

INDEX TO VOLUME 68, 1956

This index includes, in addition to names of species and authors, references to the following topics: anatomy, behavior, conservation, food habits, fossils, geographic localities, migration, nesting, plumages, predation, voice, and weights. Also included are references of biological significance to mammals and reptiles. Names of new forms described in this volume are printed in **boldface** type.

- Accipiter cooperii*, 77, 179
 gentilis, 78
 striatus, 100, 179
Acrocephalus scirpaceus, 140
Actitis macularia, 105
 Adams, William H., Jr., Water moccasin as a predator on birds, 158
Agelaius phoeniceus, 5-37, 129-150, 154
 p. assimilis, 7
 tricolor, 23, 145
Agriocharis ocellata, 42, 44
Aimophila cassinii, 75
Aix sponsa, 275
 Alabama, 326
 Alaska, 323
Alauda, 187
Alectoris graeca, 80
 America, Central, 108, 118, 327
 America, South, 108, 322
Ammoperdix griseogularis, 81
Anas, 41, 45
 acuta, 27, 100, 103, 275, 320
 americana, 103
 carolinensis, 41, 100, (103), 158, 276
 clypeata, 103, 275
 crecca, 103, 280
 cyanoptera, 41
 discors, 41, 103, 104
 platyrhynchos, 27, 100, 275-281, 320
 rubripes, 275, 320
 Anatidae, 41
 Anatomy, 271, 282-304
Ani, Smooth-billed, 105
Anthus, 187
 spinoletta, 52, 95, 100
 s. rubescens, 153
 Antilles, Greater, 108, 109
 Antilles, Lesser, 108
Anser cygnoides, 68
Aramus guarana, 158
Ardea, 40
 herodias, 100, 104
 Ardeidae, 38, 40
Arenaria interpres, 213
 i. morinella, 105
 Arizona, 77
 Arkansas, 305
Apteryx, 191
Asio flammeus, 91-102
 Atkeson, Thomas Z., Records of the buff-breasted sandpiper for Alabama, 326
Aythya affinis, 100
 americana, 100, 279
 collaris, 158
 marila, 100, 320
 valisineria, 27, 100, 103, 280, 320
 Baffin Island, 52, 210
 Bagg, Aaron M., review by, 85-86
 Baird, James, Lark sparrow collected in Rhode Island, 326
 Balaenicipitidae, 39
 Baldwin, Paul H., Breeding record of Brewer sparrow in northwestern Montana, 251
 Bastin, Eric W., Wilson petrel in southern Ontario, 76
 Becard, Rose-throated, 77
 Beer, James R., Louis D. Frenzel and Norman Hansen, Minimum space requirements of some nesting passerine birds, 200-209
 Behavior, 5-37, 53-54, 68, 70, 74, 93, 118-127, 129-150, 154-156, 157, 159, 176-178, 181, 202-208, 211, 234-236, 243, 275-281
 Bellrose, Frank C., review by, 339
 Berger, Andrew J., The appendicular myology of the sandhill crane with comparative remarks on the whooping crane, 282-304; review by, 271-272
 Bittern, American, 104
 Blackbird, Brewer, 12, 16, 24, 26, 32, 33, 34, 145, 154
 Melodious, 34
 Red-winged, 5-37, 129-150, 154
 Rusty, 34
 Yellow-headed, 21, 24, 26, 28, 33, 34, 131, 145
 Blake, Emmet R., Unusual eggs of the boat-billed heron, 251-252
 Bluebird, Mountain, 72
 Bobolink, 26, 34, 107
Bombycilla cedrorum, 226
Bonasa umbellus, 78
 Booby, Brown, 104
 Red-footed, 104
 Botaurus, 40
 lentiginosus, 104
 Bowman, Robert I., see Miller, Alden H. and—
Brachygalba lugubris, 253
Branta bernicla, 100
 canadensis, 100
 Breckenridge, W. J., Measurements of the habitat niche of the least flycatcher,

- 47-51
Brodkorb, Pierce, Pleistocene birds from
Crystal Springs, Florida, 158
Brooks, Maurice, Winter foods of evening
and pine grosbeaks in West Virginia,
249-250
Bubulcus ibis, 74
Bucco capensis, 252, 253
 macrodactylus, 253
 tamatia, 252, 253
Bucconidae, 252-253
Bucephala clangula, 100, 320
Bunting, Indigo, 159, 226
 Reed, 27, 29, 140
 Snow, 22, 27, 28, 31, 34, 52, 148
 Yellow, 28, 30
Buteo jamaicensis, 100
 j. kriderii, 152
 lagopus, 60, 211, 246
Butorides, 40
 v. virescens, 104
 v. saturatus, 104
Bushman, John B., see Porter, Richard D.,
and———
Cairina moschata, 327
Caldwell, David K., American egret feeding
with cattle, 74
Calidris melanotos, 105
 pusilla, 105 (see Ereunetes)
California, 91, 239
Calypte costae, 152
Canada, 246
Canvasback, 27, 280, 320
Capella gallinago, 101
Capercaillie, 81
Cardinal, 111-117, 129, 159
Caribbean Sea, 103, 107
Carpodacus purpureus, 249
Casmerodius, 40
 albus, 74, 100
Cassidix mexicanus, 145
Catbird, 106, 159, 226
Catharus, 171, 185, 187 (see Hylocichla)
 fuscescens, 171-199
 f. fuscescens, 176-183
 guttatus, 171-199
 g. faxoni, 176-188
 minimus, 106, 108, 171-199
 m. bicknelli, 176-188
 o. occidentalis, 183-194
 ustulatus, 171-199
 u. swainsoni, 106, 108, 176-183
Ceatrophorus semipalmatus, 101
Centurus, 125, 126
 rubricapillus, 120
Cephus grylle, 221
 g. arcticus, 222
 g. mandti, 222
Ceryle alcyon, 105
Chaetura pelagica, 71, 184
Charadrius hiaticula, 212
 h. semipalmatus, 105
 semipalmatus, 210, 212
 vociferus, 101, 230
 wilsonia, 105
Chauelasmus streperus, 276
Chelidoptera tenebrosa, 253
Chen hyperborea, 100
Chicken, Domestic, 68, 151, 321
Chloroceryle inda, 325
Chordeiles minor, 226
 m. gundlachii, 105, 108
Chondestes grammacus, 326
Ciconiiformes, 41
Ciconia, 286
Ciconiidae, 38, 40
Circus cyaneus, 99
Coccyzus a. americanus, 105
 erythrophthalmus, 226
 minor, 107
 minor maynardi, 105
 m. nesiotus, 105
Cochleariidae, 38, 40
Cochlearius, 40
 cochlearius, 251
Colinus virginianus, 154
Columba leucocephala, 105, 107
 livia, 70
 squamosa, 103
Colymbus auritus cornutus, 154
Conservation Section; Poisons and wild-
life, 261-264; Some thoughts concerning
the introduction of exotic game birds,
80-82
Contopus richardsonii, 226
 virens, 108, 189, 226
 v. virens, 105
Coot, American, 104, 277
Corvus brachyrhynchos, 78
 corax, 60, 187, 248
 ossifragus, 187
Costa Rica, 118
Cottam, Clarence, review by, 86-87
Coua, 297
Cowbird, Bay-winged, 24
 Brown-headed, 24, 26, 29, 68
 Shiny, 25
Crane, Lesser Sandhill, 326
 Little brown, 282-304
 Sandhill, 74, 282-304, 325
 Whooping, 73, 282-304
Crocethia alba, 101
Crotophaga ani, 105, 107
Crow, American, 78
 Fish, 187
Cruickshank, Allan D., Nesting heights of
some woodland warblers in Maine, 157
Cuckoo, Black-billed, 226
 Mangrove, 105
 Yellow-billed, 105

- Curlew, Long-billed, 228-231
 Davis, John, review by, 166-167
Dendrocopos, 125
 pubescens, 179
 villosus, 119, 179
Dendroica auduboni, 100
 c. caerulescens, 106
 castanea, 157, 226
 cerulea, 226
 coronata, 157, 204
 c. coronata, 106
 d. dominica, 106
 discolor, 76
 d. discolor, 106
 fusca, 106, 108, 157, 226
 magnolia, 157, 226
 p. palmarum, 106
 pensylvanica, 226
 petechia, 159, 200-208, 226
 tigrina, 106, 245, 320
 virens, 157, 226
 vitellina, 107, 108
 v. nelsoni, 106, 108
 Dexter, Ralph W., Behavior of purple martins with displaced nests, 74
 Dickcissel, 107, 226
 Dilger, William C., Adaptive modifications and ecological isolating mechanisms in the thrush genera *Catharus* and *Hylocichla*, 171-199; Nest-building movements performed by a juvenile olive-backed thrush, 157-158; painting opp. 171
 Dives dives, 34
 Dixon, Keith L., review by, 87, 341
Dolichonyx oryzivorus, 26, 107, 108
 Dowitcher, 93
 Short-billed, 97
Dryocopus lineatus, 124
 Duck, Black, 275, 320
 Muscovy, 327
 Ring-necked, 158
 Wood, 275
Dumetella, 187
 carolinensis, 106, 159, 226
 Ecuador, 127
 Edwards, Ernest P., and Richard E. Tashian, The prothonotary and Kentucky warblers on Cozumel Island, Quintana Roo, Mexico, 73
 Egret, American, 74
 Cattle, 74
 Common, 100
 Snowy, 74, 100
 Egretta, 40
 Eider, Common, 218
Emberiza citrinella, 28
 schoeniclus, 27, 140
 Emberizinae, 25
 Emlen, John T., Jr., Juvenile mortality in a ring-billed gull colony, 232-238; review by, 162-164
Empidonax minimus, 47-51
 traillii, 159, 226, 251
 t. brewsteri, 152
 t. extimus, 152
 t. traillii, 152
 virescens, 226
Ereunetes mauri, 95, 97, 101
 pusillus, 105, 210, 215
Eremophila alpestris, 52, 251
Erithacus rubecula, 140
Erolia (see *Calidris*)
 alpina, 95, 97, 101
 hairdi, 214
 fuscicollis, 210, 213
 maritima, 211, 213
 minutilla, 95, 97, 101
Eudocimus, 38-41
 albus, 39, 41
Euphagus carolinus, 34
 cyanocephalus, 12, 145, 154
Falco columbarius, 100
 c. columbarius, 104
 peregrinus, 60, 100, 211
 p. anatum, 104
 sparverius, 100, 104, 129, 154
 Falcon, Peregrine, 100
 Finch, Purple, 249
 Finches, Galapagos, 179
 Fisher, Harvey I., and Donald C. Goodman, "The Myology of the Whooping Crane, *Grus americana*" (reviewed), 271-272
 Florida, 40, 158, 250
Florida caerulea, 104
 Flycatcher, Acadian, 226
 Alder, 159
 Least, 47-51
 Traill, 152, 226, 251
 Food habits, 94-98, 183, 249-250, 305-311, 320
 Fossils, 38-46, 158, 327
Francolinus francolinus, 81
Fregata magnificens, 107
 m. rothschildi, 104
 Frenzel, Louis D., see Beer, James R., and _____
 Friedmann, Herbert, "The Honey-Guides" (reviewed), 162-164
 Froiland, Sven G., see Krause, Herbert and _____
Fulica americana, 100, 277
 a. americana, 104
 Gadwall, 276
Galbalcyrrhynchus leucotis, 253
Galbula albirostris, 253
 dea, 253
 galbula, 253
 leucogastera, 253
 ruficauda, 253

- tombacea, 253
Galbulidae, 252-253
Gallinula chloropus, 103
Gallus gallus, 68, 151, 321
Geospiza, 179
Geothlypis trichas, 100, 226
 t. brachidactyla, 106
Gibbs, Robert H., Jr., and Sarah Preble
 Gibbs, Rose-throated becard nesting in
 the Chiricahua mountains, Arizona, 77-78
Gibbs, Sarah Preble, see Gibbs, Robert H.,
 Jr., and———
Gnatcatcher, Blue-gray, 159
Goldeneye, 320
Goldfinch, Common, 159
Goodman, Donald C., see Fisher, Harvey I.,
 and———
Goose, Swan, 68
Goshawk, 78
Grackle, Boat-tailed, 145
 Bronzed, 24, 129, 130
Grebe, Horned, 154-156
 "The Birds of Massachusetts." (re-
 viewed), 85-86
Grosbeak, Blue, 226
 Evening, 249-250, 321
 Pine, 249-50
 Rose-breasted, 226
Grouse, Black, 81
 Ruffed, 78
 Sharp-tailed, 78, 228, 251
Grus americana, 73, 272, 282-304
 canadensis, 74, 272, 325
 c. canadensis, 282-304, 326
 c. tabida, 282-304
Guara, 39
Guillemot, Black, 221
Guiraca caerulea, 226
Gull, Black-headed, 236
 Bonaparte, 321
 Glaucous, 60, 218, 219, 248
 Glaucous-winged, 93
 Great Black-backed, 192
 Herring, 60, 192, 218, 219-220, 232, 233,
 235, 236
 Kumlien, 218-219
 Little, 321
 Ring-billed, 93, 232-238, 321
 Sabine, 220
Handley, Charles O., Jr., The northernmost
 nesting of the rough-legged hawk in
 North America, 246-248
Hansen, Norman, see Beer, James R.,
 and———
Harger, Elsworth M., Behavior of a ring-
 necked pheasant on a prairie chicken
 booming ground, 70-71
Harpiprion, 39
 caerulescens, 41
Haverschmidt, F., The nest and egg of
 Tachyphonus phoenicius, 322-323
Hawk, Cooper, 77, 179
 Marsh, 99
 Pigeon, 104
 Red-tailed, 100, 152
 Rough-legged, 60, 211, 246-248
 Sharp-shinned, 100, 179
 Sparrow, 100, 104, 129, 154
Helmitheros vermivorus, 106
Heron, Boat-billed, 251
 Black-crowned Night, 100
 Great Blue, 100, 104
 Green, 104
 Little Blue, 104
 Yellow-crowned Night, 104
Hesperiphona vespertina, 249, 321
Heterocnus, 40
Heterolocha acutirostris, 180
Heteroscelus incanus, 323
Hibbard, Edmund A., An old nesting rec-
 ord for the whooping crane in North
 Dakota, 73-74
Hirundo rustica erythrogaster, 106
Hochbaum, H. Albert, "Travels and Tradi-
 tions of Waterfowl" (reviewed), 339
Huia, 180
Hummingbird, Costa, 152
Hydranassa, 40
Hydroprogne caspia, 239
Hylocichla, 171, 185, 187 (see Catharus)
 fuscescens, 226
 minima, 226
 mustelina, 171-199
 ustulata, 157, 226
Hypnelus ruficollis, 253
Icterinae, 25
Icterus cucullatus, 24
 galbula, 24, 226
 spurius, 108, 226
 s. spurius, 107
Indiana, 321
Iridoprocne bicolor, 105, 156
Ixobrychus, 40
Jacamar, 252-253
Jacamaralcyon tridactyla, 253
Jacamerops aurea, 253
James, Pauline, Destruction of warblers on
 Padre Island, Texas, in May, 1951,
 224-227
Jaeger, 210
 Long-tailed, 211, 217, 218, 245, 247
 Parasitic, 211, 217
 Pomarine, 94, 211, 216-219, 221, 245
Johnson, John C., Jr., Breeding of Cassin's
 sparrow in central Oklahoma, 75-76
Johnston, Richard F., Predation by short-
 eared owls on a salicornia salt marsh,
 91-102
Kansas, 156, 245

- Kendeigh, S. Charles, review by, 269-271
 Kenney, E. Carey, drawing by, opp. 275
 Killdeer, 230
 Kingbird, 12
 Eastern, 105, 248, 251
 Gray, 105
 Kincaid, Edgar B., Jr., Ringed Kingfisher
 at Austin, Texas, 324-325
 Kingfisher, Belted, 105, 325
 Ringed, 325
 Kinglet, Golden-crowned, 246
 Kittiwake, Black-legged, 321
 Kiwi, 191
 Klopfer, Peter H., Comments concerning
 the age at which imprinting occurs, 320-
 321; Goose-behavior by a white leghorn
 chick, 68-69
 Krause, Herbert, and Sven G. Froiland,
 Distribution of the cardinal in South
 Dakota, 111-117
 Lagopus lagopus, 59
 mutus, 52-62, 218
 m. millaisi, 55
 Lamore, Donald, Sparrow hawk preys upon
 American robin, 154
 Lampribis, 39
 rara, 41
 Lark, Horned, 52, 251
 Larus argentatus, 60, 192, 219-220, 232
 a. smithsonianus, 220
 a. thayeri, 220
 delawarensis, 93, 232-238, 321
 glaucescens, 93, 219
 hyperboreus, 60, 218, 248
 kumlieni, 218
 marinus, 192
 minutus, 321
 philadelphia, 321
 ridibundus, 236
 Leathers, Carl L., Incubating American
 robin repels female brown-headed cow-
 bird, 68
 Lepidocolaptes affinis, 125
 Leucophoyx, 40
 thula, 74, 100
 Limpkin, 158
 Limnodromus griseus, 93, 95, 97, 101
 Limnolyphus swainsonii, 104, 106
 Limosa fedoa, 101
 Lincoln, Charles W., Tree swallows playing
 with a feather, 156-157
 Lobipes lobatus, 101, 210, 216
 Lophodytes, 41
 Louisiana, 158
 Lowery, George H., Jr., "Louisiana Birds"
 (reviewed), 341
 Lynn, William M., see Mosby, Larry D.,
 and—
 Lyrurus tetrix, 81
 McCormick, John M., Black ducks eat
 stunned fish, 320
 McCormick, John M., see Mayfield, Harold
 F., and—
 Mahan, Harold D., Nocturnal predation on
 song sparrow eggs by milksnake, 245
 Maine, 157
 Malacoptila fusca, 252
 mystacalis, 253
 panamensis, 253
 striata, 253
 Mallard, 27, 100, 275, 300
 Mammals
 Alopex lagopus, 60, 211
 Dicrostonyx groenlandicus, 60, 211, 248
 Lemmus trimucronatus, 60, 211
 Lepus arcticus, 57, 248
 Microtus californicus, 95
 Mus musculus, 95, 97
 Mustela erminea, 57, 211
 Rangifer arcticus, 59
 Rattus norvegicus, 95, 96
 Reithrodontomys raviventris, 95, 97
 Scapanus latimanus, 95, 97
 Sorex vagrans, 95, 97
 Thomomys bottae, 95, 97
 Man-o'-War Bird, 104
 Mareca americana, 100, (103)
 Martin, Purple, 74
 Maryland, 275
 Mayfield, Harold F., and John M. McCor-
 mick, Purple finch nesting at Toledo,
 Ohio, 249
 Meadowlark, 154
 Eastern, 24, 34, 154
 Western, 97, 98
 Meanley, Brooke, Foods of the wild turkey
 in the White River bottomlands of
 southeastern Arkansas, 305-311
 Megaceryle alcyon, 105, 325
 torquata, 325
 Meleagridae, 42
 Meleagris antiqua, 45
 celer, 45
 crassipes, 44
 gallapavo, 42, 44
 g. silvestris, 305-311
 leopoldi, 42, 44
 richmondi, 44
 superba, 44
 tridens, 45
 Melospiza, 187
 lincolni, 226, 250
 melodia, 15, 95, 97, 100, 139, 200-208,
 245, 251
 Mergus serrator, 100
 Merlin, 100
 Mesembrinus, 39
 cayennensis, 41
 Mexico, 73
 Michigan, 70, 232, 245, 321

- Migration, 6, 108-109, 312-319
Miller, Alden H. and Robert I. Bowman,
Fossil birds of the late Pliocene of Cita
Canyon, Texas, 38-46
Mimocichla plumbea, 107
 p. rubripes, 106, 108
Mimus polyglottos, 22
Minnesota, 47, 111, 200
Mniotilta varia, 106, 226
Mockingbird, 22
Molothrus, 187
 ater, 24, 68
 badius, 24
 bonariensis, 25
Monasa atra, 253
Monroe, Burt L., Jr., Observations of ele-
gant terns at San Diego, California, 239-
244
Monroe, Burt L., Sr., review by, 340
Montana, 251
Mosby, Larry D., and William M. Lynn,
Long-tailed jaeger in Kansas, 245
Mumford, Russell E., Evening grosbeak
nesting in Michigan, 321-322; Little gull
taken in Indiana, 321
Murre, Brunnich, 221
Murie, Adolph, Notes on the nesting of the
wandering tattler, 323-324
Mycteria, 40
Nebraska, 325
Nero, Robert W., A behavior study of the
red-winged blackbird, I. Mating and
nesting activities, 5-37; II Territoriality,
129-150; review by, 341
Nesting, 5-37, 59, 72, 75, 120-127, 146,
157, 159, 247, 249, 322-324
New Jersey, 156
Nice, Margaret M., "Incubation Periods
Through the Ages" (reviewed) 341
Nickell, Walter P., Singing and window-
fighting by female cardinals, 159; Ver-
tical nest placement in the blue-gray
gnatcatcher, 159-160
Nighthawk, 226
 Common, 105
Norris, Robert A., A Lincoln sparrow on
the east coast of Florida, 250-251
North Dakota, 73
Notharcus macrorhynchos, 253
 pectoralis, 253
 tectus, 253
Numenius americanus, 101, 228-231
 phaeopus, 101
Nuthatch, Rock, 180
Nyctanassa, 40
 violacea, 104
Nyctea scandiaca, 53, 210
Nycticorax, 40
 nycticorax, 100
Nystalus chacuru, 252
Oceanites o. oceanicus, 76
Ohio, 249
Oklahoma, 72, 75, 320
Ontario, 76, 246
Oporornis agilis, 153, 156
 formosus, 73, 226
 philadelphia, 156, 226
Oriole, Baltimore, 24, 34, 226
 Hooded, 24
 Orchard, 107, 226
Oropendola, Wagler, 26, 28, 145
Osprey, 104
Otis, 286
Ovenbird, 106, 226, 227
Owl, Short-eared, 91-102
 Snowy, 53, 57, 60, 210, 218
Oxyura jamaicensis, 100
Panama, 327
Pandion haliaetus, 104
Parapavo californicus, 42, 44
Parkes, Kenneth C., review by, 83-84
Parmalee, Paul W., see Smith, Harry R.,
and—
Parmelee, David, F., see Sutton, George M.,
and—
Partridge, Black, 81
 Chukar, 80, 81
 Hungarian, 80
Parula americana, 157, 226
 a. pusilla, 106
Parus major, 148
Passer domesticus, 68, 69
Passerculus sandwichensis, 95, 97, 100,
103, 326
 s. anthinus, 153
Passerella iliaca, 95, 98, 100
Passerina cyanea, 159, 226
Paynter, Raymond A., Jr., Birds of the
Swan Islands, 103-110; "The Ornitho-
geography of the Yucatan Peninsula,"
(reviewed) 87-88
Pediocetes phasianellus, 78, 228, 251
Pelecanus, 286
Pennsylvania, 68
Perdix perdix, 80
Peregrine, 60, 211, 215
Petrel, Wilson, 76
Petrochelidon p. pyrrhonota, 106, 108
Pewee, Wood, 226
 Eastern Wood, 105, 189
Phalarope, Red, 210, 215
 Red-necked (Northern), 210, 216
Phalaropus fulicarius, 210, 215
Pharomachrus mocino, 125
Phasianus colchicus, 70, 80
Pheasant, Ring-necked, 70, 80
Pheucticus ludovicianus, 226
Phimosus infuscatus, 41
Phoenicoparrus, 40
Phoenicopteridae, 38

- Phoenicopterus, 40
 Piculet, Olivaceous, 125
 Piculus rubiginosus, 118-128
 differens, 118
 uropygialis, 118
 Picumnus olivaceus, 125
 Pierce, Robert A., Some thoughts concerning the introduction of exotic game birds, 80-82
 Pigeon, Domestic, 70
 White-crowned, 105
 Pinicola enucleator, 249
 Pintail, 27, 275, 320
 Pipilo, 187
 aberti, 317
 fuscus, 317
 Pipit, Water, 52, 153
 Piranga olivacea, 189, 196
 rubra, 107
 Platypsaris aglaiae, 77
 a. gravis, 78
 a. richmondi, 78
 Plectrophenax nivalis, 22, 52, 148
 Plegadis falcinellus, 41
 gracilis, 38-41
 mexicana, 39
 ridgwayi, 41
 Plover, American Golden, 211, 212
 Black-bellied, 213
 Ringed, 105, 212
 Semipalmated, 210, 212, 214
 Thick-billed, 105
 Plumages, 56, 60-62, 174, 219-220, 240-242, 252-253, 327
 Pluvialis dominica, 211, 212
 Polioptila caerulea, 159
 Poocetes gramineus, 95, 100, 251
 Porter, Richard D., and John B. Bushman, Bird records for Utah, 152-153
 Porzana, 297
 carolina, 104, 158
 Prairie Chicken, 70
 Predation, 78, 91-102, 154, 158, 245
 Progne subis, 74
 Protonotaria citrea, 73
 Ptarmigan, Rock, 52-62, 218
 Scottish Rock, 55
 Willow, 57
 Pterocles, 81
 Puff-birds, 252-253
 Quail, Bobwhite, 154
 Querquedula floridana, 41
 Quetzal, 125
 Quiscalus, 187
 quiscula, 24, 129
 Rail, Clapper, 97, 98, 100
 Sora, 104, 158
 Rallus, longirostris, 95, 97
 Ramsay, A. Ogden, Seasonal patterns in the epigamic displays of some surface-feeding ducks, 275-281
 Rand, A. L., Changes in English sparrow population densities, 69-70
 Rand, A. L., and Melvin A. Traylor, "Manual de las Aves de El Salvador" (reviewed) 166-167
 Raven, 60, 187, 248
 Recurvirostra americana, 101
 Redhead, 279
 Redstart, American, 106, 157, 160, 226, 227
 Redwing, Tricolored, 23, 26, 33, 145
 Reptiles
 Agkistrodon piscivorus, 158
 Lampropeltis doliaata, 245
 Rhode Island, 326
 Richmondia cardinalis, 111-117, 129, 159
 Riggs, Carl D., Nesting of the mountain bluebird in Cleveland County, Oklahoma, 72-73
 Riparia r. riparia, 106, 108
 Rissa tridactyla, 321
 Robin, American, 68, 151, 154, 172, 176, 183, 185
 Robin Redbreast, 140
 Sand Grouse, Oriental, 81
 Sandpiper, Baird's, 214, 215
 Buff-breasted, 326
 Least, 97
 Pectoral, 66, 67, 105
 Purple, 211, 212, 213
 Red-backed, 97
 Semipalmated, 105, 210, 214, 215
 Spotted, 105
 Western, 97
 White-rumped, 210, 211, 213
 Sapsucker, Yellow-bellied, 105
 Scaup, 320
 Scopidae, 39
 Seesee, 81
 Seiurus aurocapillus, 226
 a. aurocapillus, 106
 motacilla, 106
 noveboracensis, 226
 n. limnaeus, 153
 n. notabilis, 106
 Setophaga ruticilla, 106, 157, 226
 Sheffield, O. C., Prairie warbler breeding in Texas, 76-77
 Shelldrake, Ruddy, 277
 Shoveller, 275
 Skutch, Alexander F., Roosting and nesting of the golden-olive woodpecker, 118-128; "Life Histories of Central American Birds" (reviewed) 342
 Sialia currucoides, 72
 Sibley, Charles G., The aftershaft in jacamars and puff-birds, 252-253
 Sitta neumayer, 180
 tephronota, 180
 Smith, Harry R., and Paul W. Parmalee,

- "A Distributional Check List of the Birds of Illinois" (reviewed) 165
Snyder, Dorothy E., see Griscom, Ludlow, and—
Somateria mollissima, 218
Sora, 104
South Dakota, 111
Sowls, Lyle K., "Prairie Ducks" (reviewed) 86-87
Sparrow, Brewer, 251
 Cassin, 75-76
 English, 69
 Field, 159
 Fox, 98
 House, 68, 70
 Lark, 326
 Lincoln, 226, 250
 Savannah, 97, 98, 100, 153, 326
 Song, 15, 24, 31, 97, 100, 139, 200-208, 245, 251
 Vesper, 251
 White-throated, 318
Spinus tristis, 159
Spiza americana, 107, 108, 226
Spizella b. breweri, 251
 pusilla, 159
Sprunt, Alexander, Jr., "North American Birds of Prey" (reviewed) 83-84
Sphyrapicus v. varius, 105
Squatarola squatarola, 101, 213
Starling, 154
Street, Phillips B., Proceedings of the thirty-seventh annual meeting, 254-261
Stercorarius, 60, 210
 longicaudus, 211, 217-218, 245, 247
 parasiticus, 211, 217
 pomarinus, 94, 211, 216-217, 245
Sterna forsteri, 239
 fuscata fuscata, 105
 hirundo, 239
 paradisaea, 210, 221
Sturnella magna, 24, 154
 neglecta, 95, 97, 100, 154
Sturnus, 187
 vulgaris, 154
Sula leucogaster, 107
 l. leucogaster, 104
 sula, 107
 s. sula, 104
Sutton, George M., and David F. Parmelee, On certain charadriiform birds of Baffin Island, 210-223; The rock ptarmigan in southern Baffin Island, 52-62
Swallow, Bank, 106
 Barn, 106
 Cliff, 106
 Tree, 105, 156
Swift, Chimney, 71, 184, 191
Tachyphonus phoenicius, 322
Tadorna ferruginea, 277
Tanager, Scarlet, 189, 196
 Summer, 107
 Red-shouldered, 322
Tashian, Richard E., see Edwards, Ernest P., and—
Tattler, Wandering, 323
Teal, Blue-winged, 104
 European, 280
 Green-winged, 158, 276, 280
Telmatodytes palustris, 97, 100, 129
Tern, Arctic, 210, 211, 221
 Cabot, 241, 243
 Caspian, 239, 241, 242
 Common, 239
 Elegant, 239-244
 Forster, 239, 243
 Royal, 239, 241, 242, 243
 Sandwich, 241
 Sooty, 105
Tetrao urogallus, 81
Texas, 38, 71, 76, 224
Thalasseus elegans, 239-244
 maximus, 239
 sandvicensis, 241
Theristicus, 38-41
 caudatus, 39
Threskiornithidae, 38
Thrush, Hermit, 171-199
 Gray-cheeked, 106, 171-199, 226
 Mistle, 158
 Nightingale, 171
 Olive-backed, 106, 157, 171-199, 226
 Russet Nightingale, 183-194
 Western Red-legged, 106
 Wood, 171-199
Tit, Great, 148
Tomer, John S., Cape May warbler in Oklahoma, 320
Tordoff, Harrison B., Connecticut warbler in Kansas, 156
Totanus flavipes, 101
Towhee, Abert, 317
 Brown, 317
Traylor, Melvin A., review by, 165
Traylor, Melvin A., see Rand, A. L., and—
Tringa flavipes, 105
Tripsurus chrysauchen, 125
Tryngites subruficollis, 326
Turnstone, Ruddy, 105, 213
Turdus, 185, 187
 iliacus, 195
 jamaicensis, 195
 migratorius, 68, 151, 154, 172, 187, 189, 195
 nudigenis, 195
 viscivorus, 158
Turkey, Wild, 305-311
Tympanuchus cupido, 70
Tyrannus dominicensis, 103

- d. dominicensis, 105
tyrannus, 12, 105, 108, 248, 251
- Uria lomvia, 221
- Utah, 152
- Van Tyne, Josselyn, What constitute scientific data for the study of bird distribution?, 63-67; review by, 167
- Veery, 171, 226
- Veniliornis fumigatus, 119
- Verme, Louis J., Goshawk captures American crow, 78
- Vermivora chrysoptera, 226
peregrina, 226
pinus, 226
- Vireo flavifrons, 106
gilvus, 130
griseus noveboracensis, 106, 153
olivaceus, 189, 200-208, 226
philadelphicus, 226
- Vireo, Philadelphia, 226
Red-eyed, 189, 200-208, 226
- Warbling, 130
White-eyed, 106, 153
Yellow-throated, 106
- Voice, 9, 119, 129, 155, 212, 215-218, 242, 246
- Walkinshaw, Lawrence H., Sandhill cranes killed by flying into power line, 325
- Wallace, George J., A case of microphthalmia in the American robin, 151-152
- Warbler, Bay-breasted, 157, 225-226
Black-and-white, 106, 226
Blackburnian, 106, 157, 225-226
Black-throated Blue, 106
Black-throated Green, 157, 226
Blue-winged, 225-226
Cape May, 106, 245-246, 320
Cerulean, 225-226
Chestnut-sided, 225-226
Connecticut, 153, 156
Golden-winged, 226
Hooded, 106, 226
Kentucky, 73, 226
Magnolia, 157, 225-226
Mourning, 156, 226
Myrtle, 106, 157, 204
Palm, 106
Parula, 106, 157, 226
Prairie, 76, 106
Prothonotary, 73
Reed, 140
Swainson, 106
Tennessee, 226
Vitelline, 106
Worm-eating, 106
Yellow, 159-160, 200-208, 226
Yellow-throated, 106
- Warner, Dwain W., review by, 342
- Waterthrush, Louisiana, 106
Northern, 106, 153, 226
- Washington, 228
- Waxwing, Cedar, 226
- West Indies, 108
- West Virginia, 249
- Wetmore, Alexander, The muscovy duck in the Pleistocene of Panamá, 327
- Williams, George C., Altitudinal records for chimney swifts, 71-72
- Wilson Ornithological Society
Editorial Notes, 79, 266, 328
Letter to the Editor, 264-266, 328
Library, 82, 161, 267-268, 319, 329-338
New Life Member, 167, 304, 311, 343
Ornithological Literature, 83-88, 162-167, 269-272, 339-343
Proceedings of the thirty-seventh annual meeting, 254-261
Research Grant Committee, 161
- Wilsonia citrina, 106, 108, 226
- Wisconsin, 5, 129
- Wolfson, Albert, (ed.), "Recent Studies in Avian Biology" (reviewed) 269-271
- Wood, Casey A., and F. Marjorie Fyfe (eds.), "The Art of Falconry" (reviewed) 340
- Woodhewer, Allied, 125
- Woodpecker, Downy, 179
Golden-naped, 125
Golden-olive, 118-128
Hairy, 119, 120, 126, 179
Lineated, 124, 126
Red-crowned, 120, 121, 126
Smoky-brown, 119
- Woolfenden, Glen E., Preening and other behavior of a captive horned grebe, 154-156
- Wren, Long-billed marsh, 129, 130
Marsh, 97, 98
- Xanthocephalus xanthocephalus, 21, 131
- Xema sabinei, 220
- Yapp, W. B., Two physiological considerations in bird migration, 312-319
- Yeager, Lee E., Poisons and wildlife, 261-264
- Yellow-legs, Lesser, 105
- Yellowthroat, 106, 226, 227
- Yocom, Charles F., Re-establishment of breeding populations of long-billed curlews in Washington, 228-231
- Zarhynchus wagleri, 26, 145
- Zimmerman, Dale A., Cape May warbler summering in lower Michigan, 245-246
- Zonotrichia albicollis, 318
- Zoological Record, Aves (reviewed) 167