

## INDEX TO VOLUME 49

**A**

*Acanthis linaria*, 40  
*Accipiter cooperii*, 49, 83, 170, 244  
     *striatus*, 170, 173  
*Aceros leucocephalus*, 35  
*Aechmophorus occidentalis*, 13  
*Aepyornis*, 162  
     *maximus*, 159-161, 163  
*Aethia cristatella*, 81  
     *pusilla*, 81  
*Agelaius*, 24  
     *phoeniceus*, 212  
*Aix sponsa*, 40, 89, 245  
*Ajaia ajaja*, 32  
*Albatross*, Black-footed, 78, 204-208  
     *Laysan*, 204-206  
*Alca torda pica*, 91  
     *torda torda*, 91  
*Alcorn*, Gordon D., further records of the spotted owl in the state of Washington, 132  
*Allan*, Philip F., notes on Mississippi kites in Hemphill County, Texas, 88  
*Amadon*, Dean, an estimated weight of the largest known bird, 159  
*Amazilia violiceps ellioti*, 89  
*Amblycercus*, 22, 24  
*Amblyramphus*, 23  
*Ammodramus*, 200, 202, 203  
     *australis*, 199  
     *halophilus*, 101  
     *savannarum*, 199  
*Amphispiza bilineata*, 127  
*Anabernicula*, 11  
*Anas acuta*, 32, 79  
     *acuta tzitzioha*, 106  
     *autumnalis*, 189, 190  
     *carolinensis*, 79, 207  
     *crecca*, 79  
     *cyanoptera*, 173  
     *diazii novimexicana*, 209  
     *formosa*, 90  
     *fulvigula maculosa*, 209  
     *platyrhynchos*, 79  
     *ruripes*, 209  
*Anderson*, Anders H., and *Anderson*, Anne, bird notes from southeastern Arizona, 88  
*Ani*, groove-billed, 220  
*Antbird*, Tyrannine, 229  
*Antevs*, Ada, cactus wrens use "extra" nest, 42; towhee helps cardinals feed their fledglings, 209  
*Anthus*, 57  
     *spinolella*, 4, 81, 84, 122, 174  
*Aphelocoma coerulescens*, 140  
*Aplonis opacus*, 125  
*Apteryx*, 159, 160, 162  
*Aquila chrysaetos*, 74, 80, 127  
*Archaeopteryx*, 13  
*Archilochus colubris*, 49

*Archiplanus*, 24

*Ardea herodias*, 32, 42, 166  
*Arenaria interpres*, 80  
     *melanocephala*, 167  
*Asio flammeus*, 81  
*Asyndesmus lewisi*, 174  
*Auk*, razor-bill, 91  
*Auklet*, Cassin, 208  
     Crested, 81  
     Least, 81  
     Paroquet, 81  
*Avocet*, 94-96  
*Aythya valisineria*, 126

**B**

*Bailey*, Alfred M., black and mottled ducks in Colorado, 209  
*Baker*, Rollin H., size of bird populations at Guam, Mariana Islands, 124  
*Balanospheira formicivora*, 140, 171  
     *formicivora bairdi*, 171  
     *formicivora formicivora*, 171  
*Baldwin*, Gordon C., new records for the Boulder Dam area, Nevada, 85  
*Baldwin*, Paul H., the life history of the Laysan Rail, 14; foods of the Hawaiian goose, 108  
*Bartramia longicauda*, 40  
*Beemer*, Eleanor Guyer, adaptability of Bewick wrens to nest molestation, 169  
*Bittern*, American, 173  
     Chinese Least, 125  
*Blackbird*, Brewer, 84, 168, 169, 212, 241  
     Red-winged, 212, 241  
     Tricolor, 241  
     Yellow-headed, 122  
*Bluebird*, Mexican, 140  
     Western, 236  
*Bobolink*, 122  
*Bob-White*, 228  
     Masked, 33  
*Bolander*, Gordon L., notes from Death Valley, California, 85  
*Bombycilla cedrorum*, 37, 174  
*Bond*, R. M., bitter cherry and serviceberry as food for birds, 37; food items from red-tailed hawk and marsh hawk nests, 84  
*Botaurus lentiginosus*, 173  
*Brant*, Black, 172, 173  
*Brodkorb*, Pierce, the banded wrens of northern middle America, 242  
*Bubo sinclairi*, 12  
     *virginianus*, 33, 137, 170, 244  
     *virginianus pacificus*, 138  
*Buceros hydrocorax*, 35  
*Bufflehead*, 169  
*Bunting*, Indigo, 48, 49, 51-53  
     *Lazuli*, 122, 174, 240  
     Snow, 82  
     Varied, 34

## UNIV OF IDAHO

Nov., 1947

## INDEX TO VOLUME 49

249

- Bush-tit, 37, 57, 237  
   Black-eared, 220
- Buss, Irven O., and Leopold, Aldo, review of  
   Edminster's "The Ruffed Grouse," 246
- Buteo albicaudatus, 121  
   albicaudatus hypospodius, 32  
   albonotatus, 32, 210  
   jamaicensis, 83, 127, 210  
   lineatus, 173  
   nitidus maximus, 33  
   regalis, 173  
   swainsoni, 33
- Butorides virescens, 244  
   virescens, anthonyi, 87
- C**
- Cacicus, 22, 24
- Cahn, Alvin R., notes on the birds of the Dutch  
   Harbor area of the Aleutian Islands, 78
- Calcarius lapponicus, 82
- Calypet anna, 36, 173  
   costae, 127
- Campylorhynchus capistratus, 242  
   chiapensis, 242  
   megalopterus, 242  
   nigriceps, 242  
   rufinucha, 242  
   rufinucha rufinucha, 242  
   yucatanicus, 242  
   zonatus, 242, 243  
   zonatus impudens, 243  
   zonatus restrictus, 242, 243  
   zonatus vulcanius, 243  
   zonatus zonatus, 242, 243
- Canvas-back, 126
- Capella delicata, 85, 121, 174
- Caracara, 210  
   Rancho La Brea, 12
- Cardiff, Eugene E., and Hanna, Wilson C., cerulean warbler in California
- Cardinal, 47, 49, 50, 52, 84, 209
- Carpodacus, 5, 7  
   cassinii, 86  
   mexicanus, 4, 84, 86, 127, 140  
   mexicanus clementis, 168  
   mexicanus frontalis, 211  
   purpureus, 37, 57, 86
- Casmerodus albus, 42, 166, 173  
   albus egretta, 211
- Cassiculus, 24
- Cassidix mexicanus, 34, 35  
   mexicanus prosopidicola, 36
- Cassowary, 159, 160, 162, 163
- Casuarinus, 160, 161  
   casuarinus, 159, 163  
   unappendiculatus, 159  
   unappendiculatus occipitalis, 160
- Catharacta skua, 207
- Cathartes urubitinga, 27
- Centurus carolinus, 49
- Cephus columba, 81  
   columba columba, 91
- grylle mandti, 91  
   grylle ultimus, 91
- Cercomacra tyrannina, 229
- Certhia familiaris, 90
- Chamaea fasciata, 57, 124
- Charadrius nivosus, 166  
   semipalmatus, 40  
   vociferus, 40
- Charitonetta albeola, 79, 169
- Chat, 34, 240  
   Long-tailed, 37
- Chen caerulescens, 36  
   hyperborea hyperborea, 126
- Chendytes lawi, 76, 77
- Chickadee, Black-capped, 37  
   Chestnut-backed, 37, 237  
   Mexican, 34  
   Mountain, 83, 127
- Chlidonias nigra, 89
- Chloroceryle americana, 33
- Chlorura chlorura, 211
- Chordeiles minor, 208  
   minor hesperis, 177
- Cinclus mexicanus, 81
- Circus cyaneus, 80, 170, 174, 210, 211, 244
- Clangula hyemalis, 79
- Clypipteris, 23
- Coccyzus americanus, 33, 49
- Colaptes auratus, 49, 121  
   auratus mearnsi, 121  
   auratus manus, 121
- Colaptes cafer, 140, 167
- Colinus virginianus ridgwayi, 33
- Collocalia inexpectata, 125
- Colymbus auritus, 40, 78  
   dominicu, 121, 125  
   dominicu bangsi, 121, 125  
   griseogena, 78
- Compton, Lawrence V., the great-tailed grackle  
   in the Upper Rio Grande Valley, 35
- Condor, California, 11, 12
- Coot, 13, 84, 94, 95, 140-142  
   American, 93, 174
- Coragyps atratus, 210
- Cormorant, Brandt, 166  
   Double-crested, 166, 208  
   Flightless, 77  
   Pelagic, 78, 208  
   Red-faced, 79
- Corvus brachyrhynchos, 49, 244  
   corax, 81, 127, 167  
   kubaryi, 125
- Cottam, Clarence, zone-tailed hawk feeds on  
   rock squirrel, 210; some bird records for  
   southern Nevada, 244
- Coturniculus, 14  
   henslowi, 199
- Cowbird, Brown-headed, 174  
   Red-eyed, 122
- Cranes, Sandhill, 42, 128
- Creeper, Brown, 90, 237
- Crocethia alba, 167

- Crouch, James E., winter record of western tanager at San Diego, California, 173
- Crow, 49, 52, 236, 244  
Guam, 125
- Cuckoo, Siberian, 42  
Yellow-billed, 33, 47, 49, 52
- Cuculus canorus, 42  
canorus telephonus, 42
- Curlew, Hudsonian, 167  
Long-billed, 96
- Cyanocitta cristata, 49  
stelleri, 37, 85, 174
- Cyclorrhynchus psittacula, 81
- D**
- Dendrocygna autumnalis, 189  
autumnalis autumnalis, 189-191  
autumnalis discolor, 189-191  
autumnalis fulgens, 190, 191  
autumnalis lucida, 191  
bicolor, 191, 195  
bicolor bicolor, 192, 193  
bicolor helva, 191, 193  
personata, 194  
viduata, 194
- Dendroica aestiva, 87, 174  
auduboni, 174  
cerulea, 245  
coronata, 174  
magnolia, 52  
occidentalis, 122, 130  
pensylvanica, 41  
virens, 52
- Dinornis, 162  
giganteus, 159, 163  
maximus, 159-161, 163
- Diomedea immutabilis, 204  
nigripes, 78, 204
- Dipper, American, 81, 237
- Dives, 24
- Dixon, Joseph S., election to honorary membership, 135
- Dixon, Keith L., and Krutzsch, Philip H., the white-winged dove in San Diego County, California, 37
- Dolichonyx, 24
- Dove, Inca, 33  
Inca, 33  
Micronesian Fruit, 125  
Micronesian Ground, 125  
Mourning, 49, 52, 74, 75, 96, 130, 167, 208, 237  
Philippine Turtle, 125  
White-throated Ground, 125  
White-winged, 32, 33, 37
- Dromaeus n. hollandiae, 159-161
- Dryobates pubescens, 49  
villosus, 49
- Duck, Black, 209  
Buffle-head, 79  
Greater Scaup, 79  
Harlequin, 79, 132
- Mottled, 209  
Old-squaw, 79  
Ruddy, 77, 84, 94  
Wood, 40, 89, 131, 245
- Dumas, Philip C., Evenden, Fred G., Jr., and Gordon, Kenneth L., the black phoebe in western Oregon, 212
- E**
- Eagle, Bald, 80, 81, 166  
Golden, 11, 12, 74, 75, 80, 127, 238  
Sea, 80
- Edminster, Frank C., review of his "The Ruffed Grouse," 246
- Egret, 211  
Common, 42, 166, 173
- Eider, King, 79  
Pacific, 79
- Elaenia flavogaster subpagana, 29
- Elaenia, Northern Yellow-bellied, 29
- Elanoides forficatus, 26
- Elanus leucurus, 85, 87, 173
- Elephant-bird, 159, 162
- Emberiza rostrata, 104
- Emlen, John T., Jr., and Evans, Francis C., ecological notes on the prey selected by a barn owl, 3
- Empidonax difficilis, 86  
difficilis cineritius, 122  
difficilis difficilis, 122, 167  
difficilis hellmayri, 122  
griseus, 121  
hammondii, 85, 122  
minimus, 122  
oberholserii, 121  
traillii, 37  
wrightii, 121
- Emu, 159, 160, 162
- Eostega, 10
- Ereunetes mauri, 244
- Erismatura jamaicensis, 77, 84
- Erolia bairdii, 207  
minutilla, 80  
ptilocnemis, 80
- Euphagus, 22, 24  
affinis, 24  
cyanocephalus, 24, 84, 168, 169, 212  
magnirostris, 24
- Euryapteryx, 159, 160, 162  
pygmaeus, 159, 161
- Evans, Francis C., and Emlen, John T., Jr., ecological notes on the prey selected by a barn owl, 3
- Evenden, Fred G., Jr., the bufflehead nesting in Oregon, 169
- Evenden, Fred G., Jr., Dumas, Philip C., and Gordon, Kenneth L., the black phoebe in western Oregon, 212
- F**
- Falco columbarius suckleyi, 244  
peregrinus, 166, 209  
sparverius, 74, 140, 166

- Falcon, Prairie, 238  
 Finch, Cassin, 86, 87  
     House, 4, 5, 84, 86, 127, 140, 168, 211  
     Purple, 37, 57, 237  
     Rosy, 81  
 Fitch, Henry S., predation by owls in the Sierran foothills of California, 137  
 Flicker, 50, 121  
     Red-shafted, 140, 142, 167, 236  
     Yellow-shafted, 49, 52, 238  
 Flycatcher, Ash-throated, 174, 238  
     Boat-billed, 227  
     Crested, 47-51, 53  
     Gray, 121  
     Hammond, 85, 122  
     Least, 122  
     Olive-sided, 238  
     Scissor-tailed, 132  
     Traill, 37, 241  
     Vermilion, 213  
     Western, 86, 122, 167, 238  
     Wright, 121  
 Fowl, Domestic, 220  
     Guinea, 118  
 Fratercula corniculata, 81  
 Fregata magnificens, 85  
 Friedmann, Herbert, review of his "Part 10 of the Birds of North and Middle America," 134; geographic variations of the black-bellied, fulvous, and white-faced tree ducks, 189  
 Frigate Bird, 15, 16, 85, 130  
 Fulica americana, 13, 84, 93, 140, 174  
     minor, 13  
 Fulmar, 78, 136, 205, 208  
 Fulmarus glacialis, 78, 205
- G**
- Gallicolumbia xanthonura, 125  
 Gallus, 220  
 Gannet, Del Rey, 11  
 Gavia immer, 78  
     stellata, 78  
 Geococcyx californianus, 171  
 Geothlypis trichas, 49, 174  
     trichas arizela, 122  
     trichas occidentalis, 122  
     trichas scirpicola, 122  
 Glaucionetta clangula, 79, 131  
     islandica, 131  
 Gnatcatcher, Black-tailed, 127  
     Blue-gray, 239  
 Gnorimospar, 24  
 Godwit, Bar-tailed, 80  
 Golden-eye, Barrow, 131  
     Common, 79, 131  
 Goldfinch, 49, 52  
     American, 241  
     Green-backed, 40, 90, 236  
     Lawrence, 127, 174, 236  
 Goodall, A. W., review of his "Aves de Chile," 43  
 Goose, Blue, 36  
     Canada, 94
- Emperor, 79, 172  
 Hawaiian, 108-120  
 Lesser Snow, 126  
 Pigmy, 11  
 Snow, 36  
 White-fronted, 36  
 Gordon, Kenneth L., Evenden, Fred G., Jr., and Dumas, Philip C. the black phoebe in western Oregon, 212  
 Grackle, Boat-tailed, 34  
     Great-tailed, 35, 36  
 Grant Chapman, frigate birds and the Laysan rail, 130  
 Grebe, Horned, 40, 78  
     Least, 121, 125, 126  
     Red-necked, 78  
     Western, 13  
 Grinnell, Hilda Wood, election to honorary membership, 135  
 Grosbeak, Black-headed, 54-72, 122, 168, 174, 240  
     Blue, 241  
     Rose-breasted, 70  
 Grouse, Blue, 234  
     Ruffed, 246  
 Grus canadensis, 42, 128  
 Guillemot, Pigeon, 81  
 Gull, California, 93-98, 167, 174, 212  
     Glaucous, 80  
     Glaucous-winged, 80, 81, 167, 206, 208, 212  
     Heermann, 167  
     Herring, 167, 206, 208  
     Sabine, 206-208  
     Western, 208, 167, 212  
 Gullion, Gordon W., orange-crowned warbler wintering in Oregon, 88; additional notes on cranes in the Cascade Mountains of Oregon, 128; duck hawk predation upon ring-necked pheasants, 209; horned owl preys on Cooper hawk, 244  
 Gygis alba, 125  
 Gymnogyps amplius, 11  
 Gymnomystax, 24
- H**
- Haematopus bachmani, 80  
 Halcyon cinnamomina, 125  
 Haliaeetus albicilla, 80  
     leucocephalus, 80, 166  
 Hall, Edward M., additional records of the scissortailed flycatcher in California, 132; Anna hummingbird with three eggs, 173; concentrated nesting of marsh hawks, 211; screech owl egg in crow's nest, 244  
 Hanna, Wilson C., *Cuculus canorus* on the North American continent, 42  
 Hanna, Wilson C., and Cardiff, Eugene E., cerulean warbler in California, 245  
 Haverschmidt, Fr., the black vulture and the caracara as vegetarians, 210  
 Hawk, Black Pigeon, 244  
     Cooper, 49, 83, 85, 170, 237, 244  
     Duck, 166, 209, 210, 238  
     Ferruginous Rough-legged, 173

- Gray, 33  
 Harris, 33  
 Laughing, 29  
 Marsh, 80, 84, 170, 174, 210, 211, 238, 244  
 Pigeon, 238  
 Red-bellied, 240  
 Red-shouldered, 136, 173  
 Red-tailed, 83, 84, 127, 148-150, 151, 210, 237  
 Sharp-shinned, 170, 173, 237  
 Sparrow, 74, 75, 140, 166, 237  
 Swainson, 33  
 White-tailed, 32, 121  
 Zone-tailed, 32, 210  
*Heleodtes brunneicapillus*, 42, 171  
*zonatus impudens*, 242  
*zonatus restrictus*, 242  
*zonatus vulcanus*, 243  
*Hedymeles melanocephalus*, 168  
 Hering, Louise, effects of a hail storm in the Black Forest, Colorado, 87; courtship and mating of broad-tailed hummingbird in Colorado, 126  
 Herman, Carleton M., and Rosen, Merton M., another outbreak of fungus disease in gulls, 212  
 Heron, Black-crowned Night, 173  
 Great Blue, 32, 42, 166, 240  
 Green, 37, 240, 244  
 Yellow-crowned Night, 210  
*Herpetotheres cachinnans*, 29  
*Heteroscelus incanus*, 167  
 Hill, Harold M., and Work, Telford H., proto-calliphora larvae infesting nestling birds of prey, 74  
*Hirundo rustica*, 174  
*Histrionicus histrionicus*, 79, 132  
 Honey-eater, Cardinal, 125  
 Hornbill, Brown, 35  
 Tarictic, 35  
 White-headed, 35  
 Howard, Hildegarde, a preliminary survey of trends in avian evolution from Pleistocene to recent time, 10; wing elements assigned to Chendytes, 76  
 Hubbard, Douglass H., red-tailed hawk feeding on coot, 83  
 Hummingbird, Allen, 136, 174, 238  
 Anna, 36, 173, 237  
 Arizona Blue-throated, 89  
 Black-chinned, 238  
 Broad-tailed, 126  
 Calliope, 176  
 Costa, 127  
 Northern Violet-crowned, 89  
 Rivoli, 89  
 Ruby-throated, 49, 51, 53  
 Rufous, 240  
 Violet-crowned, 89  
 Hurd, Paul D., Jr., unusual winter visitants to Berkeley, California, 173  
*Hylocichla fuscescens salicicola*, 122  
*guttata*, 168, 174  
*mustelina*, 49  
*ustulata*, 37  
*ustulata almae*, 122  
*ustulata oedica*, 122  
*ustulata swainsoni*, 122  
*ustulata ustulata*, 122
- I
- Ibis, Wood, 32  
*Icteria virens*, 34, 37  
*Icterus*, 24  
 bullockii, 140  
 pustulatus, 122  
*pustulatus microstictus*, 122  
*Ictinia mississippiensis*, 88  
 plumbea, 25  
*Ixobrychus sinensis*, 125
- J
- Jaeger, Edmund C., use of the creosote bush by birds of the southern California deserts, 126; stone-turning habits of some desert birds, 171; the vermillion flycatcher in the central Mohave Desert, 213; a second record of the oven-bird on the Mohave Desert, 244; white-headed woodpecker spends winter at Palm Springs, California, 244  
 Jaeger, Long-tailed, 206, 207  
 Parasitic, 80, 206, 207, 211  
 Pomarine, 206, 207
- Jay, Blue, 49, 52  
 California, 236  
 Green, 196-198  
 Scrub, 140, 142, 148  
 Steller, 37, 85, 174, 237  
 White-tipped Brown, 220
- Jewett, Stanley G., the blue goose in Yolo County, California, 36; the hammond flycatcher in the Willamette Valley, Oregon, 85; the lesser snow goose and canvas-back breeding at Tule Lake, California, 126  
 Johnston, Verna R., breeding birds of the forest edge in Illinois, 45  
*Junco oreganus*, 37, 140, 174  
*Junco*, Oregon, 37, 140, 174, 236
- K
- Kent, W. A., harlequin duck near Los Angeles, California, 132  
 Kenyon, Karl W., cause of death of a flammulated owl, 88; breeding populations of the osprey in Lower California, 152; notes on the occurrence of birds in Lower California, 210  
 Killdeer, 40, 166, 238  
 Kingbird, Arkansas, 238  
 Cassin, 174, 241  
 Western, 40  
 West Mexican, 90  
 Kingfisher, Belted, 81, 88, 174, 238  
 Green, 33  
 Micronesian, 125  
 Kinglet, Golden-crowned, 241  
 Ruby-crowned, 174, 239

- Kinsey, Eric Campbell, chestnut-sided warbler in Marin County, California, 41
- Kite, Mississippi, 88, 89  
Plumbeous, 25-31  
Swallow-tailed, 26  
White-tailed, 84, 85, 87, 135, 173, 240
- Kittiwake, Black-legged, 81, 167, 206, 208
- Kiwi, 159, 160, 162
- Koford, Carl B., cover design of Condor, 43
- Krutzsch, Philip H., and Dixon, Keith L., the white-winged dove in San Diego County, California, 37
- L**
- Lack, David, review of his "Darwin's Finches," 175
- Lagopus leucurus altipetens, 233  
mutus, 80
- Lamprospar, 24
- Lanius excubitor invictus, 173  
ludovicianus, 168
- Lark, Horned, 39, 167, 241  
Yuma Horned, 38
- Larrison, Earl J., present status of the green heron in Washington, 87
- Larus argentatus, 167, 208  
californicus, 93-96, 167, 174, 212  
glaucescens, 80, 167, 208  
heermanni, 167  
hyperboreus, 80  
occidentalis, 167, 212
- Lateralus jamaicensis, 14-16, 41, 132
- Laughlin, John, Baikal teal taken in California, 68; black rail at Salton Sea, California, 132
- Leistes, 24
- Leopold, Aldo, and Buss, Irven O., review of Edminster's "The Ruffed Grouse," 246
- Leucosticte tephrocotis, 81
- Limosa lapponica, 80
- Linnet, 173, 236
- Linsdale, Jean M., a ten-year record of bird occurrence on the Hastings Reservation, 236
- Lobipes lobatus, 80
- Longspur, Alaskan, 82
- Loomelanias melanias, 172
- Loon, Common, 78, 240  
Pacific, 240  
Red-throated, 78
- Lophortyx californica, 115, 117, 138, 140, 170  
douglasii, 33  
gambelii, 127
- Lunda cirrhata, 81
- M**
- Macroagelaius, 23
- Magpie, Yellow-billed, 174, 213, 236
- Mallard, 79, 94, 96, 244
- Manakin, Salvini, 224
- Martin, Purple, 34, 239
- McMillan, Ian I., establishment of artificially propagated quail, 170
- McMurtry, Frank B., and Monson, Gale, least grebe breeding in California, 125
- Meadowlark, Western, 4, 5, 85, 168, 236
- Megacyrle alcyon, 81, 88, 174
- Melanerpes erythrocephalus, 49
- Melanitta fusca, 40, 79  
perspicillata, 79
- Meleagris gallopavo, 118
- Melospiza, 200-202  
georgiana, 200, 201  
lincolni, 174, 200, 201  
melodia, 37, 82, 174, 201  
melodia bendirei, 127, 128  
melodia fallax, 128  
melodia montana, 128  
melodia saltonis, 127, 128
- Merganser, Common, 40, 173  
Red-breasted, 80
- Mergus merganser, 173  
merganser americanus, 40  
serrator, 80
- Miller, Alden H., a new genus of icterid from Rancho La Brea, 22; review of Goodall, et al., "The Birds of Chile," 43; review of Friedmann's "Part 10 of the Birds of North and Middle America," 134; Arizona race of acorn woodpecker vagrant in California, 171; review of Lack's "Darwin's Finches," 175
- Mimus, 5, 7  
polyglottos, 4, 168, 174
- Moa, 159, 160, 162, 163
- Mockingbird, 4, 5, 168, 174, 241
- Molothrus, 22  
ater, 174
- Monson, Gale, and McMurtry, Frank B., least grebe breeding in California, 125
- Moris reyana, 11
- Mowbray, M. Vincent, notes on the birds of the upper Salinas Valley, California, 174
- Mullerornis agilis, 159-161
- Munro, J. A., starling in British Columbia, 130
- Murray, J. Laurence, new cover design of Condor, 43
- Murre, Common, 208  
Northern, 81
- Murrelet, Ancient, 81
- Muscivora forficata, 132
- Mycteria americana, 32
- Myiarchus crinitus, 49
- Myioibius, Sulphur-rumped, 224
- Myiochanes richardsonii, 37  
virens, 49
- Myzomela cardinalis, 125
- N**
- Nannopterum harrisi, 77
- Neff, Johnson A., notes on some birds of Sonora, Mexico, 32
- Neñé, 108, 115-119
- Neochloe brevipennis, 210
- Neogyps errans, 11
- Neophronops americanus, 11
- Neospar, 23
- Nesochen sandvicensis, 108

Nighthawk, 206  
 Pacific, 177-188  
 Notiospar, 24  
*Nucifraga columbiana*, 40  
*Numenius hudsonicus*, 167  
*Numida meleagris*, 118  
 Nutcracker, Clark, 40  
 Nuthatch, red-breasted, 241  
   White-breasted, 236  
*Nyctanassa violacea bancrofti*, 210  
*Nyctea scandiaca*, 81  
*Nycticorax nycticorax*, 173  
*Nyroca marila*, 79

**O**

*Oberholseria chlorura*, 168  
*Oceanodroma furcata*, 78, 205  
   leucorhoa, 206  
   leucorhoa beali, 206  
*Ocyalus*, 23  
*Odontophorus gujanensis*, 217  
   gujanensis castigatus, 217  
   marmoratus, 221  
*Oidemia nigra*, 79  
*Oporornis formosus*, 49  
 Oriole, Bullock, 140, 240  
   Scarlet-headed, 122  
 Orr, Robert T., occurrence of black rail in San Francisco, 41  
 Osgood, Wilfred H., death of, 175  
 Osprey, 152-157, 240  
   American, 152  
 Ostrich, 159, 160, 162, 163  
*Otocoris alpestris adusta*, 38-40  
   alpestris insularis, 167  
   alpestris leucansiptila, 38-40  
   alpestris occidentalis, 38-40  
*Otus asio*, 140, 244  
   flameolus, 88  
 Ovenbird, 49, 244  
 Owl, Barn, 3-9, 89, 90, 137, 145-151, 237  
   Burrowing, 174  
   Flammulated, 88  
   Horned, 12, 33, 137-151, 170, 237, 244  
   Long-eared, 240  
   Pigmy, 237  
   Rancho La Brea Horned, 12  
   Saw-whet, 237  
   Screech, 140, 142, 237, 244  
   Short-eared, 81  
   Snowy, 81  
   Spotted, 132  
   Western Burrowing, 167  
*Oxyechus vociferus*, 166  
 Oyster-catcher, Black, 80

**P**

*Pandanaris*, 24  
   convexa, 22, 23  
*Pandion halaeetus carolinensis*, 152  
*Parabuteo unicinctus*, 33  
*Parus atricapillus*, 37  
   bicolor, 49

  gambeli, 83, 127  
   rufescens, 37  
   slateri, 34  
   wollweberi, 34  
*Passerculus*, 5, 7, 200, 202, 203  
   beldingi, 97, 98  
   guttatus, 97, 101, 107, 173  
   rostratus, 97, 101, 173  
   rostratus anulus, 99  
   sanctorum, 103  
   sandwichensis, 4, 82, 97, 174, 200, 211  
   sandwichensis alaudinus, 98, 99, 168  
   sandwichensis anulus, 98-103, 106, 107  
   sandwichensis atratus, 100, 102-107  
   sandwichensis beldingi, 97-104, 106, 107  
   sandwichensis bryanti, 98  
   sandwichensis guttatus, 99-103, 105-107  
   sandwichensis halophilus, 103  
   sandwichensis magdalena, 99-103, 106, 107  
   sandwichensis nevadensis, 98  
   sandwichensis rostratus, 98, 100-107  
   sandwichensis sanctorum, 100-104, 106, 107  
   savanna, 200  
*Passerella*, 201, 202  
   iliaca, 41, 82, 174, 202  
   iliaca altivagans, 123  
   iliaca schistacea, 41, 123, 168  
*Passerherbulus*, 200, 202, 203  
   caudacuta, 199  
   henslowi, 199, 201  
   lecontei, 199-201  
*Passerina cyanea*, 49  
   versicolor, 34  
*Pavo cristatus*, 118  
 Peafowl, 118  
 Peet, Max M., violet-crowned hummingbird in Arizona, 88  
*Pelecanus erythrorhynchos*, 85  
   occidentalis, 85, 165  
*Pelican*, Brown, 85, 165, 166, 208  
   White, 85  
*Penelopides panini*, 35  
*Pennula millsi*, 16  
 Petrel, Ashy, 208  
   Black, 172  
   Bonin Island, 18  
   Fork-tailed, 78, 205, 206, 208  
   Leach, 206, 208  
*Peucedramus olivaceus*, 122  
 Pewee, Western Wood, 37  
   Wood, 49-53, 174, 238  
 Peyton, Sidney B., belted kingfisher nesting in Ventura County, California, 88  
 Pezites, 24  
*Phaethon aethereus*, 206  
*Phainopepla*, 241  
*Phalacrocorax auritus*, 166  
   pelagicus, 78  
   penicillatus, 166  
   urile, 79  
 Phalarope, Northern, 80  
   Red, 206-208  
*Phalaropus fulicarius*, 207

- Phasianus colchicus*, 93, 115, 118, 209  
*Pheasant*, 94, 96, 109, 118  
  Ring-necked, 93, 115, 209  
*Pheucticus ludovicianus*, 70  
  melanocephalus, 54-72  
*Philacte canagica*, 79, 172  
*Phillips, Allan R.*, records of occurrence of some southwestern birds, 121  
*Phoebe*, Black, 90, 167, 212, 236  
  Say, 167, 238  
*Pica nuttallii*, 174, 213  
*Pigeon, Band-tailed*, 238  
*Pintail*, 32, 79, 206, 207, 240  
*Pipilo fuscus*, 209  
  maculatus, 37, 84, 90, 140  
*Pipit*, 4, 5, 84, 239  
  Water, 81, 122, 174  
*Piranga ludoviciana*, 69, 122, 168  
*Pisobia minutilla*, 167  
*Pitelka, Frank A.*, British Columbian records of the clay-colored sparrow, 128; taxonomy and distribution of the Mexican sparrow  
  *Xenospiza baileyi*, 199  
*Plectrophenax nivalis*, 82  
*Plover*, Black-bellied, 167  
  Golden, 207  
  Semipalmated, 40  
  Snowy, 166, 167  
  Upland, 40  
*Pluvialis dominica*, 207  
*Polioptila melanura*, 127  
*Polyborus*, 12  
  cheriway, 12, 210  
  prelutosus, 12  
  tharus, 12  
*Pooecetes gramineus*, 127, 168  
*Poor-will*, 238  
*Porzana carolina*, 174  
  tabuensis, 14  
*Porzana palmeri*, 14, 130  
*Progne subis*, 34  
*Psaltriparus minimus*, 37, 57  
*Pseudoleistes*, 24  
*Psomocolax*, 24  
*Ptarmigan, Rock*, 80  
  Southern White-tailed, 233-235  
*Ptilinopus roseicapillus*, 125  
*Ptiloxena*, 23  
*Puffin, Horned*, 81  
  Tufted, 81, 208  
*Puffinus creatopus*, 205  
  griseus, 205  
  tenuirostris, 78  
*Pulich, Warren*, another record of the wood duck in Arizona, 131  
*Pyelorhamphus molothroides*, 22, 24  
*Pyrocephalus rubinus*, 213
- Q**
- Quail, California*, 115, 117, 118, 138, 140, 142, 149-151, 170, 236  
*Chiriqui Marbled Wood*, 230  
*Colombian Marbled Wood*, 221
- Douglas*, 33  
*Gambel*, 127  
*Marbled Wood*, 217-232  
*Mountain*, 237  
*Querquedula cyanoptera*, 93  
*Quick, H. F.*, winter food of white-tailed ptarmigan in Colorado, 233
- R**
- Rail, Black*, 14, 16, 17, 19, 41, 132  
  Hawaiian, 16  
*Laysan*, 14-20, 130  
*Sora*, 174  
*Virginia*, 84, 85  
*Wake Island*, 16  
*Yellow*, 14, 19  
*Rallus limicola*, 84, 85  
  wakensis, 16  
*Raven*, 127  
  Holarctic, 81, 167  
*Redhead*, 94  
*Redpoll, Common*, 40  
*Restart, American*, 41, 122  
*Regulus calendula*, 174  
*Rett, Egmont Z.*, a report on the birds of San Nicolas Island, 165  
*Rhea*, 159, 160, 162  
*Rhea americana*, 159-161  
*Richardson, Frank*, water-surface feeding of blackbirds, 212  
*Richmondena cardinalis*, 49, 209  
  cardinalis ignea, 84  
  cardinalis seftoni, 84  
  cardinalis superba, 84  
  cardinalis townsendi, 84  
*Riparia riparia*, 38  
*Rissa tridactyla*, 81, 167, 208  
*Road-runner*, 171, 174, 237  
*Robin*, 37, 49, 50, 52, 69, 87, 174, 239  
*Rodeck, Hugo G.*, incubation in the western flycatcher, 86  
*Roest, Aryan I.*, offshore records of mourning dove and hermit warbler from Baja California, 130  
*Romainvillia*, 10  
*Rosen, Merton M.*, and *Herman, Carleton M.*, another outbreak of fungus disease in gulls, 212  
*Russell, Ward C.*, mountain chickadees feeding young Williamson sapsuckers, 83; the brown thrasher in California, 131  
*Rust, Henry Judson*, migration and nesting of nighthawks in northern Idaho, 177
- S**
- Salomonsen, Finn*, review of his "The Atlantic Alcidae," 91  
*Salpinctes obsoletus*, 174  
  obsoletus obsoletus, 167  
*Sanderling*, 167  
*Sandpiper, Baird*, 206, 207  
  Least, 80, 167

- Rock, 80  
 Western, 207, 244  
 Sapsucker, Red-breasted, 238  
     Williamson, 83  
 Sayornis nigricans, 90, 167, 212  
     saya, 167  
 Scardafella inca, 33  
 Scoter, Black, 79  
     Surf, 79  
     White-winged, 40, 79  
 Seiurus aurocapillus, 49, 244  
 Selasphorus platycercus, 126  
     sasin, 174  
 Setophaia ruficilla, 41, 122  
 Sialia mexicana, 140  
 Siskin, Pine, 90, 123, 241  
 Shearwater, Pink-footed, 205, 208  
     Slender-billed, 78  
     Sooty, 205, 206, 208  
 Shoveller, 93, 96, 244  
 Shrike, Boreal, 173  
     Loggerhead, 168, 239  
 Skua, 206, 207  
 Skutch, Alexander F., a nesting of the plumbeous kite in Ecuador, 25; life history of the marbled wood-uqail, 217  
 Slipp, J. W., notes on finches of the genus *Carpodacus* in western Washington, 86  
 Snipe, Wilson, 85, 121, 174, 240  
 Somateria spectabilis, 79  
     mollissima, 79  
 Sparrow, Abreojos Savannah, 101  
     Bell, 237  
     Black-chinned, 123, 241  
     Black-throated, 127  
     Chipping, 168, 174, 237  
     Clay-colored, 128-130  
     Field, 47, 49, 50, 52  
     Fox, 41, 82, 123, 168, 174, 240  
     Gambel White-crowned, 168  
     Golden-crowned, 168, 174, 240  
     Harris, 85, 241  
     House, 241  
     Large-billed Savannah, 104, 105  
     Lark, 236  
     Lincoln, 174, 240  
     Magdalena Savannah, 102  
     Marsh, 97, 211  
     Puget Sound White-crowned, 168  
     Rufous-crowned, 237  
     San Benito Savannah, 103  
     Savannah, 4, 5, 7, 82, 97-107, 168, 173, 174, 202, 211, 240  
     Scammon Savannah, 99  
     Slate-colored Fox, 123  
     Song, 37, 62, 82, 128, 174, 237  
     Sonora Savannah, 105  
     Vesper, 127, 168  
     Western Song, 127  
     White-crowned, 123, 127, 173, 174, 240  
     White-throated, 241  
 Spatula clypeata, 93  
 Spaulding, Edward R., black pigeon hawk at Santa Barbara, California, 244  
 Speotyto cunicularia hypugaea, 167  
 Sphyrapicus thyroideus, 83  
 Spinus lawrencei, 127, 174  
     pinus, 90  
     pinus macropterus, 123  
     pinus pinus, 123  
     psaltria, 40, 90  
     tristis, 49  
 Spizella atrogularis evura, 123  
     pallida, 128-130  
     passerina, 168, 174  
     pusilla, 49  
 Spoonbill, Roseate, 32  
 Squatarola squatarola, 167  
 Stager, Kenneth E., starling in southern California, 169  
 Starling, 40, 49, 52, 85, 130, 169  
     Micronesian, 125  
 Stegadopteryx ruficollis, 38, 174  
 Stercorarius longicaudus, 207  
     parasiticus, 80, 207, 211  
     pomerinus, 207  
 Stoner, Emerson A., Anna hummingbird at play, 36; food of white-tailed kites on the Suisun Marsh, 84; Barrow golden-eye at Benicia, California, 131  
 Storer, Robert W., review of Salomonsen's "The Atlantic Alcidae," 91  
 Stott, Ken, Jr., notes on the Philippine brown hornbill, 35  
 Streptopelia bitorquata, 125  
 Stresemann, Erwin, an unrecorded specimen of *Neochloe brevipennis*, 210  
 Strix brea, 12  
     occidentalis caurinus, 132  
 Struthio camelus, 159-161  
 Sturnella, 5, 7, 24  
     neglecta, 4, 168  
 Sturnus vulgaris, 40, 49, 85, 130, 169  
 Sugden, John W., exotic eggs in nests of California Gulls, 93  
 Sutton, George Miksch, eye-color in the green jay, 196  
 Swallow, Bank, 38, 174  
     Barn, 174, 241  
     Cliff, 239  
     Rough-winged, 38, 174, 241  
     Tree, 174  
     Violet-green, 185, 239  
 Swift, Vaux, 240  
     White-throated, 176, 240  
 Swiftlet, Edible Nest, 125  
 Synthliboramphus antiquus, 81
- T**
- Talmadge, Robert R., the bank swallow breeding in Humboldt County, California, 38; emperor geese again on Humboldt Bay, California, 172  
 Tanager, Gray-headed, 224  
     Western, 69, 122, 168, 173, 241

- Tangavius, 22  
*aeneus milleri*, 122
- Tattler, Wandering, 167
- Taverner, P. A., death of, 133
- Teal, Baikal, 90  
*Cinnamon*, 93, 173, 244  
*European*, 79  
*Green-winged*, 79, 206, 207
- Teratornis, 10
- Tern, Black, 89  
*Fairy*, 15, 125  
*Forster*, 95  
*Royal*, 211
- Telmatodytes palustris, 90, 174  
*palustris plesius*, 167
- Thalasseus maximus, 211
- Thatcher, Vernon E., cranes and egrets in Douglas County, Oregon, 42
- Thrasher, Brown, 49, 131  
*California*, 236  
*Leconte*, 127
- Thrush, Gray, 227  
*Hermit*, 168, 174, 239  
*Olive-backed*, 122  
*Russet-backed*, 37, 239  
*Varied*, 239  
*Wood*, 49
- Thryomanes bewickii, 124, 169, 174
- Thryothorus ludovicianus, 49
- Titmouse, Bridled, 34  
*Plain*, 236  
*Tufted*, 49
- Totanus melanoleucus, 244
- Toucan, Swainson, 219, 224  
*White-breasted*, 29
- Towhee, Brown, 209, 236  
*Green-tailed*, 168, 211  
*Spotted*, 37, 84, 90, 140, 236
- Toxostoma lecontei, 127  
*rufum*, 49  
*rufum longicaudus*, 131
- Tree-duck, Black-bellied, 189  
*Fulvous*, 191  
*White-faced*, 194
- Troglodytes aëdon, 49  
*troglodytes*, 81, 124
- Tropic-Bird, Red-billed, 206  
*Red-tailed*, 15
- Turdus migratorius, 37, 49, 69, 87, 174
- Turkey, 118
- Turnstone, Black, 167  
*Ruddy*, 80
- Twomey, Arthur C., critical notes on some western song sparrows, 127
- Tyrannus melancholicus, 90  
*verticalis*, 40  
*vociferans*, 174
- Tyto alba, 4, 89, 137
- U**
- Uria aalge californica, 91  
*aalge inornata*, 91  
*lomvia*, 81
- V**
- van Rossem, A. J., the distribution of the Yuma horned lark in Arizona, 38; the cardinal of central Baja California, 84; a synopsis of the savannah sparrows of northwestern Mexico, 97; does the black petrel winter off the California Coast?, 172; the type of *Passerculus guttatus*: a correction, 173
- Veery, 122
- Vermivora celata, 37, 88  
*celata lutescens*, 168  
*peregrina*, 41
- Vireo gilvus, 87, 174  
*gilvus swainsoni*, 168  
*huttoni*, 174  
*olivaceus*, 49  
*vicinior*, 40  
*solitarius*, 37, 88
- Vireo, Gray, 40  
*Hutton*, 174, 237  
*Red-eyed*, 48, 49  
*Solitary*, 37, 88, 239  
*Warbling*, 87, 168, 174, 239
- Vorhies, Charles T., more records of the wood duck in Arizona, 245
- Vulture, Black, 210  
*Turkey*, 238  
*Yellow-headed*, 27-29
- W**
- Warbler, Audubon, 174, 239  
*Black-throated Gray*, 239  
*Black-throated Green*, 52  
*Cerulean*, 245  
*Chestnut-sided*, 41  
*Hermit*, 122, 130, 241  
*Kentucky*, 49  
*Magnolia*, 52  
*Myrtle*, 174, 239  
*Nashville*, 241  
*Orange-crowned*, 37, 88, 168, 239  
*Pileolated*, 240  
*Tennessee*, 41  
*Tolmie*, 240  
*Townsend*, 240  
*Yellow*, 87, 174, 239
- Waxwing, Cedar, 37, 174, 239
- Webster, J. Dan, notes on the birds of Utah, 40
- Weston, Henry G., Jr., breeding behavior of the black-headed grosbeak, 54
- Wiggins, Ira L., yellow-billed magpies' reaction to poison, 213
- Willet, Western, 96
- Williams, Laidlaw, a winter wren roost, 124
- Wilsonia pusilla, 57
- Woodpecker, Acorn, 140, 171  
*California*, 236  
*Downy*, 49, 237  
*Hairy*, 49, 50, 237  
*Lewis*, 174, 240  
*Nuttall*, 236  
*Red-bellied*, 49

- Red-headed, 49, 52  
White-headed, 244  
**Wood-quail**, 217-232  
Work, Telford H., and Hill, Harold M., proto-  
calliphora larvae infesting nestling birds  
of prey, 74  
**Wren, Banded**, 242  
    Banded Cactus, 220  
    Bewick, 124, 167, 169, 174, 237  
    Cactus, 42, 171  
    Canyon, 241  
    Carolina, 49  
    House, 48, 49, 51-53, 239  
    Long-billed Marsh, 90, 167, 174  
    Rock, 167, 174  
    Winter, 81, 124, 241  
    Wood, 224  
**Wren-tit**, 57, 124, 236
- X**
- Xanthocephalus, 24  
Xanthospar, 23  
**Xanthoura yncas**, 196-198  
    yncas caeruleocephala, 197  
    yncas centralis, 197  
    yncas cyanodorsalis, 196, 197  
    yncas galeata, 196, 197  
    yncas glaucescens, 196, 198
- yncas luxuosa, 198  
yncas maya, 197  
yncas vivida, 198  
**Xema sabini**, 208  
**Xenospiza**, 200  
    baileyi, 199-203  
    baileyi baileyi, 199-201  
    baileyi sierrae, 199-201
- Y**
- Yellow-legs, Greater, 244  
Yellow-throat, 49, 52, 122, 174, 241  
Yocom, Charles F., observations on bird life in  
the Pacific Ocean off the North American  
shores, 204
- Z**
- Zenaida asiatica, 37  
    asiatica mearnsi, 32, 33  
Zenaidura macroura, 49, 130, 167, 208  
Zonotrichia, 5, 7  
    coronata, 4, 168, 174  
    leucophrys, 4, 127, 174  
    leucophrys gambelii, 168  
    leucophrys oriantha, 123, 173  
    leucophrys pugetensis, 168  
    querula, 85