

INDEX TO VOLUME 80, 1968
BY MILDRED STEWART AND TANYA HALL

This index includes, in addition to names of genera, species, and authors, references to the following topics: Anatomy, banding, behavior, breeding, distribution, ecology, food habits, fossils, habitat, hatching, hybrids and hybridization, incubation, measurements, migration, molts and plumages, mortality, nesting, parasitism, physiology, populations, predation, preening, taxonomy, territory, voice, weather, and weights.

- Acanthis flammea*, 253–278, 438
 f. flammea, 253
 hornemanni, 253–278
 h. exilipes, 253
Accipiter cooperii, 481
 striatus, 481
Actitis macularia, 104, 152, 335
Adams, Bruce, Black-throated Gray Warbler
 and Virginia's Warbler banded in New
 Jersey, 237
Aegolius acadicus, 232
Agapornis fischeri, 169
 roseicollis, 169
Agelaius phoeniceus, 99, 105, 225, 320
Aix galericulata, 231
 sponsa, 231
Aldrich, John W., review by, 114–115
Allen, Reginald, see Patterson, Barbara and
 —————
Amazona aestiva, 106
 autumnalis, 106
 festiva, 106
 leucocephala, 106
Amazonetta brasiliensis, 192
Anas acuta, 79, 231
 aucklandica chlorotis, 231
 bahamensis, 192, 231
 capensis, 231
 carolinensis, 231, 488
 cyanoptera, 192, 231
 discors, 231
 flavirostris, 192
 fulvigula, 229
 georgica, 191
 gibberifrons, 231
 platalea, 192
 platyrhynchos, 78, 102, 182, 231
 puna, 199
 rubripes, 182, 230, 231
 sibilatrix, 192
 sparsa, 231
 specularioides, 199
 specularis, 200
 strepera, 80, 231
 versicolor, 292
Anatomy, 328–330
Anhinga, 458
Anhinga anhinga, 458
Anthrocothorax prevostii viridicordatus, 325
Aquila chrysaetos, 481
Aramornis longurio, 283, 284
Aramus guarana, 281, 282, 284
Ardea herodias, 468
Ashmole, N. Philip, Phoebe dividing clutch
 between two nests, 332–333
Asio flammeus, 141
Aulacorhynchus prasinus cognatus, 326
 p. griseigularis, 326
Aythya affinis, 80
 americana, 83
Badistornis aramus, 283
Bagg, Aaron M., The President's Page, 110
Baird, James, see Meyerriecks, Andrew J.
 and —————
Bananaquit, 452
Banding, 225–227, 490–491
Beason, Samuel L., Some observations of
 social hierarchy in the wild Turkey,
 489–490
Beer, C. G., see Segrè, Amelia and —————
Behavior, 72–77, 103–104, 105, 107, 150–160,
 161–172, 180–185, 203–204, 213–219,
 220–224, 231, 233, 234–235, 236, 286–
 305, 312–318, 326–327, 334–335, 395–
 420, 421–425, 442–451, 467–478, 488,
 489–490, 491–492, 494–495, 496–497
Behle, William H., Records of the Snowy
 Owl for Utah, 231–232
Benton, Allen H., An unusual nesting situa-
 tion of the Tree Swallow, 233

- Berger, Andrew J., George Miksch Sutton, 30-35; see George, J. C. and ———
- Blackbird, 415
 Red-winged, 90, 105, 225-227, 320-324
 Rusty, 416
 Yellow-headed, 236
- Blackgame, 435
- Bobolink, 40, 49, 57, 59, 60, 63, 438
- Bombycilla cedrorum*, 416
- Bonasa umbellus*, 435
- Bower-bird, Satin, 220
- Brackbill, Hervey, A Slate-colored Junco display, 236
- Branta canadensis*, 130
- Breckenridge, W. J., review by, 510; Solitary Sandpiper chick, painting by, facing 395
- Breeding, 5-29, 106, 123-149, 202-204, 228-229; see also Nesting
- Brereton, J. LeGay, review by, 508-510
- Brockway, Barbara F., Budgerigars are not determinate egg-layers, 106-107
- Brooks, William S., Comparative adaptations of the Alaskan Redpolls to the Arctic environment, 253-280
- Bubulcus ibis*, 458
- Buckley, P. A., An Eared Grebe specimen from coastal Virginia, 487
- Budgerigar, 106-107, 233
- Bunting, Indigo, 44
 Lark, 90, 495
 Little, 146
 Reed, 146
 Rock, 147
 Rustic, 146
 Snow, 124, 138
- Burger, Joanna, Incubation period of the Spotted Sandpiper, 104-105; correction, 335
- Buteo jamaicensis*, 481
 j. kriderii, 481
 lagopus, 481
 platypterus, 481
 regalis, 481
 swainsoni, 481
- Butorides virescens*, 468
- Buzzard, Black-breasted, 220
- Bycanistes subcylindricus*, 298
- Cairina moschata*, 197
- Calamospiza melanocorys*, 20, 495
- Calcarius lapponicus*, 124, 145, 146
 mccownii, 145
 ornatus, 145
 pictus, 123, 145, 147
- Calidris bairdii*, 11, 25, 26
 canutus, 11
 ferruginea, 11, 26
 juscicollis, 5, 25, 26, 27
 melanotos, 5, 25, 26, 27
 pusilla, 11, 26
- Calonetta leucophrys*, 192
- Capella media*, 395
- Capercaillie, 435
- Caprimulgus carolinensis*, 230
- Cardinal, 74, 75, 103, 233, 452, 453, 454, 456, 494-495
- Casmerodius albus*, 458
- Cathbird, 40, 44, 49, 55, 59, 289, 452, 453, 454, 455, 456
- Cathartes aura*, 327-328, 481
- Catoptrophorus semipalmatus*, 330
- Chaffinch, 417
- Charadrius semipalmatus*, 328
- Chen caerulescens*, 421, 422
- Chickadee, Carolina, 222
- Child, George I., see Eisenmann, Eugene and ———
- Chlidonias niger*, 81
- Chloephaga picta*, 193, 194
 poliocephala, 192, 194
 rubidiceps, 192, 194
- Chordeiles acutipennis aequatorialis*, 325
- Chuck-will's-widow, 230
- Circus cyaneus*, 481
- Clancey, P. A., Gamebirds of Southern Africa, reviewed, 504-505
- Clutch size, 306-311
- Coccyzus americanus occidentalis*, 325
- Coereba flaveola*, 452
- Colaptes auratus*, 286
- Conebill, White-eared, 326
- Conirostrum leucogenys cyanochrous*, 326
 l. leucogenys, 326
 l. panamensis, 326
- Contopus virens*, 75
- Coot, 217
 American, 55, 200
 Red-fronted, 200

- White-winged, 198
Corvus corax, 141
ossifragus, 217, 460
Coscoroba coscoroba, 192
 Cowbird, Brown-headed, 84-92, 105, 225-227, 494-495
 Shiny, 92
 Cracraft, Joel, Reallocation of the Eocene fossil *Palaeophasianus meleagroides* Shufeldt, 281-285; The Whooping Crane from the lower Pleistocene of Arizona, 490
 Crafts, Roger C., Jr., Turkey Vultures found to feed on coconut, 327-328
 Crane, Sandhill, 229, 421-425
 Whooping, 490
Crocethia alba, 14, 26
 Crossbill, White-winged, 496-497
 Crow, Fish, 217, 460, 461, 462, 463, 466
 Cruickshank, Helen, reviews by, 511-512, 512-513
 Cuckoo, Black-billed, 40, 44, 46, 49, 59
 Yellow-billed, 44, 46, 325
 Curlew, Eurasian, 395
 Long-billed, 395
Cyanocitta cristata, 233, 295
Cygnus melanocoryphus, 192
 Davis, Thomas H., Willet nesting on Long Island, New York, 330
 de Schauensee, Rodolphe Meyer, The Species of Birds of South America and their Distribution, reviewed, 339-340
 Delacour, Jean, Guide des Oiseaux de la Nouvelle-Caledonie et de ses Dependances, reviewed, 343
 DeLong, Robert L. and Max C. Thompson, Bar-tailed Godwit from Alaska recovered in New Zealand, 490-491
Dendrocopos major, 296
villosus, 286, 288, 289, 291, 297
Dendrocygna bicolor, 192
viduata, 192
Dendroica coronata, 449
kirtlandii, 72
nigrescens, 237
pennsylvanica, 168, 449
petechia, 84, 100, 168, 449
p. amnicola, 100
p. rubiginosa, 100
pinus, 222
 Dickcissel, 46, 52
 Dickerman, Robert W., Notes on the Red Rail (*Laterallus ruber*), 94-99
 Distribution, 7-9, 100-102, 102-103, 173-188, 189-191, 228, 229, 229-230, 230, 231, 231-232, 232, 235, 236, 237, 253, 325-326, 330, 487, 488-489, 490-491, 493, 495
Dolichonyx oryzivorus, 438
 Donohoe, Robert W., Charley E. McKibben, and Charles B. Lowry, Turkey nesting behavior, 103-104
 Dove, Mourning, 105
 Dow, Douglas D., Allopreening invitation display of a Brown-headed Cowbird to Cardinals under natural conditions, 494-495
 Dowitcher, Short-billed, 328
 Duck, African Black, 231
 Argentine Ruddy, 192, 193, 194, 201, 203, 204, 206, 208, 209
 Black, 182, 230, 231
 Black-headed, 189, 192, 193, 195, 197, 198, 201, 202, 203, 204, 205, 206, 208, 209
 Brazilian, 192, 196, 197, 198, 202, 206
 Comb, 192, 198
 Crested, 199
 Flying Steamer, 200
 Fulvous Whistling, 192, 193, 195, 198, 201, 203, 204, 205
 Harlequin, 488-489
 Mandarin, 231
 Masked, 197, 206
 Mottled, 229-230
 Muscovy, 197
 New Zealand Brown, 231
 North American Ruddy, 208
 Spectacled, 200
 White-faced Whistling, 192, 197, 202, 206
 Wood, 231
 Duebbert, Harold F., Two female Mallards incubating on one nest, 102
Dumetella carolinensis, 289, 452
 Dunham, D. W., review by, 118-119
 Dusi, Julian L. and Rosemary T. Dusi, Ecological factors contributing to nesting failure in a Heron colony, 458-466

- Dusi, Rosemary T., see Dusi, Julian L. and

- Dyer, M. I., see Sawyer, Mark and _____
- Eagle, Bald, 481
Golden, 480, 481, 482, 484, 486
- Eastman, William R., Jr. and Alexander C.
Hunt, *The Parrots of Australia: A
guide to field identification and habits,*
reviewed, 508-510
- Ecology, 78-83, 189-191, 320-324, 458-465
- Edeburn, Ralph M., *Breeding range exten-
sion of Saw-whet Owl in West Vir-
ginia,* 232
- Egret, Cattle, 458-466
Common, 458, 460, 461, 462
Snowy, 458, 460, 461, 462
- Eisenmann, Eugene, James I. Richardson,
and George I. Child, *Yellow-green Vireo*
collected in Texas, 235
- Elanoides forficatus,* 102
- Emberiza cia,* 147
pusilla, 146
rustica, 146
schoeniclus, 146, 147
- Emlen, Stephen T., review by, 337-339
- Empidonax traillii,* 89
- Ereunetes pusillus,* 328
- Erolia alpina,* 328
minutilla, 124, 328
- Eudocimus albus,* 458
rubra, 463
- Euphagus carolinus,* 416
- Falco columbarius,* 481
mexicanus, 481
peregrinus, 481
sparverius, 306, 481
- Falcon, Peregrine, 481
Prairie, 481
- Falla, R. A., R. B. Sibson, and E. G. Tur-
bott, *A Field Guide to the Birds of*
New Zealand and Outlying Islands, re-
viewed, 117-118
- Falls, J. Bruce, review by, 119-120
- Fankhauser, Don P., *A comparison of mi-
gration between blackbirds and Star-
lings,* 225-227
- Ficken, Millicent S. and Robert W. Ficken,
Courtship of Blue-winged Warblers,
Golden-winged Warblers and their hy-
brids, 161-172; *Territorial relationships*
of Blue-winged Warblers, Golden-
winged Warblers and their hybrids,
442-451
- Ficken, Robert W., see Ficken, Millicent S.
and _____
- Finch, Purple, 44
- Flicker, Yellow-shafted, 44, 45, 55, 286
- Flight, 468-469
- Florida caerulea,* 458
- Flycatcher, Acadian, 66
Crested, 75
Empidonax, 44, 55
Traill's, 41, 49, 59, 89
- Food habits, 133-134, 143-144, 314-315,
327-328, 330-331, 491-492, 496-497
- Fossils, 490
Aramornis longurio, 283, 284
Badistornis aramus, 283
Geranoides jepseni, 285
Gnotornis aramiellus, 283, 284
Grus americana, 490
Palaeophasianus meleagroides, 281-285
- Fregata magnificens,* 487
- Frigatebird, Magnificent, 487-488
Fringilla coelebs, 417
- Fulica americana,* 200
atra, 217
leucoptera, 198
rujifrons, 200
- Gadwall, 78, 79, 80, 82, 83, 231
- Gallinago gallinago,* 328
- Gallinula chloropus,* 198
- Gallinule, Common, 198, 200
- Gelochelidon nilotica,* 330-331
- George, J. C. and A. J. Berger, *Avian Myol-
ogy,* reviewed, 241-244
- George, William G., *The association of in-
vading White-winged Crossbills with a*
southern tree, 496-497
- Geothlypis trichas,* 449
- Geranoides jepseni,* 285
- Gnotornis aramiellus,* 283, 284
- Gobeil, Robert E., *The double-scratch in the*
genus Passerculus, 334-335
- Godwit, Bar-tailed, 490-491
Black-tailed, 395
Hudsonian, 251-252; *watercolor of heads,*
facing page 251

- Goldfinch, American, 317, 496
 Goose, Blue, 421
 Canada, 130
 Gould, John, Birds of Australia, reviewed, 247
 Graber, Richard R., Nocturnal migration in Illinois—Different points of view, 36–71
 Grackle, Common, 225–227, 233, 315, 493–494
 Graul, Walter D., see Parmelee, David F. and ———
 Grebe, Eared, 487
 Red-necked, 326–327
 Greenshank, 395, 491
 Greiner, Dale W., see Parmelee, David F. and ———
 Grosbeak, Black-headed, 100, 101
 Evening, 257
 Pine, 274, 333–334
 Rose-breasted, 40, 44, 49, 56, 59, 60, 100, 101
 Grouse, Red, 438
 Ruffed, 435
 Sharp-tailed, 173–185
Grus americana, 490
 canadensis, 421
 Gull, Black-headed, 82, 217
 California, 78, 81, 82, 216
 Common, 82
 Franklin's, 81
 Laughing, 213–219
 Lesser Black-backed, 82
 Ring-billed, 78, 81, 83
 Sabine's, 493
 Habitat, 13–14, 78, 123, 189–191, 286–305, 320–324, 452–457
 Hailman, Jack P., Effects of colored light on oviposition in Japanese Quail, Letter to the Editor, 112–113; see Klopfer, Peter H., and ———; see Segrè, Amelia and ———
Haliaeetus leucocephalus, 481
 Hamilton, William J. III, see Marler, Peter and ———
Hamirostra melanosterna, 220
 Harke, Donald T., see Stowers, Jacob F. and ———
 Harm, Ray, The Ray Harm Nature Sketchbook, reviewed, 510
 Harvey, J. M., B. C. Lief, C. D. MacInnes, and J. P. Prevett, Observations on the behavior of Sandhill Cranes, 421–425
 Hatching, 17–18, 133, 139–141, 328–330
 Hawaii Audubon Society, Hawaii's Birds, reviewed, 511
 Hawk, Broad-winged, 481
 Cooper's, 481
 Ferruginous, 481
 Krider's Red-tailed, 481
 Marsh, 480, 481, 484, 485, 486
 Pigeon, 481
 Red-tailed, 480, 481, 484, 485
 Rough-legged, 480, 481, 482, 483, 484, 486
 Sharp-shinned, 481
 Sparrow, 306–311, 480, 481, 483, 484, 485, 486
 Swainson's, 480, 481, 482, 484, 486
 Heath Hen, 173
 Heintzelman, Donald S. and Alexander C. Nagy, Clutch sizes, hatchability rate, and sex ratios of Sparrow Hawks in eastern Pennsylvania, 306–311
 Hemming, James E., Copulatory behavior of the Red-necked Grebe on open water, 326–327
 Heron, Black-crowned Night, 55, 200, 467–478
 Great Blue, 468
 Green, 467, 468, 469, 471, 472
 Little Blue, 458–466
Hesperiphona vespertina, 257
Heteronetta atricapilla, 189
Himantopus himantopus, 329
 Hinde, Robert A., Animal behavior, reviewed, 118–119
Hirundo rustica, 233
Histrionicus histrionicus, 488–489
 Holcomb, Larry C., Reaction of Mourning Doves to Cowbird eggs, 105
 Hornbill, Casqued, 298, 301
 Hunt, Alexander C., see Eastman, William R., Jr. and ———
 Hybrids and hybridization, 100, 150–160, 161–172, 180–185, 442–451
Hylocichla mustelina, 74
 Ibis, Scarlet, 463

- White, 458-466
Wood, 230
Incubation, 12, 14, 15, 16, 17, 80, 102, 104-105, 131-133, 286-287, 335
Iridoprocne bicolor, 233
Jacana, Wattled, 195
Jacana jacana, 195
Jaeger, Parasitic, 141
Jay, Blue, 233, 295
Gray, 273
Jehl, Joseph R., Jr., The breeding biology of Smith's Longspur, 123-149; Colored photograph—female Smith's Longspur at her nest at base of a dwarf birch, facing page 123; The egg tooth of some charadriiform birds, 328-330
Johnsgard, Paul A., Animal behavior, reviewed, 343; see Kear, Janet and ———
Johnsgard, Paul A. and Robert E. Wood, Distributional changes and interaction between Prairie Chickens and Sharp-tailed Grouse in the Midwest, 173-188
Johnson, Janet E., see Johnson, R. Roy and ———
Johnson, R. Roy and Janet E. Johnson, A Swallow-tailed Kite in trans-pecos Texas, 102-103
Junco, 44
Brown-eyed, 101
Slate-colored, 108-109, 236
Junco hyemalis, 101, 102, 108, 236, 496
h. carolinensis, 236
h. cismontanus, 101, 102
oreganus, 101
Kear, Janet and Paul A. Johnsgard, Foraging dives by surface-feeding ducks, 231
Kepler, Cameron B., review by, 511
Kilham, Lawrence, Reproductive behavior of Hairy Woodpeckers II. Nesting and habitat, 286-305
King, Warren B., Preliminary Smithsonian identification manual: Seabirds of the tropical Pacific Ocean, reviewed, 505
Kingle, Golden-crowned, 44
Kite, Swallow-tailed, 102-103
Klopfer, Peter H., see Sheppard, David H. and ———
Klopfer, Peter H. and Jack P. Hailman, An Introduction to Animal Behavior: Ethology's first century, reviewed, 343
Knot, 11, 14, 20
Kroodsma, Roger L., Sabine's Gull in North Dakota, 493
Kuroda, Nagahisa, review by, 505-506
Lagopus lagopus, 130, 423, 426
l. alascensis, 438
l. scoticus, 438
mutus, 435
Lancaster, D. A., review by, 340-341
Land, Hugh C., review by, 244-246
Larus argentatus, 141
atricilla, 213, 219
californicus, 78, 216
canus, 82
delawarensis, 78
fuscus, 82
philadelphia, 329
pipixcan, 81
ridibundus, 82, 217
thayeri, 141
Laterallus ruber, 94
r. ruberrimus, 97
r. tamaulipensis, 97
Lawrence, Louise de Kiriline, A Comparative Life History of Four Species of Woodpeckers, reviewed, 336-337
Letter to the Editor, 112-113
Leucophoyx thula, 458
Licht, Lawrence E., Age of a female *Amazona festiva* at sexual maturity, 106
Lieff, B. C., see Harvey, J. M. and ———
Limnodromus griseus, 328
Limosa haemastica, 251, 328
lapponica, 490
limosa, 395
Limnolyptus swainsonii, 72
Lobipes lobatus, 329
Long, Charles A. and Claudine F. Long, Comments on reproduction of the Common Grackle in Central Illinois, 493-494
Long, Claudine F., see Long, Charles A. and ———
Longspur, Chestnut-collared, 145
Lapland, 124, 126, 128, 130, 131, 137, 138, 145, 146

- McCown's, 129, 132, 145
Smith's, 123-149
- Lowry, Charles B., see Donohoe, Robert W. and ———
- Loxia leucoptera*, 496, 497
Lyrurus tetricus, 435
- MacInnes, C. D., see Harvey, J. M. and ———
- Maclean, Gordon L., review by, 115-117
- Mallard, 78, 79, 102, 182, 231
- Mango, Green-breasted, 325
- Mareca americana*, 79
- Marler, Peter and William J. Hamilton III, Mechanisms of animal behavior, reviewed, 337-339
- Martin, Purple, 234-235
- Mathisen, Ann, see Mathisen, John and ———
- Mathisen, John and Ann Mathisen, Species and abundance of diurnal raptors in the Panhandle of Nebraska, 479-486
- Maxwell, George R. and Loren S. Putnam, The maintenance behavior of the Black-crowned Night Heron, 467-478
- Mayfield, Harold, review by, 239
- McChesney, Marian, review by, 246
- McGeen, Daniel S. and Jean J. McGeen, The Cowbirds of Otter Lake, 84-93
- McGeen, Jean J., see McGeen, Daniel S. and ———
- McHenry, Merrill G., Mottled Ducks in Kansas, 229-230
- McKibben, Charley E., see Donohoe, Robert W. and ———
- Meanley, Brooke, Singing behavior of the Swainson's Warbler, 72-77
- Measurements, 23-24, 251, 253
- Melanitta deglandi*, 80
- Meleagris gallopavo*, 103
g. intermedia, 489
- Melospiza undulatus*, 106, 233
- Melospiza melodia*, 84, 108
- Meng, Martha S., see West, George C. and ———
- Merganser, Brazilian, 202
- Mergus octosetaceus*, 202
- Metopiana peposaca*, 192
- Meyerriecks, Andrew J. and James Baird, Agonistic interactions between Blue-winged and "Brewster's" Warblers, 150-160
- Micropalama himantopus*, 11, 26, 27, 124, 328
- Migration, 9-10, 21-23, 36-69, 139, 200-201, 225-227
- Molothrus bonariensis*, 92
ater, 84, 105, 225, 494
- Molts and Plumages, 24-25, 96-97, 135, 141-142, 206-210, 251-252, 269, 333-334
- Moreau, R. E., The bird faunas of Africa and its islands, reviewed, 115-117
- Morse, Douglass H., The use of tools by Brown-headed Nuthatches, 220-224
- Mortality, 40-41, 43-45, 108-109
- Mulligan, James A., Singing behavior and its development in the Song Sparrow *Melospiza melodia*, reviewed, 119-120
- Musselman, T. E., Chuck-will's-widow and Wood Ibis in central Illinois, 230
- Mycteria americana*, 230
- Myiarchus crinitus*, 75
- Nagy, Alexander C., see Heintzelman, Donald S. and ———
- Nesting, 12-17, 78-83, 84-93, 95-96, 102, 103-104, 129-131, 202, 216, 233, 286-305, 320-324, 330, 332-333, 458-466, 493-494, 495; see also breeding
- Netta erythrophthalma*, 200
- Nickell, Walter P., Budgerigar winters in the open in Michigan, 233
- Nighthawk, Common, 55
Lesser, 325
Nacunda, 325
- Nomonyx dominica*, 197
- Numenius americanus*, 395
arquata, 395
phaeopus, 328
- Nuthatch, Brown-headed, 220-224
Eurasian, 222
European, 302
Red-breasted, 301, 303
White-breasted, 222, 301, 302, 303
- Nyctea scandiaca*, 231
- Nycticorax nycticorax*, 200, 467
- Nye, Thomas W., see Milton B. Trautman and ———

- Oelke, Hans, see Sheppard, David H. and
—————
- Olor buccinator*, 228
- Oring, Lewis W., Vocalizations of the Green
and Solitary Sandpipers, 395–420
- Orthotomus sutorius*, 220
- Osprey, 103, 481
- Ostrich, 314
- Otus asio*, 107
 ingens venezolanus, 325
- Ovenbird, 40, 44, 49, 50, 57, 59, 60, 91
- Owl, Barred, 460, 462, 466
 Rufescent Screech, 325
 Saw-whet, 232
 Snowy, 231–232
 Screech, 107
 Short-eared, 140
- Oxyura jamaicensis*, 208
 vittata, 192
- Palaeontology, 281–285, 490
- Palmer, Eve, The Plains of Camdeboo, re-
viewed, 246
- Pandion haliaetus*, 103, 481
- Parasitism, 82–83, 84–93, 105
- Parkes, Kenneth C., Some bird records from
western Pennsylvania, 100–102
- Parmelee, David F., Dale W. Greiner, and
Walter D. Graul, Summer schedule and
breeding biology of the White-rumped
Sandpiper in the central Canadian
Arctic, 5–29
- Parus atricapillus*, 303
 bicolor, 75, 222, 303
 carolinensis, 222
- Passer domesticus*, 233
- Passerculus sandwichensis*, 124, 325
- Passerella iliaca*, 109
- Patterson, Barbara and Reginald Allen, A
Maine nest of the Scarlet Tanager, 495
- Pedioecetes phasianellus*, 173, 182
- Perisoreus canadensis*, 273
- Petrochelidon pyrrhonota*, 233
- Pettingill, Olin Sewall, Jr., reviews by, 117–
118, 239–241
- Pewee, Eastern Wood, 40, 44, 49, 55, 75
- Pheucticus ludovicianus*, 100
 melanocephalus, 100
- Philohela minor*, 328
- Philomachus pugnax*, 395
- Phoebe, Eastern, 90, 332
- Physiology, 106–107, 108–109, 112–113,
253–280, 426–441
- Picolina enucleator*, 274
 e. eschatosus, 333
- Pintail, 78, 79, 83
 Bahama, 231
 White-cheeked, 192, 193, 194, 198, 204,
205, 206, 207
 Yellow-billed, 191, 192, 193, 194, 195, 196,
198, 199, 200, 201, 203, 204, 205, 207
- Pipilo erythrophthalmus*, 74, 101
 e. arcticus, 101
 e. montanus, 101
- Piranga olivacea*, 495
- Plectrophenax nivalis*, 124
- Plover, Black-bellied, 14
 Golden, 66
- Pluvialis dominica*, 328
- Pochard, Rosy-billed, 192, 193, 195, 198,
201, 203, 204, 205, 206, 207, 208, 209
 Southern, 200
- Podager nacunda minor*, 325
 n. nacunda, 325
- Podiceps nigricollis*, 487
 n. californicus, 487
- Populations, 7–9, 479–486
- Prairie Chicken, Attwater's, 176
 Greater, 173–185
 Lesser, 176, 177
- Predation, 80, 81, 82, 140–141, 214–216,
421–424, 462–463
- Preening, 316–317, 469–470, 494–495
- Prevett, J. P., see Harvey, J. M. and
—————
- Progne subis*, 234
- Protonotaria citrea*, 74, 90
- Ptarmigan, Rock, 435
 Willow, 130, 423, 424, 426–441
- Ptilorhynchus violaceus*, 220
- Publication Notes and Notices, 247–248, 343
- Putnam, Loren S., see Maxwell, George R.
and —————
- Quilliam, Helen R., History of the Birds
of Kingston, Ontario, reviewed, 247
- Quiscalus quiscula*, 225, 233, 315, 493
- Radiation, 108–109
- Raikow, Robert J., Maintenance behavior of
the Common Rhea, 312–319

- Rail, Clapper, 94, 213-219
 Red, 94-98
 Virginia, 41
Rallus longirostris, 94, 213, 219
 Raven, Common, 140
 Rea, Scott C., A territorial encounter between Screech Owls, 107
 Redhead, 83
 Redpoll, Common, 253-280, 438
 Hoary, 253-280
 Redshank, 416
 Redstart, American, 40, 44, 49, 59, 60, 152, 162, 167, 445
 Rhea, Common, 312-318
Rhea americana, 312
 Richardson, James I., see Eisenmann, Eugene and ———
Richmondia cardinalis, 74, 103, 233, 452, 494
 Robin, 44, 45, 291, 416
 Rohwer, Sievert A. and Glen E. Woolfenden, The varied diet of the Gull-billed Tern includes a shrub-inhabiting lizard, 330-331
 Ruff, 395
Rynchops nigra, 492
 Sanderling, 14, 16
 Sandpiper, Baird's, 11, 14, 17, 20, 21
 Buff-breasted, 14, 26, 395
 Curlew, 11, 26
 Green, 395-419
 Least, 124
 Pectoral, 5, 9, 11, 14, 16, 20
 Semipalmated, 11, 14, 17, 20, 23
 Solitary, 46, 395-419
 Spotted, 104-105, 152, 335
 Stilt, 11, 14, 17, 18, 20, 21, 124
 White-rumped, 5-29
 Wood, 395
 Sanger, Marjorie Bartlett, World of the Great White Heron, reviewed, 512-513
 Sapsucker, Yellow-bellied, 41, 44, 55, 59, 286
Sarkidiornis melanotos, 192
 Sawyer, Mark and M. I. Dyer, Yellow-headed Blackbird nesting in Southern Ontario, 236-237
Sayornis phoebe, 90, 332
 Scaup, Lesser, 78, 79, 80, 82, 83
 Scheithauer, Walter, Hummingbirds, reviewed, 511-512
 Schluter, Errol, see Sindelar, Charles, and ———
 Schorger, A. W., Breeding of the Trumpeter Swan at the Madison, Wisconsin lakes, 228-229; The Wild Turkey, its history and classification, reviewed, 114-115
 Scoter, White-winged, 78, 79, 80, 82, 83
 Segrè, Amelia, Jack P. Hailman, and C. G. Beer, Complex interactions between Clapper Rails and Laughing Gulls, 213-219
Seiurus aurocapillus, 91
Setophaga ruticilla, 152, 162, 167, 168, 445
 Sheldgoose, Andean, 199
 Ashy-headed, 192, 193
 Ruddy-headed, 192, 193
 Upland, 193, 194, 200
 Sheldon, William G., The Book of the American Woodcock, reviewed, 239-241
 Sheppard, David H., Peter H. Klopfer and Hans Oelke, Habitat selection differences in stereotypy between insular and continental birds, 452-457
 Shoveler, 231
 Red, 192, 193, 194, 196, 197, 198, 200, 201, 203, 204, 206, 207
 New Zealand, 231
 Sibson, R. B., see Falla, R. A. and ———
 Sindelar, Charles and Errol Schluter, Osprey carrying bird, 103
 Siskin, Pine, 497
Sitta canadensis, 301
carolinensis, 222, 301
europaea, 302
pusilla, 220
 Skimmer, Black, 492
 Skutch, Alexander F., review by, 336-337
 Slud, Paul, The Birds of Cocos Island, reviewed, 340-341
 Smith, Robert L., Ecology and Field Biology, reviewed, 341-342
 Smithe, Frank B., The Birds of Tikal, reviewed, 244-246
 Snipe, Great, 395
 Snow, D. W., review by, 506-508
 Snyder, Dorothy E., A leucistic Pine Grosbeak, 333-334

- Sora, 41, 59
Southern, William E., Further observations on foster-feeding by Purple Martins, 234-235
Sparrow, Chipping, 398
Field, 85, 89, 91
Fox, 109
House, 233
Savannah, 41, 124, 126, 128, 335
Song, 84, 88, 89, 91, 108-109
Tree, 109, 233
White-crowned, 65
White-throated, 40, 44, 52, 74, 75
Spatula clypeata, 231
rhynchotis, 231
Sphyrapicus varius, 286
Spinus pinus, 497
tristis, 317, 318, 496
Spizella arborea, 109
passerina, 398
pusilla, 85
Squatularia squatarola, 14
Stager, Kenneth E., review by, 339-340
Starling, 225-227, 287, 289, 290, 291, 295, 299, 300, 304, 307
Steganopus tricolor, 329
Stercorarius parasiticus, 141, 329
Sterna hirundo, 81, 330
Stettenheim, Peter, review by, 241-244
Stickley, Allen R., Jr., see Stowers, Jacob F. and ———
Stout, Gardner D., The Shorebirds of North America, reviewed, 500-503
Stowers, Jacob F., Donald T. Harke and Allen R. Stickley, Jr., Vegetation used for nesting by the Red-winged Blackbird in Florida, 320-324
Strix varia, 460
Struthio, 314
Sturges, Franklin W., Radiosensitivity of Song Sparrows and Slate-colored Juncos, 108-109
Sturnella magna, 450
neglecta, 450
Sturnus vulgaris, 225, 287, 307
Sutton, George Miksch, 30-35, 111; Sexual dimorphism in the Hudsonian Godwit, 251-252; White-rumped Sandpiper chick, painting by, facing page 5; Heads of Hudsonian Godwits, watercolor by, facing page 251; Oklahoma Birds, reviewed, 239; review by, 500-503
Swallow, Barn, 233
Cliff, 233
Swan, Black-necked, 192, 194, 201
Coscoroba, 192, 195, 201, 204, 205, 206
Trumpeter, 228-229
Tachyeres patachonicus, 200
Tailor-bird, Indian, 220
Tanager, Scarlet, 40, 44, 49, 59, 69, 495
Taxonomy, 25-27, 97-98, 101, 145-147, 253-254, 281-285
Teal, Blue-winged, 231
Cape, 231
Cinnamon, 192, 193, 194, 195, 199, 201, 203, 204, 206, 208, 209, 231
Gray, 231
Green-winged, 231, 488
Puna, 199, 200
Ringed, 192, 196, 197, 198, 202, 206
Silver, 192, 195, 197, 198, 199, 200, 201, 203, 204, 205, 206, 207
Speckled, 192, 194, 195, 199, 200, 201, 203, 204, 205, 206, 207
Telmatodytes palustris, 96
Tern, Black, 81
Common, 81, 82, 330
Gull-billed, 330-331
Territory, 10-12, 126-129, 162, 442-451
Tetrao urogallus, 435
Thompson, Daniel Q., review by, 341-342
Thompson, Max C., see DeLong, Robert L. and ———
Thrasher, Brown, 40, 44, 289
Threlfall, William, Atypical behavior of a Green-winged Teal, 488
Thrush, Gray-cheeked, 40, 44, 46, 49, 59, 60, 69
Mistle, 415
Swainson's, 40, 44, 46, 49, 59, 60, 69
Song, 415
Wood, 40, 44, 49, 59, 68, 74, 75
Thryothorus ludovicianus, 76
Titmouse, Tufted, 75, 222, 303
Totanus flavipes, 328, 491
melanoleucus, 491
nebularia, 491

- Toucanet, Emerald, 326
 Towhee, 44
 Rufous-sided, 74, 101
Toxostoma rufum, 289
 Trautman, Milton B., and Thomas W. Nye,
 An Ohio record of the Magnificent
 Frigatebird (*Fregata magnificens*),
 487-488
 Taylor, Melvin A., review by, 504-505
Tringa glareola, 395, 416, 417
 nebularia, 395, 416
 ochropus, 395-420
 solitaria, 328, 395-420
 totanus, 416
Troglodytes aedon, 91
Tryngites subruficollis, 14, 26, 395
 Turbott, E. G., see Falla, R. A. and ———
Turdus merula, 415
 migratorius, 291, 416
 philomelos, 415
 viscivorus, 415
 Turkey, 103-104, 489-490
Tympanuchus cupido, 176
 c. attwateri, 176
 c. cupido, 173
 c. pinnatus, 173
 pallidicinctus, 176
Vanellus vanellus, 328
 Veery, 40, 44, 49, 66, 68
Veniliornis dignus baezi, 326
 d. dignus, 326
 Vermeer, Kees, Ecological aspects of ducks
 nesting in high densities among larids.
 78-83
Vermivora chrysoptera, 150, 161, 442, 449
 peregrina, 449
 pinus, 150, 161, 442, 449
 ruficapilla, 449
 virginiae, 237
 Vireo, Philadelphia, 40, 44, 49, 59, 69
 Red-eyed, 40, 44, 49, 50, 59, 60, 68, 76
 Warbling, 44, 55
 Yellow-green, 235
 Yellow-throated, 40, 44, 49, 59, 68
Vireo altiloquus, 235
 chivi, 235
 flavoviridis, 235
 olivaceus, 76, 235
 Voice, 72-77, 94, 107, 124-126, 154-158,
 164, 167, 168, 395-420, 442-443
 Vulture, Turkey, 327-328, 481
 Warbler, Bay-breasted, 40, 44, 49, 57, 59,
 60, 66
 Black-and-white, 40, 44, 49, 59
 Blackburnian, 40, 44, 49, 59
 Blackpoll, 40, 44, 49, 59, 69
 Black-throated Gray, 237
 Black-throated Green, 40, 44, 45, 49, 59
 Blue-winged, 66, 150-160, 161-172, 442-
 451
 "Brewster's", 150-160, 442, 444, 446, 447,
 448, 449, 450
 Cape May, 40, 44, 49, 66, 69
 Cerulean, 66
 Chestnut-sided, 40, 44, 49, 57, 59, 60, 66,
 125, 449
 Connecticut, 40, 44, 59
 Golden-winged, 66, 159, 161-172, 442-451
 Hooded, 74, 75
 Kirtland's, 72, 73, 74
 Lawrence's, 158, 442, 447, 448, 449, 450
 Magnolia, 40, 44, 49, 56, 57, 59, 60, 66
 Myrtle, 41, 44, 45, 49, 449
 Nashville, 41, 44, 49, 59, 64, 65, 66, 67,
 449
 Palm, 40, 44, 49, 52, 59, 63, 64, 66, 67, 68
 Parula, 66
 Pine, 222
 Prothonotary, 74, 90
 Swainson's, 72-77
 Tennessee, 40, 44, 49, 57, 59, 60
 Virginia's, 237
 Yellow, 41, 49, 59, 68, 84, 86, 90, 92,
 100, 125
 Warburton, Mabel, Lark Bunting in New
 Jersey, 495
 Waterthrush, Northern, 40, 44, 49, 57, 59,
 60, 68
 Waxwing, Cedar, 416
 Weather, 51-57, 463-466
 Weights, 23-24, 137, 144-145, 205-206, 264,
 267-268, 428-436
 Weller, Milton W., Notes on some Argen-
 tine anatids, 189-212
 West, George C. and Martha S. Meng, Sea-
 sonal changes in body weight and fat
 and the relation of fatty acid composi-

- tion to diet in the Willow Ptarmigan, 426-441
- Wetmore, Alexander, Additions to the list of birds recorded from Colombia, 325-326
- Widgeon, American, 78
Chiloé, 192, 194, 195, 200, 201, 203, 204, 206, 207
- Williams, Lovett E., Specimen of the Harlequin Duck in Florida, 488-489
- Willet, 330
- Willis, Edwin O., The behavior of Bicolored Antbirds, reviewed, 506-508
- Wilson Ornithological Society, Josselyn Van Tyne Memorial Library Gifts, 248; Membership, 224, 311, 355, 357-392, 441, 478; Officers and Committees, 356; Ornithological News, 111, 238, 344, 498-499; President's Page, 110; Proceedings of the Annual Meeting, 345-355
- Wilsonia citrina*, 74
- Wood, Robert E., see Johnsgard, Paul A. and ———
- Woodcock, American, 328
- Woolfenden, Glen E., see Rohwer, Sievert A., and ———
- Woodpecker, Black-backed, 303
Hairy, 286-305
Great Spotted, 296, 303
Yellow-vented, 326
- Wren, Carolina, 76
House, 41, 44, 91
Long-billed Marsh, 40, 96
Short-billed Marsh, 40
- Xanthocephalus xanthocephalus*, 236
Xema sabini, 493
- Yellowlegs, Greater, 491-492
Lesser, 491
- Yellowthroat, 40, 44, 49, 57, 59, 60, 68, 449
- Zenaidura macroura*, 105
- Zonotrichia albicollis*, 74
- Zusi, Richard L., "Ploughing" for fish by the Greater Yellowlegs, 491-492