
 cedrorum, 214, 261
 garrula, 128
- Bonasa umbellus*, 270, 273, 276
- Bond, Richard M., a goshawk nest in the Upper
 Sonoran Life-zone, 100; sleeping posture
 of the rock wren, 122; food habits of
 horned owls in the Pahranaagat Valley,
 Nevada, 164; food habits of the white-
 tailed kite, 168; new bird records for Lin-
 coln County, Nevada, 220; birds of Ana-
 ho Island, Pyramid Lake, Nevada, 246
- Borell, A. E., starlings arrive in the Rio Grande
 Valley of New Mexico, 86
- Botaurus stellaris*, 273, 275
 lentiginosus lentiginosus, 123
- Brandenburg, Fred G., and Alfred M. Bailey,
 the snowy plover in Colorado, 128
- Branta canadensis*, 277
 canadensis canadensis, 88, 250
- Brodkorb, Pierce, some birds from the Bulkley
 River, British Columbia, 123

- Brooks, Allan, the clapper rail of Morro Bay, 126
 Bryant, Harold C., the spotted owl nesting in the sequoia belt, 307
Bubo virginianus, 73
 virginianus occidentalis, 164, 221
 virginianus pacificus, 40
 virginianus saturatus, 124
 Budgerigar, 282
 Bunting, Bright Blue, 262
 Corn, 275
 Lark, 265, 307
 Snow, 278
 Varied, 262
 Burleigh, Thomas D., and George Miksch Sutton, birds of Valles, San Luis Potosí, Mexico, 259
 Bush-tit, 85, 163, 168, 205, 273
 Bustard, Great, 269, 275
Buteo borealis calurus, 39, 221
 magnirostris griseocauda, 259
 swainsoni, 128, 220
Butorides virescens anthonyi, 169, 220
Bycanistes cristatus, 272
- C**
- Cacique, Prevost, 272
Cairina moschata, 275, 276
Calamospiza melanocorys, 265, 307
Calopezus elegans, 270
Calypte anna, 86, 263, 305
 Camras, Sidney, comment on a Californian record of the western tree sparrow, 307
Canachites canadensis, 270, 273
Capella delicata, 221
 media, 269
 Caracara, Audubon, 259
 Cardinal, 262, 271
Carduelis, 273
Carpodacus mexicanus frontalis, 169
 mexicanus grinnelli, 140-153
 purpureus californicus, 126
 purpureus purpureus, 140
Cassidix mexicanus, 262, 270, 273-275
Cathartes aura, 259
 aura teter, 250
Catoptrophorus semipalmatus, 273
Centrocercus urophasianus, 220, 269
Centurus aurifrons, 260
Ceophloeus lineatus, 260
Cephus columba, 199
Cercomacra tyrannina, 272
Certhia familiaris, 271
 Chachalaca, 259
 Chaffinch, 279
Chamaea fasciata, 127, 271
Charadrius dubius, 273
 nivosus nivosus, 128, 221
 Chat, Long-tailed, 85
 Yellow-breasted, 261
Chauelasmus streperus, 250
Chauna chavaria, 112
 cristata, 112
 Chickadee, Mountain, 161, 162, 245
 Oregon, 222
Chlidonias nigra surinamensis, 221
Chondestes grammacus strigatus, 82
Chordeiles minor, 260
Ciconia ciconia, 271
Cinclus mexicanus unicolor, 124
Circus hudsonius, 296
Clangula hyemalis, 199
Coccothraustes, 273
 Cock-of-the-rock, 269
Colaptes, 76, 245
 auratus, 77, 280
 auratus borealis, 124
 cafer, 77, 260
 cafer collaris, 103
Colinus virginianus, 270, 273, 274
 virginianus maculatus, 260
Coloeus monedula, 271
Columba fasciata fasciata, 213, 266
 flaviostris, 260
Columbigallina passerina, 260
Colymbus auritus, 170
 grisegena, 170
 nigricollis, 170
 nigricollis californicus, 127
Compothlypis pitiayumi nigrilora, 261
 Compton, Lawrence V., the osprey in New Mexico, 90
 Cooper Ornithological Club, fourteenth annual meeting, 92, 129, 226; board of directors, annual meeting, 228; board of governors, annual meeting, 228; membership directory, 173-188; regular monthly meetings, minutes of, 92, 129, 171, 225, 267, 310
 Coot, American, 265
Coragyps atratus, 223, 259
 Cormorant, 198, 199
 Brandt, 192
 Double-crested, 88, 89, 220, 248
Corvus brachyrhynchos hesperis, 287-294
 corax, 199
 corax sinuatus, 250
 corone, 271
 imparatus, 261
 Cowan, Ian McTaggart, winter occurrence of summer birds on Vancouver Island, British Columbia, 213
 Cowbird, 270, 273, 275
 Bay-winged, 273, 274
 Dwarf, 206
 Red-eyed, 262
 Crane, Little Brown, 264
 Sandhill, 264
 Creeper, Brown, 206, 271
 Crossbill, Red, 90, 219, 221
Crotophaga ani, 273, 275, 276
 Crow, Carrion, 271
 Mexican, 261
 Western, 287-294
Cryptoglaux acadica acadica, 170, 306
Crypturus, 270, 272, 275
Crypturellus cinnamomeus mexicanus, 259

Cuckoo, European, 270, 275
 Cuculus canorus, 270-275
 Curlew, Long-billed, 221
 Cyanocephalus cyanocephalus, 221
 Cyanocompsa parellina lucida, 262
 Cyclorhynchus psittacula, 199, 222
 Cygnus olor, 272, 277

D

Dafila acuta, 199
 acuta tzitzihoa, 220
 Davis, John M., random notes from the Humboldt Bay area, 222
 Davis, William B., birds of Brazos County, Texas, 81; gas flares and birds, 127
 DeMay, Ida S., a study of the pterylosis and pneumaticity of the screamer, 112
 Dendragapus, 270, 273
 obscurus obscurus, 220
 Dendroica aestiva, 168
 aestiva rubiginosa, 221
 auduboni, 163, 168, 214, 261
 coronata, 261
 magnolia, 127
 virens, 261
 virginiae, 163
 Dickcissel, 125
 Diomedea albatrus, 231
 nigripes, 229-238, 309
 Diphylodes magnificus, 270
 Dives dives dives, 262
 Dove, Ground, 260
 Inca, 260
 Mourning, 165, 220, 233
 Western Mourning, 85, 219, 260
 White-fronted, 260
 White-winged, 260, 266
 Dowitcher, 61-63
 Eastern, 63
 Long-billed, 63
 Dryobates major, 271
 nuttallii, 223
 scalaris symplectus, 260
 villosus leucothorectis, 162
 Duck, 198, 199
 Harlequin, 198, 199
 Muscovy, 275, 276
 Wood, 169, 170

E

Eagle, Bald, 90, 166, 199
 Golden, 39, 166, 221
 Northern Bald, 198
 Southern Bald, 170, 265
 Egret, Brewster, 220
 Egretta thula brewsteri, 220
 Eider, King, 305, 309
 Pacific, 198, 199, 309
 Spectacled, 309
 Elanus leucurus, 295-304
 leucurus majusculus, 106, 168
 Emberiza calandra, 275
 Emlen, John T., Jr., the midwinter distribution of the crow in California, 287

Empidonax, 168, 261
 griseus, 221
 England, E. G., a nest of the Arctic three-toed woodpecker, 242
 Ereunetes mauri, 123, 219
 Erithacus rubecula, 270, 274, 278
 Euphagus cyanocephalus, 82, 165, 273, 274
 Euphonia, Bonaparte, 262
 Lesson, 262
 Euplectes hordeacea, 270, 275
 nigroventris, 270, 273, 275
 Eupoda montana, 125

F

Falco columbarius suckleyi, 222, 266
 mexicanus, 90, 221
 peregrinus, 272
 peregrinus anatum, 90, 166
 peregrinus calidus, 166
 sparverius, 39, 104, 259
 sparverius phalaena, 218
 Falcon, Peregrine, 272
 Prairie, 90, 221
 Siberian Peregrine, 166
 Ferris, Reed W., eight years of banding of western gulls, 189
 Fieldfare, 273
 Finch, California Purple, 205
 Cassin Purple, 219
 House, 85, 140-153, 169, 205
 Purple, 126, 140
 Rosy, 89
 Sierra Nevada Rosy, 64-72, 133-139
 Fisher, Walter K., when Joseph Grinnell and I were young, 35
 Fitch, Henry S., some observations on horned owl nests, 73
 Flicker, 76, 245
 Boreal, 124
 Red-shafted, 89, 103, 205, 260
 Flycatcher, Ash-throated, 85
 Coues, 261
 Derby, 260
 Giraud, 260
 Gray, 221
 Lawrence, 260
 Mexican Boat-billed, 260
 Northern Tody, 272
 Olive-sided, 206
 Traill, 206
 Vermilion, 85, 218
 Western, 206
 Fowl, Mallee, 272
 Fraser, T., and L. Zerlang, a large set of the black oyster-catcher, 264
 Fratercula corniculata, 199
 Fringilla coelebs, 279
 Fulica americana americana, 265
 Fulmar, 198, 199
 Pacific, 218
 Fulmarus glacialis, 198, 199
 glacialis rogersii, 218

G

- Gadwall, 250
 Galerida cristata, 271
 Gallinula chloropus, 272, 273, 276
 chloropus cachinnans, 170
 Gallinule, Florida, 170
 Gavia immer elasson, 122
 Gelochelidon nilotica aranea, 265
 Geococcyx californianus, 119-121
 Geospiza fuliginosa, 280
 Geospizinae, 239
 Geothlypis trichas, 168
 trichas sinuosa, 222
 Gilman, M. French, portrait of, 225
 Glaucidium brasilianum, 260
 Glaucionetta clangula americana, 63
 Gnatcatcher, Blue-gray, 261
 Western, 163
 Godwit, Marbled, 170
 Goldfinch, Green-backed, 205
 Lawrence, 206
 Goose, Canada, 250, 277
 Emperor, 199, 222
 White-fronted, 169
 Goshawk, 71, 100-103, 169, 220
 American, 157-160
 Queen Charlotte, 160
 Western, 157
 Grackle, Boat-tailed, 270, 273-275
 Bronzed, 170
 Great-tailed, 84, 262
 Graham, J. Duncan, bush-tit nesting in vicinity
 of marshes, 168; an unusually low nest of
 the Nuttall woodpecker, 223
 Grassquit, Mexican, 262
 Grebe, Eared, 127, 170
 Great Crested, 273, 274, 276, 281
 Horned, 170
 Little, 272
 Western, 248
 Grinnell, Hilda Wood, Joseph Grinnell: 1877-
 1939, 3
 Grinnell, Joseph, boyhood, ambitions, manhood,
 accomplishments, 3-18; animals named
 after, 18-19; bibliography of, 19-34; so-
 cieties and committees with which affili-
 ated, 18; dedication, 91; When Joseph
 Grinnell and I were Young, 35-38
 Grosbeak, Black-headed, 206
 British Columbia Evening, 124
 Crimson-collared, 262
 Evening, 163, 219
 Western Blue, 85
 Grouse, Dusky, 220
 Ruffed, 270, 276, 278
 Sharp-tailed, 168, 269
 Spruce, 270
 Grus canadensis canadensis, 264
 canadensis tabida, 264
 Guillemot, Pigeon, 199
 Gull, Black-headed, 272
 Bonaparte, 170

- California, 87, 90, 205, 250
 Glaucous, 199
 Glaucous-winged, 87, 198, 199, 206
 Herring, 124, 170, 272
 Sabine, 222
 Western, 87
 Gymnorhinus cyanocephalus, 103, 222

H

- Haematopus bachmani, 264
 ostralegus, 273, 274, 282
 Haliaeetus leucocephalus, 90, 199
 leucocephalus alascanus, 198
 leucocephalus leucocephalus, 170, 265
 Hall, Edward M., a saw-whet owl nest on Mount
 Pinos, California, 306
 Hall, E. Raymond, an ancient nesting site of the
 white pelican in Nevada, 87
 Hann, H. H., records of the tule wren and black-
 footed albatross in Oregon, 309
 Hanna, Wilson C., rufous-necked sandpiper nest-
 ing on Seward Peninsula, Alaska, 122; Si-
 berian peregrine falcon in North America,
 166; desert sparrow hawk and Pasadena
 screech owl in the same nest, 218; lark
 bunting in Riverside and San Bernardino
 counties, California, 265; black-crowned
 night heron nesting in San Bernardino
 mountains, 306
 Hawbecker, Albert C., the nesting of the white-
 tailed kite in southern Santa Cruz County,
 California, 106; killdeer swimming, 222
 Hawk, Black Pigeon, 222, 266
 Cooper, 39, 71, 100
 Desert Sparrow, 218
 Duck, 90
 Gray-tailed Hawk, 259
 Harris, 128
 Marsh, 108, 296
 Northwest Coast Sharp-shinned, 123
 Red-tailed, 39, 108, 166, 221
 Rough-legged, 166
 Sharp-shinned, 49, 71, 82, 123, 168, 259
 Sparrow, 39, 71, 104, 108, 206, 259, 306
 Swainson, 128, 166, 220
 Hemphill, Donald, and Charles G. Sibley, plain
 titmouse occupies cliff swallow nest, 224
 Hen, Sage, 220, 269
 Heron, Anthony Green, 169
 Black-crowned Night, 83, 306
 Blue, 248
 Common, 278, 279
 Green, 220
 Night, 277
 Northwestern Coast, 123
 Hesperiphona vespertina brooksi, 124, 163
 Himantopus mexicanus, 221
 Hirundo erythrogaster, 273
 Histrionicus histrionicus, 198, 199
 Howard, Hildegard, a new race of caracara from
 the Pleistocene of Mexico, 41
 Huey, Laurence M., black and white warbler in
 northern Lower California, 306

- Hummingbird, Allen, 206
 Anna, 86, 205, 263, 305
 Black-throated Copper-tailed, 251-254
 Broad-tailed, 162
 Rufous, 89, 206
- Hyde, A. S., western mockingbird and desert sparrow in southeastern Oregon, 305
- Hydrobates, 237
- Hydroprogne caspia imperator, 265
- Hyalocichla guttata, 168, 214, 261
 guttata auduboni, 221
 guttata polionota, 162
- I**
- Ibis, White-faced Glossy, 220
 Wood, 122
- Icterus cucullatus cucullatus, 262
 graduacauda, 262
 gularis, 262
- Ingles, Lloyd C., some observations and experiments bearing upon the predation of the sparrow hawk, 104
- Ixobrychus exilis hesperis, 169
- Ixoreus naevius, 164
- J**
- Jackdaw, 271, 276
- Jaeger, Long-tailed, 233
 Parasitic, 222
 Pomarine, 238
- Jay, Brown, 261
 California, 49, 152, 205
 Canada, 124
 Coast Steller, 206
 Green, 261
 Pifion, 103, 221, 222
 Woodhouse, 101, 103
- Jewett, Stanley G., Wilson phalaropes and avocets at Abert Lake, Oregon, 124; Bendire thrasher in Lincoln County, Nevada, 126; the Arctic tern at Portland and Diamond Lake, Oregon, 164; the house finch in western Oregon, 169; the lark bunting in southern Nevada, 307
- Junco, Gray-headed, 163, 221
 Oregon, 93-99, 168, 205
 Shufeldt, 169
 Sierra, 70
 Slate-colored, 222
- Junco caniceps caniceps, 163, 221
 hyemalis connectens, 98
 hyemalis hyemalis, 222
 oreganus, 93-99, 168
 oreganus montanus, 94
 oreganus oreganus, 93
 oreganus pinosus, 94
 oreganus shufeldti, 93
 oreganus thurberi, 70, 94
- K**
- Kenyon, Karl W., black vultures perch on telephone wires, 222; an observation on the feeding of the southern bald eagle, 265
- Killdeer, 206, 221, 222, 250
- Kingbird, 261
- Kingfisher, Belted, 221
- Kinglet, Golden-crowned, 206
 Ruby-crowned, 206
 Western Ruby-crowned, 263
- Kite, White-tailed, 106, 168, 295-304, 310
- Kittiwake, 198, 199
 Pacific, 222
- L**
- Lack, David, variation in the introduced English sparrow, 239; pair-formation in birds, 269
- Lagopus rupestris, 199
- Lanius ludovicianus, 140, 271, 274
 ludovicianus mexicanus, 261
 ludovicianus nevadensis, 89
- Lapwing, 273, 274
- Lark, Crested, 271
 Horned, 221
- Larus argentatus, 170, 272
 argentatus smithsonianus, 124
 californicus, 87, 90, 250
 delawarensis, 90
 glaucescens, 87, 198, 199
 hyperboreus, 199
 occidentalis occidentalis, 87, 189-197
 occidentalis wymani, 87
 philadelphia, 170
 ridibundus, 272
- Leipoa ocellata, 272
- Leptotila verreauxi angelica, 260
- Leucosticte, 273
 tephrocotis dawsoni, 64-72, 133-139
- Limnodromus griseus, 61
 griseus griseus, 63
 griseus hendersoni, 61
 griseus scolopaceus, 63
 scolopaceus, 61
- Limosa fedoa, 170
 scolopacea, 61, 62
- Lockerbie, C. W., solitaire distress calls, 127
- Long, W. S., lesser loon and wood ibis in Utah, 122
- Loon, Lesser, 122
- Lophodytes cucullatus, 169, 266
- Lophortyx, 270, 273, 274
- Lophortyx gambelii, 165
 gambelii gambelii, 221
- Loxia, 273
 curvirostra, 90, 219, 221
- Lunda cirrhata, 199
- Lyrurus tetrix, 269, 273, 275, 278, 281, 282
- M**
- Macgregoria pulchra, 270
- Magpie, 271
- Mallard, Common, 250, 270
- Manacus vitellinus, 269, 273
- Manakin, Gould, 269
- Manucodia ater, 270
- Mareca americana, 82
 penelope, 219
- Marshall, William H., an "eagle guard" developed in Idaho, 166; more notes on salt-feeding of red crossbills, 218

Meadowlark, Mexican, 262
 Western, 274
 Megaceryle alcyon caurina, 221
 Megarhynchus pitangua mexicanus, 260
 Meleagris altus, 156
 antiquus, 156
 celer, 156
 crassipes, 154
 gallopavo, 154, 275
 gallopavo sylvestris, 155
 richmondi, 156
 superba, 156
 tridens, 156
 Mellinger, E. O., and Paul A. Stewart, the Lucy warbler in New Mexico, 263
 Melopelia asiatica mearnsi, 266
 Melospiza undulatus, 282
 Melospiza lincolni, 165
 lincolni lincolni, 262
 melodia, 168, 277, 279
 Merganser, American, 89, 90, 250
 Hooded, 169, 266
 Red-breasted, 199
 Mergus merganser americanus, 89, 250
 serrator, 199
 Metallura atrigularis, 251
 primolina, 251-254
 primolina atrigularis, 251-254
 primolina primolina, 251-254
 Michener, Harold, and Josephine R. Michener, the molt of house finches of the Pasadena region, California, 140
 Micrastur, Lesson, 259
 Micrastur semitorquatus naso, 259
 Miller, Alden H., a hybrid between Zonotrichia coronata and Zonotrichia leucophrys, 45; dedication, 91; an early record of the dickcissel in Arizona, 125; a Transition island in the Mohave Desert, 161
 Miller, Loye, a new Pleistocene turkey from Mexico, 154; observations on the black-footed albatross, 229; sound produced in the nuptial dive of the Anna hummingbird, 305
 Mimus polyglottos, 261, 266, 271, 274
 polyglottos leucopterus, 305
 polyglottos polyglottos, 266
 Mniotilta varia, 261, 306
 Mockingbird, 152, 261, 266, 271, 274
 Western, 49, 85, 206, 305
 Moffitt, James, third record of the king eider in California, 305; an apparently authentic record of the spectacled eider for California, 309
 Molothrus, 274
 ater, 270, 273, 275
 rufo-axillaris, 271
 Moore, Milton, and Donald Moore, nesting of the ruby-crowned kinglet at Redlands, California, 263; American redstart at Redlands, California, 305
 Moore, Robert T., the nomenclature and habits of the black-throated copper-tailed hummingbird, 251
 Moorhen, 272, 273, 276, 280
 Mowbray, Vincent, wren-tit at high elevation, 127
 Munro, J. A., food of the sharp-shinned hawk, 168
 Murie, Olaus J., food habits of the northern bald eagle in the Aleutian Islands, Alaska, 198
 Murre, 198, 199
 Murrelet, Ancient, 199
 Myadestes townsendi, 125, 127, 214, 266
 Mycteria americana, 122
 Myiarchus tuberculifer lawrencei, 260
 Myiochanes pertinax pallidiventris, 261
 richardsonii richardsonii, 245
 Myiozetetes similis texensis, 260
 Myotis californicus pallidus, 89

N

Nannorchilus leucogaster leucogaster, 261
 Nannus hiemalis, 280
 hiemalis pacificus, 170
 Nephocetes niger, 260
 Nichols, David Gelston, varied thrush trapped by acorn, 164; posturing of the western sandpiper, 219
 Nighthawk, 260
 Numenius americanus, 221
 Nutcracker, Clark, 71
 Nuthatch, European, 271
 Red-breasted, 89, 163, 206
 White-breasted, 271
 Nycticorax nycticorax, 273, 277
 nycticorax hoactli, 306
 Nyctidromus albicollis merrilli, 260
 Nyroca marila, 169

O

Oceanites oceanicus, 272
 Oceanodroma furcata, 198
 homochroa, 233
 leucorhoa kaedingi, 233
 melania, 233
 Old-squaw, 199
 Oreoscoptes montanus, 221
 Oriole, Alta Mira, 262
 Black-headed, 262
 Bullock, 85
 Hooded, 262
 Scott, 163
 Oropendola, Wagler, 270, 273-275
 Orr, Robert T., an analysis of the subspecific status of dowitchers in California, 61
 Ortalis vetula vetula, 259
 Osprey, 90
 Ostrich, 269, 275
 Otis tarda, 269, 275
 Otocoris alpestris utahensis, 221
 Otus asio, 260
 asio quercinus, 40, 218
 flammeolus flammeolus, 162

- Ouzel, Water, 124
Owl, Barn, 39, 206
 Burrowing, 266
 California Screech, 206
 California Spotted, 307
 Dusky Horned, 124
 Flammulated Screech, 162
 Horned, 73, 164, 221
 Long-eared, 40
 Northern Spotted, 222
 Pacific Horned, 40, 206
 Pasadena Screech, 40, 218
 Pigmy, 260
 Saw-whet, 170, 306
 Screech, 260
Oxyechus vociferus, 222
 vociferus vociferus, 221, 250
Oyster-catcher, 273, 274
 Black, 264
- P**
- Palamedea cornuta, 112
Pandion haliaëtus, 90
Parabuteo unicinctus harrisi, 128
Paradisaea, 269
Parakeet, Green, 260
Parapavo californicus, 154, 155
Parotia, 269
Parrot, Red-crowned, 260
Partridge, European, 273
Parus atricapillus, 271
 atricristatus atricristatus, 261
 caeruleus, 271
 cristatus, 271
 major, 271
 palustris, 271
Passer domesticus, 124, 224, 239, 241
 domesticus domesticus, 239-241
Passerina versicolor versicolor, 262
Pastor roseus, 275
Pauraque, Merrill, 260
Pearse, Theed, polygamy in the English sparrow,
 124
Pediocetes phasianellus, 168, 269
Pelecanus erythrorhynchos, 88, 246
 occidentalis californicus, 247
Pelican, California Brown, 247
 White, 87, 88, 246
Penguin, Gentoo, 279
Penthestes atricapillus occidentalis, 222
 gambeli abbreviatus, 245
 gambeli inyoensis, 162
Perdix perdix, 273
Perisoreus canadensis canadensis, 124
Petrel, Black, 233
 Forked-tailed, 198
 Kaeding, 233
 Storm, 237
 Wilson, 272
Petrochelidon albifrons, 224
Pewee, Western Wood, 85, 206, 245
Phaethornis, 273
 guyi, 269
 supercilius, 269
Phaëton aethereus, 234
Phainopepla, 140
Phainopepla nitens, 140
Phalacrocorax, 198, 279
 albociliatus, 220
 auritus, 88, 89, 248
Phalarope, Red-necked, 270, 272, 273, 278
 Wilson, 124, 273
Phalaropus lobatus, 270, 272, 273, 278
Phasianus colchicus, 165, 220
Pheasant, Ring-necked, 165, 220
Pheugopedius hyperythrus, 272
Philacte canagica, 199, 222
Philomachus pugnax, 269, 275, 282
Phoebe, Black, 206
Phoenicurus gibraltariensis, 271
Phonygammus, 270
Pica pica, 271
Picoïdes arcticus, 242
Pigeon, Band-tailed, 266
 Red-billed, 260
Pintail, 199, 220
Pipit, American, 206
Piranga ludoviciana, 101, 163, 168
 rubra rubra, 262
Pisobia bairdii, 123
 minutilla, 221
 ruficollis, 122
Pitangus sulphuratus, 260
Plectrophenax nivalis, 278
Plegadis guarauna, 220
Ploceus philippinus, 270, 273, 275
Plover, Golden, 273, 274
 Little Ringed, 273
 Mountain, 125
 Snowy, 128, 221
 Spur-wing, 272
Pluvialis apricaria, 273, 274
Podiceps cristatus, 273, 274, 281, 282
 ruficollis, 272
Polioptila caerulea, 261
Polyborus cheriway audubonii, 259
 prelutosus, 41
 prelutosus grinnelli, 41
 prelutosus prelutosus, 41
Pooecetes gramineus, 128
Poor-will, Desert, 265
Porzana carolina, 124, 165, 221
Priondura newtoni, 269
Psaltriparus minimus, 168, 273
Psilorhinus morio, 261
Puffin, Horned, 199
 Tufted, 199
Puffinus, 198, 199
 puffinus, 272
 tenuirostris, 222
Pygmornis longuemareus, 269
Pygoscelis adeliae, 279
 papua, 279

- Pyrocephalus rubinus mexicanus*, 218
Pyrrhuloxia, 262
Pyrrhuloxia sinuata, 262
- Q**
- Quail, California, 49, 200
 Gambel, 165, 221
Querquedula discors, 169
Quiscalus quiscula aeneus, 170
- R**
- Rail, California Clapper, 126
 Clapper, 126
 Light-footed, 126
 Yuma Clapper, 264
Rallus obsoletus levipes, 126
 obsoletus obsoletus, 126
 obsoletus yumanensis, 264
 Raven, 199
 American, 250
Recurvirostra americana, 124
 avosetta, 273
 Redshank, 273, 274
 Redstart, American, 305
 Black, 271
 Redwing, 273
 Red-wing, Northwestern, 214
Regulus calendula cineraceus, 263
Remiz pendulinus, 270, 275
 Rett, Egmont Z., the vermilion flycatcher at
 Santa Barbara, 218; notes from San Luis
 Obispo and Santa Barbara counties, 266
Rhodothraupis celaeno, 262
Richmondia cardinalis, 262, 271
Rissa tridactyla, 198, 199
 tridactyla pollicaris, 222
 Road-runner, 85, 119-121
 Robin, 220, 261
 British, 270, 271, 274, 278-281
 Tamaulipas Gray, 261
 Western, 205
 Rodgers, Thomas L., the dive note of the Anna
 hummingbird, 86
 Rodgers, Thomas L., and Charles G. Sibley, fre-
 quency of occurrence of birds on the
 Berkeley campus, University of California,
 203
Rostratula, 275
 Ruff, 269, 275, 282
Rupicola, 269
- S**
- Salpinctes obsoletus*, 122
 obsoletus obsoletus, 250
Saltator, Buff-throated, 272
 Lichtenstein, 262
Saltator coerulescens grandis, 262
 intermedius, 272
 Sandpiper, Baird, 123
 Least, 221
 Rufous-necked, 122
 Western, 123, 219
Sapsucker, Red-breasted, 206, 242, 306
 Sargent, Grace Tompkins, observations on the
 behavior of color-banded California
 thrashers, 49; the second year of the Pa-
 cific gull-banding project, 87
Saxicola torquata, 271
Scardafella inca, 260
 Scaup, Greater, 169
Scolopax rusticola, 270, 273
 Screamer, pneumaticity of the, 112-118
 Seed-eater, 262
Seiurus motacilla, 261
Selasphorus platycercus platycercus, 162
Serinus canarius, 277
Setophaga ruticilla, 305
 Shearwater, Manx, 272
 Slender-billed, 222
 Shortt, T. M., eared grebe at Yakutat, Alaska—a
 correction, 170
 Shoveller, 123, 220
 Shrike, Loggerhead, 89, 140, 206, 271, 274
 Mexican, 261
 Mexican Ant, 260
Sialia currucoides, 165, 168
 mexicana, 125
 mexicana bairdi, 162
 mexicana occidentalis, 163, 214
 Sibley, Charles G., the warbling vireo of the Cape
 District of Lower California, 255
 Sibley, Charles G., and Donald Hemphill, plain
 titmouse occupies cliff swallow nest, 224
 Sibley, Charles G., and Thomas L. Rodgers, fre-
 quency of occurrence of birds on the
 Berkeley campus, University of Califor-
 nia, 203
 Siskin, Pine, 140, 163, 205, 219, 221
Sitta canadensis, 163
 carolinensis, 271
 europaea, 271
 Snipe, Great, 269
 Wilson, 221
 Solitaire, Townsend, 125, 127, 214, 266
Somateria mollissima v-nigra, 309
 spectabilis, 305, 309
 v-nigra, 188, 199
 Sooter, Clarence A., winter record of burrowing
 owl in northern California, 266
 Sora, 124, 221
 Sparrow, Black-chinned, 222
 Brewer, 250
 Chipping, 89
 Desert, 250, 305
 English, 124, 152, 205, 224, 239-241
 Fox, 206
 Gambel White-crowned, 214
 Golden-crowned, 45, 170, 206, 214
 Lincoln, 262
 Song, 49, 152, 168, 205, 277, 279, 280
 Texas, 262
 Tree, 170, 308
 Vesper, 128
 Western Chipping, 85, 206
 Western Grasshopper, 262

- Western Lark, 85
 Western Tree, 307, 308
 White-crowned, 45, 72, 99, 205, 221
 White-throated, 46, 222
Spatula clypeata, 123, 220
Speotyto cunicularia hypugaea, 266
Sphyrapicus varius, 168
 varius daggetti, 242
Spinus, 273
 pinus, 140
 pinus pinus, 163, 221
Spiza americana, 125
Spizella arborea ochracea, 170, 307, 308
 atrogularis evura, 224
 breweri breweri, 250
Sporophila moreletii, 262
 Starling, 86, 273
Steganopus tricolor, 124, 273
Stelgidopteryx ruficollis, 261
 serripennis, 165
Stercorarius longicaudus, 233
 parasiticus, 222
Sterna forsteri, 164
 hirundo, 278, 279
 paradisaea, 164
 Stewart, Paul A., and E. O. Mellinger, the Lucy warbler in New Mexico, 263
 Stilt, Black-necked, 221
 Stone, Ned W., the nectar eating habits of the Purple Finch, 126
 Stonechat, 271
 Stoner, Emerson A., Townsend solitaire at Benicia, California, 125; wood ducks in Solano and Napa counties, California, 170; a European widgeon in Solano County, California, 219; a hummingbird accident, 263; a bird's nest made of paper, 308
 Stork, White, 271
Strix occidentalis caurina, 222
 occidentalis occidentalis, 307
Struthio camelus, 269, 275
Sturnella magna mexicana, 262
 neglecta, 274
Sturnus vulgaris, 86, 273
 Sumner, Jr., E. Lowell, longevity in raptorial birds as indicated by banding records, 39; shrike captures bat, 89
 Sutton, George Miksch, and Thomas D. Burleigh, birds of Valles, San Luis Potosi, Mexico, 259
 Swallow, Barn, 273
 Cliff, 205, 224
 Rough-winged, 261
 Violet-green, 124, 162, 261
 Swan, Mute, 272, 277
 Swift, Black, 260
Synthliboramphus antiquus, 199
- T**
- Tachycineta thalassina*, 124, 261
 thalassina lepida, 162
 Tanager, Summer, 262
 Western, 101, 163, 168, 206, 306
Tanagra affinis, 262
 lauta lauta, 262
Tangavius aeneus aeneus, 262
 Taverner, P. A., variation in the American goshawk, 157; the distribution of the western solitary sandpiper, 215
 Teal, Blue-winged, 169
Telmatodytes palustris, 165, 168
 palustris paludicola, 309
 Tern, Arctic, 164
 Black, 221
 Caspian, 265
 Common, 278, 279
 Gull-billed, 265
 Test, Frederick H., effects of natural abrasion and oxidation on the coloration of flickers, 76
 Tetrao, 282
Thamnophilus doliatu mexicanus, 260
 Thrasher, Bendire, 126, 221
 California, 49-60, 206, 271
 Long-billed, 261
 Sage, 221
 Thrush, Hermit, 162, 168, 205, 214, 221, 261
 Russet-backed, 205
 Varied, 164, 206
Thryophilus modestus, 272
Thryothorus maculipectus microstictus, 261
Tiaris olivacea pusilla, 262
 Tinamou, Mexican, 259
 Tit, Blue, 271
 Crested, 271
 Great, 271
 Marsh, 271
 Penduline, 270, 275
 Willow, 271
 Titmouse, Black-crested, 261
 Plain, 205, 224
Todirostrum cinereum, 272
Totanus flavipes, 124
 Towhee, Brown, 49, 205
 California, 152
 Spotted, 49, 152, 205
Toxostoma bendirei, 126, 221
 longirostre, 261
 redivivum, 49-60, 271
Trachyphonus d'arnaudii, 272
Tringa totanus, 273, 274
Troglodytes aëdon, 271, 280
 domesticus parkmanii, 261
 Trogon, Coppery-tailed, 260
Trogonurus ambiguus, 260
 Tropic-bird, Red-billed, 234
Turdus grayi tamaulipensis, 261
 migratorius, 261
 migratorius propinquus, 220
 musicus, 273
 pilaris, 273
 Turkey, new Pleistocene, 154-156
 Wild, 275
 Turnix, 270, 275

- Twining, Howard, foraging behavior and survival in the Sierra Nevada rosy finch, 64
- Tympanuchus, 269
- Tyrannus melancholicus, 261
- Tyto alba pratincola, 39
- U
- Uria aalge, 198, 199
lomvia, 198, 199
- V
- Vanellus vanellus, 273, 274
- Vermivora celata, 261
celata sordida, 222
luciae, 263
- Vireo, Blue-headed, 261
Cape Warbling, 255
Cassin, 308
Hutton, 206
Small White-eyed, 261
Texas Bell, 261
Warbling, 308
Western Warbling, 206
- Vireo bellii medius, 261
gilvus connectens, 255
gilvus eleanorae, 255
gilvus leucopolius, 255, 256
gilvus swainsonii, 258
gilvus victoriae, 255
griseus micrus, 261
- Vireo solitarius, 261
swainsonii, 255
- Vireosylva gilva brewsteri, 255
gilva leucopolia, 255
- Vulture, Black, 223, 259
Turkey, 250, 259
Western Turkey, 85
- W
- Warbler, Audubon, 163, 168, 205, 214, 261
Black and White, 261, 306
Black-throated Green, 84, 261
Dusky, 222
Lucy, 263
Lutescent, 206
Magnolia, 127
Myrtle, 261
Orange-crowned, 261
Pileolated, 206, 221
Sennett, 261
Townsend, 206
Virginia, 163
Yellow, 168, 205, 221
- Water-Thrush, Louisiana, 261
- Watson, Frank Graham, a behavior study of the white-tailed kite, 295
- Waxwing, Bohemian, 128
Cedar, 206, 214, 261
- Whip-poor-will, Salvin, 260
- Widgeon, European, 219
- Willet, 273
- Wilsonia pusilla pileolata, 221
- Wolfson, Albert, a preliminary report on some experiments on bird migration, 93
- Woodcock, European, 270, 273
- Woodhewer, Ivory-billed, 260
- Woodpecker, Alpine Three-toed, 245
Arctic Three-toed, 242-245
California, 276
Golden-fronted, 260
Great Spotted, 271
Hairy, 89, 162
Ladder-backed, 85
Lewis, 214
Lineated, 260
Nuttall, 223
Texas Ladder-backed, 260
Willow Downy, 206
- Wren, Bewick, 85, 206
Canyon, 85
House, 271, 280
Long-billed Marsh, 168
Rock, 122, 250
Spotted-breasted, 261
Tule, 309
Western House, 261
Western Winter, 170
White-bellied, 261
Winter, 280
- Wren-tit, 127, 206, 271
- X
- Xanthocephalus xanthocephalus, 273-275
- Xanthoura luxuosa luxuosa, 261
- Xema sabini, 222
- Xiphorhynchus flavigaster flavigaster, 260
- Y
- Yellow-legs, Lesser, 124
- Yellow-throat, Salt Marsh, 222
Western, 168
- Yuhina brunneiceps, 276
- Z
- Zarhynchus wagleri, 270, 274, 275
- Zenaida asiatica, 260
- Zenaidura macroura, 165, 233
macroura marginella, 220, 260
- Zerlang, L., and T. Fraser, a large set of the black oyster-catcher, 264
- Zonotrichia albicollis, 46, 83, 222
coronata, 45, 46, 170
leucophrys, 45, 46, 99, 165, 221
leucophrys gambelii, 45, 214
leucophrys pugetensis, 308