

INDEX TO VOLUME 44

- A**
- Accipiter cooperi, 110, 229
 velox, 110
- Actitis macularia, 111, 184
- Aechmophorus occidentalis, 20, 229
- Aëronautes saxatalis, 280
 saxatalis saxatalis, 60
- Agelaioides badius, 10
- Agelaius phoeniceus, 114, 229
 tricolor, 45, 52
- Aimophila carpalis, 64
 cassinii, 115
 ruficeps eremoeca, 115
 ruficeps scottii, 64
- Aix sponsa, 175
- Albatross, Black-footed, 3, 27, 265
- Alcorn, Gordon D., the status of the skuas of the state of Washington, 218, 221
- Alcorn, J. R., birds affected by botulism at Soda Lake, Nevada, 80; food of the barn owl at Soda Lake, Nevada, 128; notes on the food of the horned owl near Fallon, Nevada, 284
- Allen, Walter I., painted redstart at Altadena, California, 76; early nesting of the Anna hummingbird in Altadena, California, 129
- Amadon, Dean, relationships of the Hawaiian avifauna, 280
- Amazilia tzacatl, 197
- Ammodramus savannarum, 224
- Amphispiza bilineata deserticola, 64
 nevadensis nevadensis, 34
- Anas platyrhynchos, 81, 229
 platyrhynchos platyrhynchos, 109
- Andresen, C., Townsend solitaire uses camp table for nest site, 284
- Anser albifrons, 109, 222, 229
- Anthrocothorax nigricollis, 197
- Aphelocoma californica immanis, 170
 californica woodhouseii, 62, 113
 sieberii arizonae, 62
- Aquila chrysaëtos, 41, 59, 229
 chrysaëtos canadensis, 110, 176
- Archilochus alexandri, 197, 282
 colubris, 189
- Ardea herodias, 109, 226, 229
- Arenaria interpres, 81
- Arnold, Lee W., water birds influenced by irrigation projects in the lower Colorado River valley, 183; the aerial capture of a white-throated swift by a pair of falcons, 280
- Asio flammeus, 129, 182, 229
 wilsonianus, 112, 177, 285
- Asturina plagiata, 222
- Asyndesmus lewis, 128, 223, 226
- Atthis heloisa, 197
- Auklet, Rhinoceros, 233
- Auriparus flaviceps, 62
 flaviceps flaviceps, 184
- Avocet, 81, 111, 229
- B**
- Baeolophus atricristatus paloduro, 113
 wollweberi annexus, 62
- Bailey, Alfred M., the black pigeon hawk in Colorado, 37
- Bailey, Vernon, notice of death of, 131
- Balanosphyra formicivora, 61, 229
- Baldpate, 109, 229
- Bartholomew, George A., Jr., the fishing activities of double-crested cormorants on San Francisco Bay, 113
- Bartramia longicauda, 111
- Behle, William H., records of the herring gull, sanderling, and lark bunting in Utah, 230
- Behle, William H., and Marshall, Joe T., Jr., the song sparrows of the Virgin River valley, Utah, 122
- Bene, Frank A., Costa hummingbird at Papago Park, Arizona, 282
- Bittern, American, 229
 Least, 183, 229
- Blackbird, Brewer, 114, 129, 173
 Red-winged, 114, 229
 Tricolored Red-winged, 45
- Bluebird, Mexican, 69, 173
 Mountain, 113, 178
- Bobolink, 128
- Bob-white, 110, 168
- Bonasa umbellus, 197
- Bombycilla cedrorum, 114, 178
 garrula pallidiceps, 114
- Bond, Richard M., prairie falcon food habits, 79; banding records of California brown pelicans, 116; food of the burrowing owl in western Nevada, 183; white-tailed kites feeding on house mice, 231
- Botaurus lentiginosus, 229
- Brant, American, 130
 Black, 232
- Branta bernicla hrota, 130
 canadensis, 109, 229
 nigricans, 232
- Breagyps clarki, 212
- Brodkorb, Pierce, notes on some races of the rough-winged swallow, 214
- Brooks, Allan, additions to the distributional list of the birds of British Columbia, 33; the status of the northwestern crow, 166
- Bryan, William A., resolutions concerning death of, 236
- Bryant, Harold C., golden eagle visits northern Arizona desert, 41

- Bryant, Monroe D., and Pitelka, Frank A., available skeletons of the passenger pigeon, 74
- Bunting, Lark, 115, 230
- Bryens, Oscar McKinley, purple martins using leaves in nest building, 75; an additional note on English sparrows feeding on ants, 128
- Bubo virginianus, 60, 111, 129, 229, 284
virginianus occidentalis, 128
virginianus subarcticus, 177
- Bufflehead, 109, 229
- Bunting, Beautiful, 64
Indigo, 71, 224
Lark, 115, 230
Lazuli, 128, 181, 224
Painted, 115
- Bush-tit, 62, 223
Lead-colored, 113
- Buteo ales, 40
antecursor, 40
borealis, 39, 59, 110, 226, 227
contortus, 39
coterminus, 40
dananus, 40
fluviaticus, 39
grangeri, 39
jamaicensis, 172, 229
lagopus, 176, 229
lagopus s. johannis, 110
lineatus, 229
melanoleucus, 39
regalis, 110
swainsoni, 59, 110, 222
typhoius, 39, 40
- Butorides virescens, 35, 229
- C
- Calamospiza melanocorys, 115, 231
- Calcarius lapponicus, 115
ornatus, 225
- Callipepla squamata, 110
- Calothorax lucifer, 195
- Calypte anna, 189, 194, 195
costae, 60, 189, 282
- Campephilus principalis, 41
- Camptostoma imberbe, 61, 223
- Canvas-back, 109
- Capella delicata, 35, 111
- Caracara, Audubon, 222
- Cardinal, 114
Arizona, 63, 64
- Carpodacus cassinii, 181
mexicanus, 73, 115, 173
mexicanus frontalis, 34, 64
purpureus, 173, 181
- Casmerodius albus, 20, 226, 229
albus egretta, 109
- Catbird, 178
- Catharacta chilensis, 218
chilensis antarctica, 218
chilensis lönnbergi, 218
skua, 29
skua antarctica, 220
- Cathartes aura, 59, 109, 149-159, 172, 176, 212
- Cathartornis gracilis, 212
- Catherpes mexicanus, 113
mexicanus conspersus, 62
- Centurus aurifrons, 112
uropygialis, 22
uropygialis albescens, 22
uropygialis tiburonensis, 22, 26
uropygialis uropygialis, 60
- Cerorhinca monocerata, 233
- Chachalaca, 77
- Chaetoptila, 280
- Chaetura pelagica, 125
- Chamaea fasciata, 281
- Charadrius nivosus, 81
- Charitonetta albeola, 109, 229
- Chasiempis, 280
- Chat, Long-tailed, 180
- Chaulelasmus streperus, 81, 109
- Chen hyperborea, 76, 109, 229
rossi, 229
- Chlidonias nigra, 81, 223
nigra surinamensis, 111, 125
- Chlorostilbon splendidus, 190
- Chondestes grammacus, 115
grammacus strigatus, 171
- Chordeiles, 229
acutipennis inferior, 73
acutipennis micromeris, 73
acutipennis texensis, 60, 74
minor, 112
Circus hudsonius, 41, 110, 172, 229
- Coccyzus americanus, 60
americanus americanus, 111
- Colaptes auratus, 112
cafer, 173, 223
cafer collaris, 112, 170
chrysoides, 60, 223
- Colibri iolatus, 195
- Colinus virginianus, 110
virginianus virginianus, 168
- Columba fasciata, 74, 223
fasciata fasciata, 60
- Columbigallina passerina pallescens, 60
- Colymbus nigricollis, 20, 229
- Compsothlypis americana pusilla, 224
- Condor, Andean, 30, 212
California, 212
- Cooper Ornithological Club, sixteenth annual meeting, 42, 82, 131; annual business meeting, 131; board of governors, annual meeting, 187; regular monthly meetings, minutes of, 43, 83, 131, 187, 234, 288; membership directory, 133
- Coot, 11, 127, 172, 184
American, 81, 229

- Coragyps atratus, 59, 212
 occidentalis, 212
 Cormorant, 229
 Brandt, 19, 85-104, 232
 Double-crested, 13-21, 109, 184
 Farallon, 19, 229
 Pelagic, 85
 Corthyllo calendula, 178
 calendula calendula, 114, 178
 calendula grinnelli, 178
 Corvus brachyrhynchos, 163, 166, 227, 229
 brachyrhynchos hesperis, 167, 177
 caurinus, 166
 corax, 94, 172, 227, 229
 corax sinuatus, 62
 cryptoleucus, 62
 culminatus, 167
 intermedius, 167
 morio, 165
 ossifragus, 167
 Cottam, Clarence, records from extreme north-
 eastern Nevada, 127; slate-colored junco
 in Nevada, 185
 Cottam, Clarence, Sooter, Clarence A., and Grif-
 fith, Richard E., the European starling
 in New Mexico, 182; the yellow rail and
 the Caspian tern in New Mexico, 230
 Coturnicops noveboracensis, 230
 Cotyle fulvipennis, 216
 Cowbird, 10, 114, 181
 Bronzed, 63, 64
 Dwarf, 63
 Crane, 110
 Little Brown, 229, 230
 Whooping, 40
 Crocethia alba, 230
 Crossbill, Red, 73
 Crow, 163, 269, 273
 Carion, 167
 Fish, 166
 Hill, 167
 Hooded, 167
 Jungle, 167
 Northwestern, 166
 Western, 167, 177, 229
 Cryptoglaux acadica, 66, 68
 acadica acadica, 177
 Cuckoo, Yellow-billed, 60, 111
 Curlew, Eskimo, 74
 Hudsonian, 184
 Long-billed, 111, 222
 Cyanocephalus cyanocephalus, 113
 Cyanocitta cristata, 163
 cristata cyanotephra, 113
 Cynanthus latirostris, 60
 Cygnus columbianus, 229
 Cyrtonyx montezumae, 60
- D**
- Dafila acuta, 81, 229
 acuta tzitzihoa, 109
 Davis, David E., the number of eggs laid by
 cowbirds, 10
 DeMay, Ida S., an avifauna from Indian kitchen
 middens at Buena Vista Lake, California,
 228
 Dendrocygna bicolor, 184
 Dendroica aestiva, 114, 173
 aestiva aestiva, 63
 auduboni, 69, 114
 auduboni auduboni, 128
 auduboni memorabilis, 128
 castanea, 34
 graciae, 224
 nigrescens, 63, 71, 180
 occidentalis, 224
 striata, 180
 Diomedea nigripes, 3, 27, 265
 Dixon, Joseph S., southern record station for
 the California pine grosbeak, 280
 Dove, Inca, 223
 Mexican Ground, 60
 Mourning, 60, 111, 170, 229, 280
 Western Mourning, 128, 176
 White-winged, 60, 280
 Dowitcher, 111
 Interior, 37, 79
 Long-billed, 222
 Dryobates arizonae arizonae, 61
 pubescens, 177
 pubescens leucurus, 177
 scalaris cactophilus, 24, 61
 scalaris eremicus, 184
 scalaris lucasanus, 184
 scalaris mojavenensis, 24, 26
 scalaris symplectus, 112
 scalaris yumanensis, 24
 villosus sitkensis, 34, 177
 Duck, Falcated, 33
 Fulvous Tree, 184
 Lesser Scaup, 184, 229
 Pintail, 81
 Redhead, 129, 184
 Ring-necked, 109
 Ruddy, 20, 109, 184, 229
 Wood, 175
 Dumetella carolinensis, 178
- E**
- Eagle, Bald, 41, 75, 110
 Golden, 41, 59, 64, 110, 128, 176, 229
 Eakin, Richard M., bathing of young wren-tit
 by parent, 281
 Ectopistes migratorius, 74
 Edson, J. M., poor-will at Bellingham, Washing-
 ton, 130
 Egret, American, 20, 44, 109, 226, 229

- Brewster, 222
 Snowy, 87, 183
 Egretta thula, 87, 183, 222
 Eider, King, 33
 Pacific, 33, 182
 Elanus leucurus, 231
 leucurus majusculus, 267-276
 Empidonax difficilis difficilis, 61
 traillii brewsteri, 61, 177, 223
 Ereunetes mauri, 81, 111, 176
 Erismatura jamaicensis, 20, 184
 jamaicensis rubida, 109
 Erolia testacea, 33
 Eugenes fulgens, 199
 EUNETTA falcata, 33
 Euphagus cyanocephalus, 114, 129, 173
- F
- Falco columbarius bendirei, 33, 176
 columbarius suckleyi, 37, 128, 176
 fusco-coerulescens, 222
 mexicanus, 59, 79, 110, 227, 229
 peregrinus, 182, 280
 peregrinus anatum, 110
 sparverius, 68
 sparverius sparverius, 60, 110
 Falcon, 280
 Aplomado, 222
 Prairie, 38, 59, 79, 110, 227, 229
 Finch, Cassin Purple, 73, 181
 House, 34, 64, 73, 115, 128, 173
 Purple, 173, 181
 Fisher, Harvey I., the pterylosis of the Andean condor, 30
 Flahaut, M. R., and Slipp, J. W., winter records of the sora rail in Washington, 78
 Flicker, 112, 173, 223
 Gilded, 60
 Red-shafted, 112, 170
 Flycatcher, Arizona Crested, 61, 64
 Ash-throated, 61, 112
 Beardless, 61, 64, 223
 Olivaceous, 223
 Olive-sided, 61, 64, 112
 Scissor-tailed, 112, 228
 Traill, 177, 223
 Vermilion, 61
 Western, 61
 Western Traill, 61
 Friedmann, Herbert, review of his Part 9 of "Birds of North and Middle America"
 Freyschlag, C. H., blue-winged teal nesting in Sacramento County, California, 227
 Fulica americana, 81, 172, 184, 229
 americana americana, 111
 Fulmar, 27
 Pacific, 265
 Fulmarus glacialis rogersii, 27
- G
- Gadd, Samuel W., spotted owl nesting in Colorado, 35
 Gadwall, 81, 109
 Gallinula chloropus, 184, 229
 Gallinule, Florida, 184, 229
 Gavia, adamsii, 33
 arctica, 20, 183, 229
 arctica pacifica, 175, 264
 immer, 109
 stellata, 20
 Geococcyx californianus, 60, 111
 Geothlypis trichas, 63, 114
 trichas chryseola, 224
 Gilbert, Perry W., and Sutton, George Miksch, the brown jay's furcular pouch, 160
 Gladding, Hope M., nests in the cottonwoods at Gustine, California, 226
 Glaucidium gnoma pinicola, 287
 Glaucionetta, 229
 clangula americana, 109
 Gnatcatcher, 69, 113
 Blue-gray, 62
 Plumbeous, 62
 Godwit, Hudsonian, 34
 Pacific, 34
 Golden-eye, 229
 American, 109, 173
 Goldfinch, American, 173
 Arkansas, 73, 115
 Green-backed, 34, 64
 Lawrence, 73
 Pale, 224
 Willow, 181
 Goose, Canada, 76, 109, 229
 Ross, 229
 Snow, 76, 109, 229
 White-fronted, 109, 222, 229
 Goshawk, Mexican, 38, 222
 Grackle, Bronzed, 114
 Grater, Russell K., starlings in southern Utah, 41; birds new to Bryce Canyon National Park, 75
 Grebe, Eared, 20, 127, 229
 Pied-billed, 20, 109, 183, 184, 229
 Western, 20, 229
 Griffith, Richard E., Cottam, Clarence, and Sooter, Clarence A., the European starling in New Mexico, 182; the yellow rail and the Caspian tern in New Mexico, 230
 Grinnell, Hilda W., February records for the black-headed grosbeak, 80
 Grosbeak, Black-headed, 63, 80, 114, 181
 Blue, 224
 California Pine, 280
 Evening, 66, 73
 Pine, 181
 Rocky Mountain, 34
 Western Blue, 63, 114
 Grouse, Ruffed, 197
 Grus americana, 40, 126
 canadensis, 110, 126, 229
 canadensis canadensis, 230

- canadensis tabida*, 126
conferta, 126
 Guillemot, Pigeon, 182
Guiraca caerulea, 224
 caerulea interfusa, 63, 114
 Gull, Bonaparte, 19, 81, 125
 California, 19, 78, 81, 105, 230
 Franklin, 33, 226
 Glaucous-winged, 19, 78, 182
 Heermann, 232
 Herring, 111, 230, 265
 Ring-billed, 19, 105, 111
 Sabine, 29
 Short-billed, 176
 Western, 19, 78, 85, 93, 265
Gymnogyps amplus, 212
 californianus, 212
- H**
- Haematopus bachmani*, 205
 palliatu palliatu, 209
Haliaeetus leucocephalus, 41, 75, 110
 leucocephalus washingtoniensis, 110
 Hanna, Wilson C., black swift in Orange County,
 California, 40; late breeding record for
 the Cassin kingbird, 76; osprey at Bald-
 win Lake, San Bernardino Mountains, 79
 Harmston, F. C., and Knowlton, G. F., insect
 food of the sage thrasher, 76
 Harrison, Ed. N., records of the American brant
 and European widgeon at Tule Lake, Cali-
 fornia, 130
 Hatfield, Donald M., flight behavior of young
 chimney swifts, 125
 Hawbecker, Albert C., a life history study of the
 white-tailed kite, 267
 Hawk, American Rough-legged, 110, 176
 American Sparrow, 60
 Black Pigeon, 37, 128
 Cooper, 110, 128, 229, 269
 Duck, 38, 110, 182, 280
 Ferruginous Rough-legged, 38, 110
 Harris, 59, 110
 Marsh, 38, 41, 110, 172, 229
 Mexican Black, 222
 Red-shouldered, 229
 Red-tailed, 38, 59, 110, 172, 226, 227, 229
 Rough-legged, 229
 Sharp-shinned, 110
 Sparrow, 38, 60, 68, 110, 128
 Swainson, 38, 59, 64, 110, 222, 284
 Western Pigeon, 176
Hedymeles melanocephalus, 63, 80, 114
 melanocephalus melanocephalus, 181
 melanocephalus papago, 34
Heleodytes brunneicapillus couesi, 62
 Hellmayr, Charles E., portrait of, 234
 Herman, Carlton M., Jankiewicz, Harry A., and
 Saarni, Roy W., coccidiosis in California
 quail, 168
- Heron, Black-crowned Night, 109, 229
 Great Blue, 109, 226, 229
 Green, 35, 229
 Night, 87
Hesperiphona vespertina, 66
 Hiatt, Robert W., a second record for the Cala-
 veras warbler in the state of Montana, 38
 Hibben, Mrs. Frank C., Pacific eider nesting at
 Glacier Bay, Alaska, 182
Himantopus mexicanus, 80, 229
Hirundo erythrogaster, 173
 serripennis, 214
 Hummingbird, Allen, 173, 192, 195, 196
 Anna, 129, 194, 201, 282
 Argentine Glittering, 190
 Black-chinned, 197, 282, 283
 Black-throated, 197
 Broad-billed, 60
 Broad-tailed, 190
 Calliope, 190, 195, 282
 Costa, 60, 64, 195, 282, 283
 Guiana King, 197
 Heloise, 197
 Lucifer, 195
 Rieffer, 197
 Rivoli, 199
 Rufous, 195, 282
 Ruby-throated, 189, 193, 195
 Violet-eared, 195
 White-eared, 196
 Hunter, J. S., blue-winged teal with young in
 Honey Lake Valley, California, 228
Hydroprogne caspia, 229, 230
Hylocharis leucotis, 196
Hylocichla fuscescens salicicola, 178
 guttata, 68
 guttata guttata, 113, 178
 minima aliciae, 178
 ustulata, 173
 ustulata swainsoni, 178
 ustulata ustulata, 178
- I**
- Ibis, White-faced Glossy, 109, 230, 288
 Wood, 184
Icteria virens longicauda, 180
Icterus bullockii, 63, 79, 114
 cucullatus, 71
 cucullatus nelsoni, 63
 galbula, 34, 79
 parisorum, 63
Ictinia mississippiensis, 109
Ixobrychus exilis, 183, 229
- J**
- Jaeger, Long-tailed, 29, 37
 Parasitic, 29
 Pomarine, 29
 Jankiewicz, Harry A., Herman, Carlton M., and

- Saarni, Roy W., coccidiosis in California quail, 168
- Jay, Arizona, 62
 Blue, 113, 163
 Brown, 160
 California, 170
 Piñon, 113
 Woodhouse, 62, 113
- Jewett, Stanley G., some new bird records from Oregon, 36; an unrecorded Eskimo curlew from Colorado, 74; interior dowitcher in the state of Washington, 79; the European starling in California, 79
- Junco hyemalis, 238, 252
 hyemalis cismontanus, 238, 240, 245, 250
 hyemalis hyemalis, 115, 185, 238, 240, 241
 oreganus, 80, 115, 238-263
 oreganus montanus, 115, 238, 240, 241, 243, 245, 249, 250, 262
 oreganus oreganus, 238, 240, 241, 245, 248, 249, 250, 262
 oreganus pinosus, 240, 241, 242, 245, 246, 248, 249, 250, 262
 oreganus shufeldti, 115, 238, 240, 241, 245, 247, 249, 250, 262
 oreganus thurberi, 238, 240, 241, 243, 245, 249, 250, 262
- Junco, 237-263
 Oregon, 80, 115, 238-263
 Slate-colored, 115, 185, 238, 252, 255
- ### K
- Kenyon, Karl W., notes on the occurrence of some pelagic birds off San Diego County, California, 232
- Killdeer, 81, 111, 127, 170, 184
- Kingbird, Arkansas, 61
 Cassin, 37, 61, 76, 223
 Eastern, 112
 Lichtenstein, 34
 Western, 112, 226
- Kingfisher, Belted, 68, 112, 184
- Kinglet, Eastern Golden-crowned, 114
 Ruby-crowned, 114, 128, 178, 185
- Kite, Everglade, 274
 Mississippi, 109
 White-tailed, 231, 267-276
- Kittiwake, Pacific, 29
- Knowlton, G. F., and Harmston, F. C., insect food of the sage thrasher, 76
- ### L
- Laing, Hamilton M., birds of the coast of central British Columbia, 175
- Lanius ludovicianus, 62, 114
- Lark, Horned, 113, 172
 Scorched Horned, 61, 64
- Larus argentatus, 230
 argentatus smithsonianus, 111, 230
 californicus, 19, 81, 107, 230
 canus brachyrhynchus, 176
 delawarensis, 19, 105, 111
 glaucescens, 19
 heermanni, 232
 occidentalis, 19, 85
 philadelphia, 19, 81, 125
 pipixcan, 33, 226
- Leopold, Aldo, a raptor tally in the northwest, 37
- Limnodromus griseus, 111
 griseus hendersoni, 37, 79
 griseus scolopaceus, 222
- Limosa haemastica, 34
 lapponica baueri, 34
- Lofberg, Lila, and Malcomson, David, review of their "Sierra Outpost," 42
- Longhurst, William M., the summer food of burrowing owls in Costilla County, Colorado, 281
- Longspur, Chestnut-collared, 225
 Lapland, 115
 McCown, 115, 225
- Loon, 109, 265
 Pacific, 20, 175, 183, 229, 264, 265
 Red-throated, 20
 Yellow-billed, 33
- Lophodytes cucullatus, 109
- Lophortyx californica, 129, 169, 173, 229, 285
 californica brunescens, 36
 gambelii, 280
 gambelii gambelii, 60
- Lunda cirrhata, 264
- ### M
- Mallard, 81, 109, 229
- Mareca americana, 109, 229
 penelope, 130
- Marshall, Joe T., Jr., food and habitat of the spotted owl, 66; *Melospiza melodia virginis* a synonym of *Melospiza melodia fallax*, 233; review of Loye Miller's "Music in Nature," 234
- Marshall, Joe T., Jr., and Behle, William H., the song sparrows of the Virgin River valley, Utah, 123
- Martin, Patrick W., notes on some pelagic birds of the coast of British Columbia, 27
- Martin, Purple, 68, 75, 177, 288
 Western, 62, 64
- McAtee, W. L., trade value of the beak of the ivory-billed woodpecker, 41; another woodpecker bill once having commercial value, 185; tribute to Charles W. Richmond, 286
- McKernan, Donald L., and Scheffer, Victor B., unusual numbers of dead birds on the Washington coast, 264
- Meadowlark, 172
 Western, 81, 114, 128, 181

- Megaceryle alcyon, 68, 184
 alcyon alcyon, 112
 Melanitta deglandi, 20, 264
 perspicillata, 20
 Melopelia asiatica, 280
 Melospiza fasciata montana, 233
 lincolni, 72
 lincolni lincolni, 115, 128
 melodia, 115, 122, 172
 melodia fallax, 122, 233
 melodia montana, 233
 melodia saltonis, 122, 225
 melodia virginis, 123, 233
 Merganser, American, 20, 109, 184, 222, 229
 Hooded, 109
 Red-breasted, 20
 Mergus merganser, 20, 184, 222, 229
 merganser americanus, 109
 Merriam, C. Hart, notice of death of, 131
 Michael, Charles, notice of death of, 42
 Micropallas whitneyi whitneyi, 60
 Miller, Alden H., review of Part 9 of "Birds of North and Middle America" by Ridgway and Friedmann, 42; differentiation of the oven-birds of the Rocky Mountain region, 185; shower bathing of a spotted towhee, 232
 Miller, Alden H., and Sibley, Chas. G., an Oligocene hawk from Colorado, 39; a new species of crane from the Pliocene of California, 126
 Miller, Loye, some tagging experiments with black-footed albatrosses, 3; succession in the cathartine dynasty, 212; review of his "Music in Nature," 234; a new fossil bird locality, 283
 Mimus polyglottos, 62, 68, 113
 polyglottos polyglottos, 34
 Mockingbird, 62, 64, 68, 113, 287
 Eastern, 34
 Moffitt, James, a nesting colony of ring-billed gulls in California, 105
 Moho, 280
 Molothrus ater, 10, 114, 181
 ater obscurus, 63
 bonariensis, 10
 rufo-axillaris, 10
 Monson, Gale, notes on some birds of southeastern Arizona, 222
 Munro, J. A., the use of duck feathers by nesting marsh wrens, 126
 Murrelet, Ancient, 232
 Murre, 93
 California, 264, 265
 Muscivora forficata, 112, 228
 Myadestes, 280, 281
 townsendi, 113, 284
 Myiarchus cinerascens cinerascens, 61, 112
 cinerascens pertinax, 184
 tuberculifer olivascens, 223
 tyrannulus magister, 61
 Mycteria americana, 184
 Myiochanes richardsonii richardsonii, 61
 virens, 112
- N
- Neff, Johnson A., migration of the tricolored redwing in central California, 45
 Nephocetes niger, 40
 Nettion, 229
 carolinense, 81, 109
 crecca, 33
 Nighthawk, 112, 229
 Lower California, 73
 Texas, 60
 Nucifraga columbiana, 177
 Numenius americanus, 111, 222
 borealis, 74
 Nutcracker, Clark, 177
 Nuthatch, Pigmy, 36
 Nuttallornis borealis, 61, 112
 Nycticorax nycticorax, 87, 229
 nycticorax hoactli, 109
 Nyroca affinis, 109, 184, 229
 americana, 109, 129, 184, 222
 collaris, 109
 valisineria, 109
- O
- Oberholseria chlorura, 170
 Oceanodroma furcata, 29
 leucorhoa beali, 28
 Oreortyx picta, 169
 Oreoscoptes montanus, 76, 113, 224
 Oriole, Arizona Hooded, 63
 Baltimore, 34
 Bullock, 63, 114
 Hooded, 71
 Scott, 63, 64, 287
 Ortalida wagleri, 77
 Ortalis leucogastra, 77
 vetula, 77
 wagleri, 77
 Osprey, 79, 110, 229
 Otocoris alpestris, 113, 172, 282
 alpestris adusta, 61
 Otus asio, 66
 asio gilmani, 60
 Oven-bird, 185
 Gray, 185
 Owl, Arctic Horned, 177
 Barn, 111, 128, 229, 274
 Burrowing, 38, 111, 183, 223, 229, 281, 282
 Flammulated Screech, 67
 Florida Burrowing, 281
 Horned, 35, 60, 111, 128, 129, 213, 229, 284, 285
 Long-eared, 112, 177, 285
 Northern Spotted, 177
 Pigmy, 67

- Saguaro Screech, 60
 Saw-whet, 55, 66, 68, 177
 Screech, 66, 67
 Short-eared, 38, 67, 129, 182, 229
 Spotted, 33, 66
 Whitney Elf, 60
Oxyechus vociferus, 81, 111, 170, 184
 Oyster-catcher, American, 209
 Black, 205

P

- Palaeoplancus sternbergi*, 39
Pandion haliaëtus, 79, 229
 haliaëtus carolinensis, 110
Parabuteo unicinctus, 59
 unicinctus harrisi, 110
Parapavo californicus, 283, 284
Passer domesticus, 63, 114, 128, 173
Passerculus sandwichensis, 115, 172, 282
 sandwichensis nevadensis, 128
Passerherbulus caudacutus, 115
Passerina amoena, 181, 224
 ciris, 115
 cyanea, 71, 224
 versicolor pulchra, 64
Pelecanus erythrorhynchos, 19, 77, 109, 175, 229
 occidentalis, 19, 229
 occidentalis californicus, 116
Pelican, Brown, 19, 20, 229
 California Brown, 116
 White, 19, 77, 109, 175, 229
 Peterson, James G., salt feeding habits of the house finch, 73; social behavior of the Oregon junco, 80
Petrel, Beal, 28
 Forked-tailed, 29, 288
 Petrides, George A., and Petrides, Miriam P., the scissor-tailed flycatcher on the Florida Keys, 228
Petrochelidon albifrons, 113, 173
 albifrons melanogaster, 223
Pewee, Eastern Wood, 112
 Western Wood, 61, 64
Phaeopus hudsonicus, 184
Phaeornis, 280, 281
Phaethornis guyi superciliosus, 199
Phainopepla nitens, 62, 64
Phalacrocorax, 229
 aristotelius, 98, 99
 auritus, 13, 94, 98, 109, 184, 229
 auritus floridanus, 21
 carbo, 13, 95, 98
 pelagicus, 85
 penicillatus, 19, 85, 90, 99, 232
Phalaenoptilus nuttalli, 60, 130
 nuttalli nuttalli, 130
Phalarope, Red, 111
 Wilson, 81, 111
Phalaropus fulicarius, 111
 Phillips, Allan R., and Sutton, George Miksch,
 June bird life of the Papago Indian Reservation, Arizona, 57; the northern races of *Piranga flava*, 277
Phoebe, Black, 34, 37, 173
 Eastern, 112
 Say, 61, 64, 112, 182
Pica morio, 165
Picus pileatus, 185
Pigeon, Band-tailed, 60, 223, 288
 Passenger, 74
Pinicola enucleator, 181
 enucleator californica, 280
Pintail, 109
 American, 229
Pipilo fuscus, 173
 fuscus carolae, 171
 fuscus mesoleucus, 64
 maculatus, 115, 173, 232
 maculatus falcinellus, 171
 maculatus montanus, 64
Piranga erythromelas, 34
 flava, 277-279
 flava dextra, 277-279
 flava hepatica, 63, 277-279
 flava oreophasma, 277-279
 flava zimmeri, 277, 278
 ludoviciana, 63, 71, 114
 rubra, 63
 rubra cooperi, 224
Pisobia bairdii, 111
 fuscicollis, 33
 melanotos, 111
 minutilla, 111, 184
 Pitelka, Frank A., high population of breeding birds within an artificial habitat, 172; territoriality and related problems in North American hummingbirds, 189; review of Twomey's "Birds of the Uinta Basin, Utah," 287
 Pitelka, Frank A., and Bryant, Monroe D., available skeletons of the passenger pigeon, 74
Plegadis guarauna, 109, 230
Plover, Black-bellied, 36, 37, 184
 Pacific Golden, 36
 Snowy, 81
 Upland, 111
Pluvialis dominica fulva, 36
Podilymbus podiceps, 20, 183, 184, 229
 podiceps podiceps, 109
Polioptila caerulea, 62, 69, 113
 melanura melanura, 62
Polyborus cheriway, 222
Pooecetes gramineus, 77, 115
 gramineus affinis, 33
Poor-will, 60, 130
Porzana carolina, 78, 111
Progne subis, 68, 75
 subis hesperia, 62
 subis subis, 177

- Psaltriparus minimus*, 62, 223
minimus plumbeus, 113
Psilorhinus mexicanus, 165
morio, 160-165
Puffin, 182
 Tufted, 264, 265
Puffinus carneipes, 28, 33
 creatopus, 27
 griseus, 27, 264
 opisthomelas, 27, 232
 tenuirostris, 232
Pygmornis longuemareus, 199
 ruber, 199
Pyrocephalus rubinus mexicanus, 61
Pyrrhuloxia, Arizona, 63, 64
Pyrrhuloxia sinuata sinuata, 63
- Q**
- Quail*, California, 36, 129, 168, 173, 229, 285
 Coastal California, 36
 Gambel, 60, 280
 Mearns, 60
 Mountain, 169
 Scaled, 110
Quaintance, Charles W., American redstart in eastern Oregon, 282
Querquedula, 229
 cyanoptera, 75, 81, 109, 175
 discors, 109, 227, 228
Quiscalus quiscula aeneus, 114
- R**
- Rail*, California Clapper, 228
 Clapper, 43
 Farallon, 43
 Sora, 78, 111
 Virginia, 43, 129, 229
 Yellow, 230
Rallus limicola, 129, 229
 limicola zetarius, 43
 longirostris, 43
 obsoletus obsoletus, 228
 virginianus pacificus, 43
Raven, 94, 172, 227, 229
 American, 62, 128
 White-necked, 62, 64
Recurvirostra americana, 81, 111, 229
Redhead, 109, 222
Redstart, American, 180, 282
 Painted, 63, 76
Regulus satrapa satrapa, 114
Rhynchophanes mccownii, 115, 225
Richardson, Frank, use of rocks in Say phoebe's nest, 182
Richmond, Charles W., tribute to, 286
Richmondia cardinalis planicola, 114
 cardinalis superba, 63
Riparia riparia riparia, 113
Rissa tridactyla pollicaris, 29
Road-runner, 60, 111
Robin, 113, 173
 Western, 130
- S**
- Saarni*, Roy W., Herman, Carlton M., and Jan-kiewicz, Harry A., coccidiosis in California quail, 168
Sage Hen, 128
Salpinctes obsoletus obsoletus, 62, 113
Sanderling, 230
Sandpiper, Baird, 111
 Curlew, 33
 Least, 111, 184
 Pectoral, 111, 288
 Solitary, 81, 111
 Spotted, 111, 184
 Western, 81, 111, 176
 White-rumped, 33
Sapsucker, Natalie, 34
 Yellow-bellied, 112
Sarcoramphus papa, 212
Sargent, Mrs. M. C., Pacific gull color-banding project, 78
Sayornis nigricans, 173
 nigricans nigricans, 34
 phoebe, 112
 saya, 61, 182
 saya saya, 112
Scardafella inca, 223
Scaup, Lesser, 109
Scheffer, Victor B., and McKernan, Donald L., unusual numbers of dead birds on the Washington coast, 264
Scoter, Surf, 20
 White-winged, 20, 264, 265
Seibert, Milton L., occurrence and nesting of some birds in the San Francisco Bay region, 68
Seiurus aurocapillus, 185
 aurocapillus aurocapillus, 185
 aurocapillus cinereus, 185
 noveboracensis, 180
Selasphorus alleni, 173, 189, 201
 alleni sedentarius, 197
 platycercus, 190
 rufus, 195, 200
Setophaga picta, 63, 76
 ruticilla, 180, 282
Shearwater, Black-vented, 232
 Pale-footed, 28, 33
 Pink-footed, 27
 Slender-billed, 232
 Sooty, 27, 264, 265
Shoveller, 81, 109, 229
Shrike, 64
 Loggerhead, 62, 114
Sialia currucoides, 113, 178
 mexicana, 69, 173

- Sibley, Charles G., and Miller, Alden H., an Oligocene hawk from Colorado, 39; a new species of crane from the Pliocene of California, 126
- Siskin, Northern Pine, 115
Pine, 73, 128, 173
- Skua, 29, 218
Chilean, 218
- Slipp, John W., green heron at Tacoma, Washington, 35; the black tern in western Washington, 125; black pigeon hawk taken in eastern Washington, 128; Franklin gull in Idaho, 226
- Slipp, J. W., and Flahaut, M. R., winter records of the sora rail in Washington, 78
- Snipe, Wilson, 35, 111
- Solitaire, 280
Townsend, 113, 284
- Somateria mollissima v-nigra, 182
spectabilis, 33
v-nigra, 33
- Sooter, Clarence A., vesper sparrow and white pelican as late migrants in Oregon, 77; habits of horned and short-eared owls, 129; duck hawk takes short-eared owl, 182
- Sooter, Clarence A., Cottam, Clarence, and Griffith, Richard E., the European starling in New Mexico, 182; the yellow rail and the Caspian tern in New Mexico, 230
- Sora, 78, 111
- Sparrow, Black-chinned, 71
Brewer, 225
Cassin, 115
Clay-colored, 115, 225
Desert, 64
Desert Song, 225
English, 63, 114, 128, 173
Gambel White-crowned, 260
Golden-crowned, 171
Grasshopper, 224, 288
Lark, 115, 171
Leconte, 115
Lincoln, 72, 115, 128
Mexican Black-chinned, 225
Nevada Savannah, 128
Northern Sage, 34
Nuttall White-crowned, 252, 257
Rock, 115
Rufous-winged, 64
Savannah, 115, 172, 288
Scott, 64
Song, 115, 122, 128, 172, 177
Vesper, 77, 115
Western Chipping, 115, 224
White-crowned, 72, 128, 171, 173, 240, 252, 254, 255, 261
White-throated, 44, 72
- Spatula clypeata, 81, 109, 229
- Speotyto cunicularia, 183, 223, 229, 281
cunicularia hypugaea, 111
- Sphyrapicus thyroideus nataliae, 34
varius, 112
- Spinus lawrencei, 73
pinus, 173
pinus pinus, 115
psaltria, 73
psaltria hesperophilus, 34, 64
psaltria psaltria, 115
tristis, 173
tristis pallidus, 224
tristis salicamans, 181
- Spizella atrogularis, 71
atrogularis atrogularis, 225
breweri breweri, 225
pallida, 115, 225
passerina arizonae, 115, 224
passerina mexicana, 224
- Squatarola squatarola, 184
- Starling, 41, 254
European, 79, 182
- Steganopus tricolor, 81, 111
- Stelgidopteryx ruficollis, 173, 214
ruficollis aphractus, 214
ruficollis decolor, 217
ruficollis fulvipennis, 216, 217
ruficollis psammochrous, 214, 216
ruficollis ridgwayi, 217
ruficollis serripennis, 214-217
ruficollis stuarti, 217
ruficollis uropygialis, 217
salvini, 216
- Stellula calliope, 189
- Stercorarius longicaudus, 29, 37
parasiticus, 29
pomarinus, 29
- Sterna antillarum, 111
forsteri, 20, 33, 106
hirundo, 125
- Stevenson, James O., whooping crane in Texas in summer, 40; birds of the central panhandle of Texas, 108
- Stilt, Black-necked, 81, 229
- Stott, Ken, Jr., an unusual concentration of hummingbirds, 282
- Strix occidentalis, 35, 66
occidentalis caurina, 66, 177
- Sturnella neglecta, 81, 114, 172, 181
- Sturnus vulgaris, 41, 79, 182
- Sumner, E. Lowell, Jr., another Wilson snipe perches on a telephone pole, 35
- Sutton, George Miksch, pigmy nuthatch in Oklahoma, 35; winter range of Oklahoma's hybrid orioles, 79
- Sutton, George Miksch, and Gilbert, Perry W., the brown jay's furcular pouch, 160
- Sutton, George Miksch, and Phillips, Allan R., June bird life of the Papago Indian Reservation, Arizona, 57; the northern races of Piranga flava, 277

Swallow, Bank, 113
 Barn, 173
 Cliff, 113, 173
 Mexican Cliff, 223
 Rough-winged, 173, 214
 Swan, Whistling, 229
 Swift, Black, 40
 Chimney, 125
 White-throated, 60, 64, 280
 Synthliboramphus antiquus, 233

T

Tanager, 277
 Cooper, 224
 Hepatic, 63
 Scarlet, 34
 Summer, 63
 Western, 63, 71, 114
 Tangavius aeneus milleri, 63
 Taverner, P. A., woodpecker efficiency, 36
 Teal, 229
 Blue-winged, 109, 227, 228
 Cinnamon, 75, 81, 109, 175
 Green-winged, 81, 109
 Telmatodytes palustris plesius, 126
 Teratornis merriami, 212
 Tern, Black, 81, 111, 125, 223
 Caspian, 229, 230
 Common, 125
 Forster, 20, 33, 106
 Least, 111
 Test, Frederick H., and Test, Avery R., food of
 the California clapper rail, 228
 Thalurania glaucopsis, 195
 Thrasher, Bendire, 62, 64
 Brown, 113
 Crissal, 62
 LeConte, 62, 64
 Palmer, 62, 64
 Sage, 76, 113, 128, 224
 Thrush, Alaska Hermit, 113
 Hermit, 68
 Russet-backed, 173
 Thryomanes bewickii, 173
 bewickii cryptus, 113
 bewickii drymoecus, 170
 bewickii eremophilus, 62
 Titmouse, Black-crested, 113
 Bridled, 62
 Topaza pella, 195, 197, 199
 Totanus flavipes, 111
 melanoleucus, 111, 184
 Towhee, Brown, 171, 173
 Canyon, 64
 Green-tailed, 170
 Spotted, 64, 115, 171, 173, 232
 Toxostoma bendirei, 62
 curvirostre, 184
 curvirostre palmeri, 62
 dorsale dorsale, 62

lecontei lecontei, 62
 rufum, 113
 Tringa solitaria, 81, 111
 Turdus, 280, 281
 migratorius, 113, 173
 migratorius propinquus, 130
 poliocephalus, 280
 Turkey, California, 283, 284
 Turnstone, Ruddy, 81
 Twomey, Arthur C., review of his "Birds of the
 Uinta Basin, Utah," 286
 Tyrannus melancholicus chloronotus, 34
 tyrannus, 112
 verticalis, 61, 112
 vociferans, 37, 61, 76, 223
 Tyto alba, 128, 229, 274
 alba pratincola, 111

U

Uria aalge, 93
 aalge californica, 264
 Urubitinga anthracina, 222

V

Van Rossem, A. J., four new woodpeckers from
 the western United States and Mexico, 22;
 the lower California nighthawk not a rec-
 ognizable race, 73; the systematic position
 of *Ortalis wagleri* Gray, 77; a note on
 the western robin in the Pasadena area,
 130; range extensions of three Lower Cali-
 fornia birds, 184
 Verdin, 62, 185
 Vermivora celata, 224
 celata celata, 114, 128, 224
 celata orestera, 128
 luciae, 63, 224
 peregrina, 179
 ruficapilla ridgwayi, 38, 224
 ruficapilla ruficapilla, 114
 virginiae, 224
 Vireo bellii, 224
 bellii arizonae, 63
 gilvus swainsoni, 179
 huttoni huttoni, 178
 olivaceus, 179
 solitarius, 224
 Vireo, Arizona, 63
 Bell, 224
 Hutton, 178
 Red-eyed, 179
 Solitary, 185, 224
 Western Warbling, 179
 Vultur gryphus, 30, 212
 Vulture, Black, 30, 59, 64, 212
 Royal, 212
 Turkey, 59, 109, 149, 172, 176, 212

W

- Warbler, Audubon, 69, 114, 128
 Bay-breasted, 34
 Black-poll, 180
 Black-throated Gray, 63, 71, 180
 Calaveras, 38, 224
 Eastern Yellow, 63, 64
 Grace, 224
 Hermit, 224
 Lucy, 63, 224
 Nashville, 114, 185
 Northern Parula, 224
 Northern Pileolated, 114, 127
 Orange-crowned, 114, 128, 224
 Pileolated, 132
 Tennessee, 179
 Tolmie, 128
 Townsend, 128
 Virginia, 224
 Yellow, 64, 114, 173
 Warren, Edward R., biography of Robert B. Rockwell, 54
 Water-thrush, 180
 Waxwing, Bohemian, 114
 Cedar, 114, 178
 Webster, J. Dan, notes on the growth and plumages of the black oyster-catcher, 205
 Widgeon, European, 130
 Williams, C. S., soaring snow geese, 76
 Williams, Laidlaw, display and sexual behavior of the Brandt cormorant, 85
 Wilsonia pusilla pusilla, 127
 pusilla pileolata, 114, 127
 Wing, Leonard, contacts of ravens with other species, 227
 Wolfson, Albert, regulation of spring migration in juncos, 237
 Wood, Dr. Casey A., notice of death of, 82
 Woodpecker, Acorn-storing, 61
 Arizona, 61
 Cactus, 61
 California, 44, 229
 Colorado River Gila, 22

- Downy, 36, 177
 Gila, 60
 Golden-fronted, 112
 Ivory-billed, 41
 Ladder-backed, 184
 Lewis, 44, 128, 223, 226
 Mohave ladder-backed, 26
 Nuttall, 26
 Pileated, 36
 Sitka Hairy, 34, 177
 Texas, 112

- Wool, Albert John, and Work, Telford Hindley, the nest life of the turkey vulture, 149
 Work, Telford Hindley, and Wool, Albert John, the nest life of the turkey vulture, 149
 Wren, Bewick, 170, 173
 Canyon, 62, 113
 Common Rock, 62
 Desert Bewick, 62
 Northern Cactus, 62
 Rock, 64, 113
 Texas Bewick, 113
 Western Marsh, 126
 Wren-tit, 281

X

- Xanthocephalus xanthocephalus, 114
 Xema sabinii, 29

Y

- Yellow-legs, Greater, 111, 184
 Lesser, 111
 Yellow-throat, 63, 64, 114
 Golden, 224

Z

- Zenaida asiatica, 60
 Zenaidura macroura, 60, 74, 111, 229, 280
 macroura marginella, 170, 176
 Zonotrichia albicollis, 72
 coronata, 171
 leucophrys, 72, 171, 172, 240, 252
 leucophrys gambelii, 171