

INDEX TO VOLUME 63, 1951

BY ESTHER BYERS

This index includes references to the following topics: abnormalities, adaptation, age determination, anatomy, banding, breeding behavior, brooding, cowbird parasitism, display, ecology, egg laying, endocrinology, food, fighting, fledging period, genetics, histology, hybridization, injury feigning, internal parasites, migration, mortality, nest building, nesting success, photoperiodism, physiology, population cycles, range extension, sexual cycles, territorialism, voice, and localities (states, provinces, countries). A notable feature is the names of numerous avian ectoparasites.

- Abnormalities, 43, 50, 181, 203, 230, 312
 Abrolhos Islands, 249
Acanthis flammea, 40
 flammea flammea, 327-329
 f. rostrata, 327-329
Accipiter bicolor, 337
 cooperi, 16-17, 25, 63, 304, 366
 c. mexicanus, 57
 gentilis, 137
 nisus, 21-22, 170-171
 striatus, 304
 Accipitridae, 57
Acrocephalus schoenobaenus, 248
Actitis macularia, 43-44, 291, 305
 Adaptation, 8, 59, 63, 64, 203, 209, 253, 274, 286, 353-354, 358-362
Aechmophorus occidentalis, 56, 129, 216
 Africa, 165, 248, 133
 East, 341
 South, 133
 Age determination, 44, 84-88, 164-165, 182-184, 200, 202, 203
Agelaius, 345
 humeralis, 346
 phoeniceus, 18-21, 24, 25, 28, 47, 64, 108, 172, 173, 175, 364
 p. assimilis, 346
 p. richmondi, 294
Aidemosyne modesta, 252
Aimophila aestivalis bachmani, 208-209
 carpalis, 47-48, 252, 323-326
 cassini, 131, 133, 208, 324
 humeralis, 313
 rufescens, 48, 270
 ruficauda acuminata, 313
 ruficeps, 48, 130, 313, 324
 sumichrasti, 48
 Ajaia ajaja, 56
 Alabama, 58, 90, 110
 Alaska, 51, 130-132, 143, 193-194, 212, 358-362
 Albatross, Black-footed, 36
 Laysan, 36-37
 Royal, 215, 230
 Yellow-nosed, 353
 Alberta, 139, 196
 Aldrich, John W. A Review of the Races of the Traill's Flycatcher, 192-197; review by, 126-127
Alectura lathamii, 252
 Aleutian Islands, 214
 Alexander, Gordon, review by, 127
 Allen, Francis H. Audubon on territory, 206
 Amadon, Dean. Hormones and Cycles: A Review, 59-60; "The Hawaiian Honeycreepers (Aves, Drepaniidae)" (reviewed), 353-354
Amaurornis, 165
Amazilia beryllina viola, 307
 rutila, 307
 yucatanensis cerviniventris, 292
 Amblycera, 363
Amblycercus holosericeus, 294
 America, Central, 53, 54, 56, 133, 181, 183, 271-273, 338, 345, 347, 358-362
 South, 52-54, 165, 181, 184, 338-339
 Amphibians, 20, 24, 173, 200-201, 335
Amphispiza bilineata, 324
 Analgesidae, 365
Anas, 190
 acuta, 55, 172, 174, 189
 crecca, 55
 diazi, 304
 discors, 174

- luzonica, 189-191
 platyrhynchos, 174, 189, 214, 244
 poecilorhyncha, 189-191
 rubripes, 336
 strepera, 189
 superciliosa, 189-191
 waigiensis, 190
 Anatidae, 189, 296
 Anatomy, 39, 45, 64, 84-88, 111, 119-120,
 157-165, 235-237, 238-257, 275-286,
 296-301, 354
 Ani, Groove-billed, 291, 306
 Anopheles, 367
 Anous minutus, 36
 stolidus, 37, 250
 Anser albifrons flavirostris, 55
 Anseriformes, 366
 Anthracothorax prevosti, 292
 Anthus spraguei, 129, 216
 Anting, 365
 Ant-Pipits, 213
 Ant-Shrike, Mexican, 293
 Ant-Tanager, Red, 312
 Ant-Thrushes, 213
 Apaulina, 364
 hirundo, 367
 Aphelocoma, 64
 coerulescens, 131
 Aplonis, 345
 Apocryptornis, 213
 Aptenodytes forsteri, 251
 Aquila chrysaetos, 213-214
 Arachnida, 363
 Ara militaris, 305
 Aratinga astec, 291
 canicularis, 305
 c. clarae, 305
 c. eburnirostrum, 305
 holochlora, 291
 Archilochus alexandri, 132
 colubris, 347, 353
 Arctic Regions, 51, 55-56, 133, 212, 214, 230,
 249, 350-352
 Ardea cinerea, 110
 herodias, 110, 182-183, 289, 304, 334
 Ardeidae, 63
 Arenaria interpres, 36, 182-183, 336, 337,
 351
 Argas, 365
 persicus, 364, 367
 Argasidae, 363
 Argentina, 181
 Arizona, 115, 129-134, 195, 207-208, 252,
 323-326, 334, 339-340
 Arkansas, 193-194, 196, 203-204
 Artamus cyanopterus, 252
 Arvey, Dale, personal mention, 120
 Ascension Island, 249, 256
 Asia, 189
 Asio otus, 16
 Asyndesmus lewis, 129
 Ateleodacnis, 275, 281, 283-286
 Atlapetes, Green-striped, 313
 Rufous-capped, 263
 Atlapetes pileatus, 263
 torquatus virenticeps, 313
 Atricholaelaps megaventralis, 367
 Atthis heloisa, 265-266
 Auriparus flaviceps, 264
 Austin, Oliver L. Jr., review by, 352-353
 Australia, 189, 249, 252-254
 Automolus rubiginosus, 318
 Automolus, Ruddy, 318
 Aythya affinis, 64
 americana, 174
 Baffin Island, 51
 Bagg, Aaron M., and Gustav A. Swanson.
 Graduate Research in Ornithology, 62-
 64.
 Bagg, Aaron M., personal mention, 51
 Bahama Islands, 215
 Bailey, Alfred M. Notes on Birds of Midway
 and Wake Islands, 35-37
 Baird, P. D., personal mention, 51
 Baja California, 56, 115
 Balanosphyra formicivora, 265, 307
 Bananivorus, 52, 346
 auricapillus, 346
 cucullatus, 283, 346
 parisorum, 346
 Banding, 7-8, 13, 28, 50, 55, 58, 84, 86,
 88, 129, 133, 181, 183-184, 186-187,
 204, 217, 230, 334
 Bartramia longicauda, 51, 112, 336
 Basileuterus, 280
 belli, 263
 b. bateli, 312
 rufifrons, 311-312
 r. dugesi, 312
 Batchelder, C. F. "A Bibliography of the
 Published Writings of Charles Johnson

- Maynard 1845-1929" (reviewed), 214-215
- Batts, H. Lewis Jr., biog. sketch of, 314
- Bear, Polar, 358
- Beard, Elizabeth B. The Trachea of the Hooded Merganser Including a Comparison with the Tracheae of Certain Other Mergansers, 296-301
- Beaver, 358
- Becard, Rose-throated, 293, 308
- Beecher, William J. Convergence in the Coerebidae, 274-287; Letter to the Editor, 345-346
- Bequaert, J. C., personal mention, 364
- Bergstrom, E. Alexander, editorial, 342-343
- Berger, Andrew J. The Cowbird and Certain Host Species in Michigan, 26-34; Ten Consecutive Nests of a Song Sparrow, 186-188; reviews by, 128, 217, 217-218, 357; editorial by, 119-120; biog. sketch of, 209
- Big Bend International Park, 115
- Bill wiping, 79-80, 235
- Bittern, American, 172, 334-335
Least, 337
- Blackbird, Brewer's, 47
Red-winged, 18-21, 24-25, 28, 47, 64, 108, 172-173, 175, 294, 364
Rusty, 73
Sumichrast's, 294
Yellow-headed, 112, 130, 172-173, 175
- Blackcap, 248
- Blackcock, 219-220, 222
- Blarina brevicauda, 24
- Blowflies, 364
- Bluebird, 64, 310, 366
- Bobcat, 334
- Bobolink, 132
- Bob-white, 18, 43, 129, 290, 305, 363, 364, 366
- Bombycilla cedrorum, 18, 19, 235-236, 267
- Bonasa umbellus, 18-19, 42-43, 59-60, 200-201, 220, 364
- Bond, Gorman M., and Robert E. Stewart.
A New Swamp Sparrow from the Maryland Coastal Plain, 38-40
- Bond, James, review by, 213; 346
- Boobies, 37
- Botaurus lentiginosus, 172, 334-335
- Bowerbird, Australian Satin, 254
- Boyd, Elizabeth M. The External Parasites of Birds: A Review, 363-369
- Boynton, Mrs. Damon, personal mention, 49
- Brackbill, Hervey. Wing-flashing by male Mockingbirds, 204-206
- Brant, 55
- Branta bernicla, 55
b. hrota, 55
canadensis, 50, 57, 58
hutchinsii, 129
leucopsis, 56, 214
minima, 129
- Brazil, 114, 183, 338
- Breeding behavior, 6-8, 64, 215-216, 222, 238, 242-257
- British Columbia, 132, 144, 194, 196, 219
- British Honduras, 183
- British Isles, 55, 243-245, 250
- Broadbills, 213
- Brood-patch, 45, 63, 268, 307
- Brooding, 44, 81-82, 146, 169, 175, 307
- Brooks, Maurice. English Sparrows eating locust leaf-miners, 116; The President's Page, 4, 66, 142, 234; reviews by, 216-217, 355-356
- Bubo bubo, 213
virginianus, 16, 23, 201, 367
- Bucephala islandica, 55
- Budgerigar, 252
- Bufo americana, 200
hemiophys, 173
- Bunting, Black-headed, 129
Indigo, 21, 28, 30, 206-207, 208, 313
Leclancher's, 313
Painted, 295
Snow, 360
Varied, 295, 312-313
- Bush-Tit, 264
- Buteo albicaudatus hypospodius, 304
jamaicensis, 16, 22-25, 304
lagopus, 130
lineatus, 189
magnirostris griseocauda, 289
nitidus, 304
swainsoni, 133
- Buteogallus anthracinus, 289, 304
- Butorides virescens, 289
- Byers, Esther. Feeding behavior of young American Bitterns, 334-335; Index, 375-400
- Cacique, Mexican, 308, 311-312
- Cade, T. J., personal mention, 51

- Cairina moschata*, 317, 349
Calcarius lapponicus, 40, 130
 l. alascensis, 212
 California, 90, 132, 143-144, 157, 189, 193,
 195, 252, 334
Callipepla, 220
Calocitta formosa colliciei, 309
Calospiza, 279-280, 283, 285
 arthus, 281
Calypte costae, 130, 133
Campstoma imberbe, 293
Campylorhynchus gularis, 309
 jocosus, 309
 rufinucha, 293
 zonatus, 293
Canachites canadensis, 216, 220
 Canada, 38, 57, 130, 197
 Canal Zone, 184
 Cannibalism, 172-173
Capella gallinago delicata, 51
Capercaillie, 219
Caprimulgus carolinensis, 4, 234
Caracara, 289, 304
Cardinal, 18-19, 28-30, 33, 64, 117, 217
 Jalapa, 295
Carduelinae, 279
Carnes, Mrs. Herbert E., personal mention, 52
Carpenter, Charles C. Young Goldfinches
 eaten by garter snake, 117-118
Carpodacus, 63, 279-280
 mexicanus, 285, 313
 purpureus, 145, 217
Carr, Marjorie H., and J. C. Dickinson, Jr.
The San Gerónimo Swift in Honduras,
 271-273
Casmerodius albus, 289, 304, 364
Cassel, J. Frank, see Snyder, Dana P., and

- Cassicus melanicterus*, 308, 311-312
Cassidix mexicanus, 207-208, 294, 304, 312,
 366
 Catbird, 18-19, 28-29, 132, 217, 266
Catharacta skua, 249, 351
Cathartes aura, 16, 57, 71, 130, 289, 304
 a. teter, 57
Catharus aurantiirostris clarus, 266-267
 mexicanus, 340
 occidentalis, 320
 o. fulvescens, 310
Catherpes mexicanus, 131, 266, 310
Catoptrophorus semipalmatus, 182, 336
Cavendish, Virginia, biog. sketch of, 118
 Cayman Islands, 53
Centurus carolinus, 216
 chryso-genys flavinuchus, 307, 312
Cephalopterus ornatus, 338
Ceratophyllus fringillae, 366
 gallinae, 364, 366
Certhia familiaris, 4, 70-71, 73, 130, 234, 309
 f. jaliscensis, 309
Certhidea, 275
Certhiola, 275
Ceylon, 252
Chachalaca, 289, 304
Chaetura pelagica, 63, 364
 rutila brunneitorques, 272
 vauxi gaumeri, 202
 v. richmondi, 201-202, 272
Chaffinch, 130, 246
Chalcites lucidus, 129
Chalif, Edward L., biog. sketch of, 191;
 personal mention, 50, 344
Chamaea fasciata, 243
Chamaethlypis poliocephala palpebralis, 294
Chaparral, 348
Chapin, James P., personal mention, 52
Chapman Fellowships, 49, 343
Charadriidae, 181-182
Charadriiformes, 64, 256, 366
Charadrius collaris, 291
 hiaticula, 182
 vociferus, 18
 wilsonia, 336
Chat, Yellow-breasted, 28
Chen, 129
 caerulescens, 133, 337
 hyperborea, 337
Cheyletus, 365
Chiapas, 57, 342, 348
Chickadee, Acadian Brown-capped, 69
 Black-capped, 79-80, 366
 Hudsonian, 216
Chickadees, 130
Chicken, Prairie, 64, 216, 219, 222
Chiggers, 365
Childs, Henry E., personal mention, 212
 Chile, 181
Chipmunk, Eastern, 18-20, 24, 366
Chlidonias niger, 41, 182, 184, 230, 336
Chloroceryle amazona, 292
 americana septentrionalis, 292
Chlorophanes, 281, 284, 286

- Chlorophonia, 279
 cyanea, 280
Chlorostilbon caniveti, 292
Chondestes grammacus, 131
Chordeiles acutipennis, 184
 minor, 184, 230, 270, 292
 m. aserriensis, 292
 m. chapmani, 292
 m. henryi, 184
 m. sennetti, 292
Chuck-will's-widow, 4
Ciccaba nigrolineata, 318
Ciconia ciconia, 133
Ciconiiformes, 366
Cimicidae, 363
Cinnyricinclus, 345
Circus cyaneus, 16, 41-42, 112, 131, 167-175, 364, 366
 pygargus, 170-171, 213-214
Cissilopha san-blasiana nelsoni, 309
Cistothorus platensis, 44-45
Citellus franklini, 172
 tridecemlineatus, 19, 24
Clangula hyemalis, 56, 112
Clarkson, Elizabeth Barnhill, biog. sketch of, 123
Clethrionomys gapperi, 172
Cnemidocoptes, 365-367
Coahuila, 348
Coati-mundi, 303
Coccyzus americanus, 18
 erythrophthalmus, 37
Cochlearius cochlearius, 349
Coereba, 283-286
 flaveola, 281
Coerebidae, 274-287
Cogswell, Howard L., personal mention, 228
Colaptes auratus, 18-20, 22, 24-25, 202, 203
 a. luteus, 202-203
 cafer, 307
Colinus, 220
 virginianus, 18, 43, 129, 290, 305, 363, 364, 366
 v. godmani, 290
 v. pectoralis, 290
Colombia, 40, 183-184
Colorado, 127, 131, 143, 177-178, 180, 196, 224
Coluber constrictor, 24
Columba fasciata, 265
 flavirostris, 291
 oenas, 243, 255
 palumbus, 243, 255
Columbigallina passerina, 132, 291
 p. pallescens, 305
 talpacoti, 333
 t. rufipennis, 291
Colymbus caspicus, 216
Condor, California, 140
Condylura cristata, 24
Conirostrum, 275, 281, 284-286
Connecticut, 5, 6, 69-73, 99, 104-106, 108, 342
Conopophagidae, 213
Coot, American, 157-166, 172-175
 Black, 165
 Colombian American, 164
 Grenada American, 164
 North American, 164
 Red-gartered, 165
 Red-knobbed, 165
 Slate-colored, 157, 164
Cope, James B. Pacific Loon in Indiana, 41
Contopus pertinax, 309
 virens, 21, 94-95
Copulation, 244, 265
Coragyps atratus, 289, 304
Cormorant, Double-crested, 333
 Mexican, 333-334
 Olivaceous, 289
 Pied, 249
Corvidae, 129, 366
Corvus brachyrhynchos, 64, 174, 364
 corax, 214, 304, 309
 cornix, 248
 frugilegus, 244
 imparatus, 349
 ossifragus, 64
Costa Rica, 5, 183-184
Cotinga, Rose-throated, 293, 308
Cotingidae, 338
Cougar, 303
Cowbird, 18-19, 26-34, 47, 130, 172, 186-188, 206-207, 278, 312, 364, 366
 Red-eyed, 294, 306, 312
Coyote, 302
Cracidae, 342
Crane, Sandhill, 211, 353
 Whooping, 129
Creeper, Brown, 4, 70-73, 130, 234, 309
Crocethia alba, 336, 337
Crossbill, Red, 172, 177-180, 230

- Crotophaga sulcirostris*, 291, 306
 Crow, Common, 64, 174, 364
 Fish, 64
 Hooded, 248
 Mexican, 349
 Cruickshank, Allan D. Iceland Gull in Florida, 113; "Summer Birds of Lincoln County, Maine" (reviewed), 125-126
Crypturellus cinnamomeus, 56, 67-68
 c. mexicanus, frontispiece, opp. 67, 67-68
 Cuba, 183, 211, 346
 Cuckoo, Black-billed, 37
 Squirrel, 291, 305
 Striped, 291
 Yellow-billed, 18
 Cuckoos, 129
Cuculiformes, 119, 209, 366
Culicidae, 363
Cupidonia cupidini-columbiana, 219
 Curlew, Bristle-thighed, 36, 134
 Hudsonian, 182, 351
Cyanerpes, 281, 283-286
 cyaneus, 281
Cyanocitta, 64
 cristata, 18-22, 24-25
 stelleri, 131, 309, 319
Cyanolimnas, 211
Cyclarhina, 284
Cyclarhis, 280
 gujanensis, 268
 Cycle, population, 59-60, 230, 253
 sexual, 64, 133, 238-257
Cygnus buccinator, 111
 columbianus, 111
 olor, 41
Cynanthus latirostris, 307
 l. magicus, 307
 l. propinquus, 307

Dacnini, 286-287
Dacnis, 281, 283-286
Dactylortyx thoracicus, 230, 263, 340
Dafla acuta, 55
 Dater, Eleanor E. First successful nesting of the Cerulean Warbler in New Jersey, 115-116
 Davis, L. Irby. Birds new for the Río Grande delta area, 333; review by, 56-57
 Deer, 303
Degeeriella illustris, 366
 nebulosa, 366
 rotundata, 364
 secundaria, 364
 Delaware, 183
Delichon urbica, 366
Dendragapus, 219-220
 obscurus, 64
Dendrocolaptidae, 213
Dendrocopos arizonae fraterculus, 307
 pubescens, 18, 364, 366
 scalaris centrophilus, 307
 s. ridgwayi, 292
 villosus, 18-19, 24
Dendrocygna autumnalis, 289
Dendroica, 280
 auduboni, 134
 caerulescens, 70, 72-73
 cerulea, 115-116, 216
 coronata, 69-70, 72-73, 76, 127, 132, 206
 c. hooveri, 132
 discolor, 73
 dominica albilora, 4, 234
 fusca, 70, 72-73, 320
 kirtlandi, 129, 215
 magnolia, 69
 nigrescens, 134, 206
 occidentalis, 134
 pensylvanica, 144
 petechia, 28-30, 32-33, 127, 130-131, 217
 p. bryanti, 294
 p. rubiginosa, 131
 p. sonorana, 131
 townsendi, 132, 134
 virens, 206
Dendrortyx barbatus, 317
 macroura, 304
Dendrophylax, 213
Dendroplex, 213
 Denmark, 131
Dermacentor, 365
Dermanyssus gallinae, 365, 367
Dermatitis, 367
Dicaeidae, 236
Dicaeum hirundinaceum, 235
 Dickinson, J. C. Jr. Nest of *Chaetura vauxi richmondi* in central Honduras, 201-202; review by, 349-350; see Carr, Marjorie H., and—
Diglossa, 281, 283, 285-286
 Dilger, William C. Male Hybrid Warblers of the Genus *Vermivora*, frontispiece, opp. 5; personal mention, 51

- Dinosaur National Monument, 224-225
Diomedea chlororhynchos, 353
 epomophora, 215, 230
 immutabilis, 36-37
 nigripes, 36
Diptera, 363, 367
Display, 53, 150, 163, 189, 204, 206, 222,
 238, 242-245, 249, 254, 255, 306, 307
District of Columbia, 90, 196
Dives dives, 294
Dolichonyx oryzivorus, 132
Dove, Barred, 149-156
 Ground, 132, 291, 305
 Inca, 291, 305, 333
 Lace-necked, 151
 Mourning, 18-22, 25, 112, 130-131, 265,
 364
 Ruddy Ground, 291, 333
 Stock, 243, 255
 White-fronted, 291, 305
 White-winged, 305, 330-332
 See also Quail-Dove
Dowitcher, 182
Drepaniidae (Drepanididae), 63, 283, 285, 353
Drepanis, 354
Driocistites, 213
Dryocopus lineatus similis, 292
Duck, Australian, 189-191
 Barrow's Goldeneye, 55
 Black, 336
 Black-bellied Tree, 289
 Blue-winged Teal, 174
 Gadwall, 189
 Green-winged Teal, 55
 Harlequin, 56
 Lesser Scaup, 64
 Mallard, 174, 189, 214, 244
 Mexican, 304
 Muscovy, 317
 Old-squaw, 56, 112
 Philippine Mallard, 189-191
 Pintail, 55, 172, 174, 189
 Redhead, 174
 Red-legged Black, 336
 Shoveller, 172, 174
 Spot-bill, 189-191
Ducks, 129, 132, 174-175, 365
Dumetella carolinensis, 18-19, 28-29, 132,
 266
Durango, 339
Dutch Guiana, 45-47, 114
Eagle, Bald, 134
 Golden, 213-214
Eagles, 364
Eagle-Hawk, Ornate, 263
Echidnophaga gallinacea, 366
Ecology, 6, 16, 45-47, 63, 64, 66, 68, 69-73,
 89, 114, 149-154, 167-169, 173, 175,
 222, 235-237, 252-255, 263-264, 266,
 268, 272, 288, 302-313, 340
Ectoparasites, avian, 363-369
Edeburn, Ralph M., biog. sketch of, 270
Edwards, Ernest P., *see* Lea, Robert B.,
 and ———
Egg laying, 26-34, 43-44, 76, 79, 133, 146,
 188, 244-246, 250-252, 254-255, 267
Egret, 289, 304, 364
 Snowy, 183
Eider, 56
 King, 56
Eifrig, Charles William Gustave, biog.
 sketch of, 121
Eisenmann, Eugene. Northern Birds Sum-
 mering in Panamá, 181-184
Elaenia flavogaster subpagana, 293
Elaenia, Yellow-bellied, 293
Elanus leucurus, 289
Elder, William H., *see* Kirkpatrick, Charles
 M., and ———
El Salvador, 132-133
Emberiza melanocephala, 129
Emberizinae, 282
Empidonax, 133
 albigularis, 319, 339
 a. timidus, 339
 difficilis, 266, 309
 flaviventris, 319
 hammondi, 319
 minus, 21
 ridgwayi, 195-196
 trailli, 28, 30, 32-33, 69-70, 89-97, 144,
 192-197, 339
 t. adastus, 194, 196-197
 t. alascensis, 193, 197
 t. alnorum, 192, 194, 196
 t. brewsteri, 192-193, 195-197
 t. campestris, 195
 t. extimus, 194-197
 t. zopholegus, 193, 197
Encephalomyelitis, 368
Endocrinology, 59-60, 64, 159-165, 238-257
Eng, Robert L. Barn Owl in Montana, 201

- England, 165, 189, 244-248
Erator inquisitor, 318
Eremophila alpestris, 28, 130
 a. arctica, 130
 a. hoyti, 130
Ereunetes mauri, 182
 pusillus, 182, 351
Ergaticus ruber, 311
 Erickson, Arnold B., personal mention, 51
Erithacus rubecula, 243-246, 255
Erolia acuminata, 249
 alpina, 337
 fuscicollis, 183
 minutilla, 291, 351
Eudocimus albus, 210-211, 289
 ruber, 110, 210-211
Euneornis, 275, 281, 283-284, 286
Euphagus carolinus, 73
 cyanocephalus, 47
Euphonia, Blue-hooded, frontispiece, opp.
 235; 237, 268, 340
 Bonaparte's, 236
 Lesson's, 236
 Puerto Rican, 236
Eupterolichus bicaudatus, 386
 Europe, 133, 220, 248
Eurylaimidae, 213
Euthlypis lachrymosa, 311
 Evolution, 52-54, 237, 274-287

Falco albicularis, 317, 349
 columbarius, 216
 mexicanus, 367
 sparverius, 131, 201
 Falcon, Prairie, 367
 White-throated or Bat, 317, 349
 Feeding of young birds, 16-25, 28-30, 81-
 83, 116, 146-147, 169-175, 186, 244,
 266, 273, 308-312
Felis onca, 337
Ferminia, 211
 Fever, Bullis, 367
 Relapsing, 367
 Rocky Mountain Spotted, 367
 Fighting, Interspecific, 23, 41, 110, 174, 304,
 311-312
 Intraspecific, 81, 163-164, 170-171
Filaria, 367
Finch, Galápagos, 252-253
 House, 313
 Laysan, 35
 Plum-headed, 252
 Purple, 145, 217
 Zebra, 252
 Finches, 63, 129, 278, 285
 Finfoot, 290, 317
 Fleas, 363-367
 Fledging, 23-34, 43-44, 82-83, 147, 186-
 187, 206-207
 Fledging Period, 43-44, 186-187
 Flicker, Yellow-shafted, 18-20, 22, 24, 25,
 202-203
 Northern Yellow-shafted, 202-203
 Red-shafted, 307
 Flies, Black, 363
 Hippoboscid, 363, 366
 Flight, speed of, 198
 Florida, 58, 64, 90, 113, 131, 134, 198, 204,
 215
 Florida caerulea, 183, 289
 Flycatcher, Alder, 28, 30, 32-33, 69-70,
 89-97, 144, 192-197, 339
 Arizona Crested, 309
 Ash-throated, 309
 Beardless, 293
 Boat-billed, 206, 308
 Crested, 24, 217, 319
 Derby, 293, 308
 Dusky-capped, 266, 309
 Fork-tailed, 333
 Hammond's, 319
 Least, 21
 Mexican Crested, 293
 Ochre-bellied, 319
 Olive-sided, 4, 69-70, 234
 Pied, 248
 Pirate, 293
 Ridgway's, 195
 Scissor-tailed, 333
 Social, 293
 Spotted, 248
 Sulphur-bellied, 293, 303, 308
 Traill's, 28, 30, 32-33, 69-70, 89-97, 144,
 192-197, 339
 Tufted, 309
 Vermilion, 132, 203-204, 293, 308
 Western, 266, 309
 White-throated, 319, 339
 Yellow-bellied, 319
 See also Kingbird

- Food of *Accipiter cooperi*, 18–22, 167
 Bonasa umbellus, 200–201
 Buteo jamaicensis, 22–24
 Cassidix mexicanus, 207–208
 Circus cyaneus, 41–42, 112, 171–175
 Cissilopha san-blasiana, 309
 Colaptes auratus, 203
 Fulmarus glacialis, 56
 Geococcyx velox, 306
 Geopelia striata, 149–156
 Mimus polyglottos, 205
 Panyptila sancti-hieronymi, 272
 Passer domesticus, 116
 Plegadis, 111
 Ptilogonys cinereus, 237
 Rostrhamus sociabilis, 199
 Richmondia cardinalis, 117
 Strix varia, 23–24
 Tanagra, 235–237, 268
Ford, Edward Russell, biog. sketch of, 121
Formicariidae, 213, 288
Forpus cyanopygius, 305
Fox, Arctic, 253, 358–362
Fregata magnificens, 37, 289, 336
Freyana anatina, 365
Friedmann, Herbert, *et al.* "Distributional
 Check-List of the Birds of México"
 (reviewed), 56–57
Frigate-bird, 37, 289, 336
Fringilla coelebs, 130, 246
Fringillidae, 64, 102, 129, 132, 286
Frog, 173, 335
Fuertes, Louis Agassiz, 49
 Research Grants, 49, 228
Fulica americana, 157, 164–165, 172–173, 175
 a. americana, 164
 a. columbiana, 164
 a. grenadensis, 164
 ardesiaca, 157, 164
 armillata, 165
 atra, 165
 caribea, 164
 crinata, 165
 frontata, 165
Fulicinae, 157
Fulmar, 56, 351
Fulmarus glacialis, 56, 351
Furnariid, 337
Furnariidae, 213
Furnarioidea, 213
Gadwall, 189
Galápagos Islands, 252–253, 285
Galley, John E. Clark's Nutcracker in the
 Chisos Mountains, Texas, 115
Gallinula, 165
Gallinule, Purple, 290
Gallus, 20, 219–222, 250–251
Gaping, 169, 273, 276, 283, 285
Gavia, 36
 arctica pacifica, 41
 immer, 198
Gelochelidon nilotica, 182
Genetics, 5–15, 219–221
Geococcyx velox melanchima, 305–306
Geopelia striata, 149–156
George, John L. Marsh Hawk catching a
 Mourning Dove, 112
Georgia, 39, 58, 116
Geospiza, 252–253, 285
Geothlypis nelsoni, 268
 trichas, 21, 28, 64, 92, 107, 127, 144
Glacier National Park, 225
Glaucidium brasilianum ridgwayi, 292
 minutissimum, 306
 m. griscomi, 306
 m. palmarum, 306
Glaucomys volans, 19, 24
Glossiptila, 275, 281, 283–284, 286
Gnatcatcher, Black-capped, 310
 Blue-gray, 216, 294
Goatsuckers, 129
Godwit, Marbled, 112, 216
Goldeneye, Barrow's, 55, 353
Goldenthrroat, 114–115
Goldfinch, Arkansas, 131
 Common, 21, 28, 30, 117–118
 Dark-backed, 313
 Lawrence's, 129
Goldman, Edward Alphonso. "Biological
 Investigations in México" (reviewed),
 348–349
Gooney Birds, 37
Goose, 129
 Barren Grounds, 129
 Barnacle, 56, 214
 Blue, 133, 337
 Cackling, 129
 Canada, 50, 57–58

- Greenland White-fronted, 55
 Lesser Snow, 337
 Gopher, Pocket, 172
 Goshawk, 137
 Graber, Richard and Jean. Nesting of the Parula Warbler in Michigan, 75-83; personal mention, 120
 Grackle, Great-tailed, 207-208, 294, 304, 312
 Purple, 18, 47
 Grallaricula, 213
 Granatellus, 280
 Grassquit, Blue-black, 295
 Yellow-faced, 268
 Great Smoky Mountains National Park, 4, 227, 234, 372
 Grebe, Eared, 216
 Pied-billed, 304
 Western, 56, 129, 216
 Greenland, 55-56, 132, 253-254, 350-352
 Greenwald, Gilbert S., personal mention, 212
 Grimes, Samuel A., personal mention, 52, 212
 Grinnell, Lawrence Irving, biog. sketch of, 40
 Griscom, Ludlow. "Distribution and Origin of the Birds of México" (reviewed), 347-348; biog. sketch of, 148; see Friedmann, Herbert, *et al.*
 Grosbeak, Abeillé's, 268
 Black-headed, 268
 Blue, 324
 Crimson-collared, 262
 Evening, 216
 Rose-breasted, 19, 28, 210
 Grouse, Blue, 64
 Pinnated, 64, 216, 219, 222
 Ruffed, 18-19, 42-43, 59-60, 200-201, 220, 364
 Sharp-tailed, 216, 219, 222
 Spruce, 216, 220
 Gruiformes, 366
 Grus americana, 129
 canadensis, 211
 Guan, Crested, 263
 Guara alba, 210-211, 289
 rubra, 110, 210-211
 Guatemala, 40, 131, 202, 271
 Guerrero, 330-332
 Guiana, Dutch, 45-47, 114-115
 Guiraca caerulea, 312, 324
 Gull, Black-backed, 352
 Common, 110
 Franklin's, 182, 216
 Glaucous, 113, 210, 352, 360, 362
 Glaucous-winged, 343
 Herring, 41, 110
 Iceland, 113, 210, 352
 Ivory, 351
 Laughing, 182-184
 Ring-billed, 41, 110
 Silver, 249
 Gullion, Gordon W. The Frontal Shield of the American Coot, 157-165
 Gunn, W. W. H., see Mosby, H. S., and —; personal mention, 51
 Gyalophylax, 213
 Gymnorhina dorsalis, 239-240
 Habia, 279
 rubica rosea, 312
 Haemaphysalis leporis-palustris, 364-366
 Haematopus ostralegus, 336
 Hale, James B., and Robert F. Wendt. Amphibians and snakes as Ruffed Grouse food, 200-201
 Haliaeetus leucocephalus, 134
 Hall, Fred T., personal mention, 122
 Haller, Karl W. *Turdus migratorius achrosterus* and *Passerculus sandwichensis mediogriseus* in the Northern Panhandle of West Virginia, 45
 Hamerstrom, F. N. Jr., and Frances Hamerstrom. Food of Young Raptors on the Edwin S. George Reserve, 16-25
 Hanson, Harold C., and Robert H. Smith. "Canada Geese of the Mississippi Flyway, with Special Reference to an Illinois Flock" (reviewed), 57-58
 Hardy, Frederick C. Ruffed Grouse nest predation by blacksnakes, 42-43
 Harpyrynchus, 365, 367
 Harrier, Montagu's, 170-171, 213-214
 Harrison, Hal H. Color plate opp. 143; Notes and Observations on the Wilson's Warbler, 143-148; personal mention, 120-121
 Harrison, J. C. "Bird Portraits" (reviewed), 213-214
 Harry, G. Bryan, see Zimmerman, Dale A., and —

- Haverschmidt, Fr. Notes on *Icterus nigrogularis* and *I. chrysocephalus* in Surinam, 45-47; The nest and eggs of *Smaragdites i. theresiae*, 114-115; 346
- Hawaiian Islands, 63, 149-156, 283, 285
- Hawk, Bicolored, 337
Cooper's, 16-25, 57, 63, 304, 366
Gray, 304
Harris's, 304
Marsh, 16, 41-42, 112, 131, 167-175, 364, 366
Mexican Black, 289, 304
Pigeon, 216
Red-shouldered, 189
Red-tailed, 16, 22-25, 304
Roadside, 289
Sharp-shinned, 304
Small Forest, 317
Sparrow (American), 131, 201
Sparrow (European), 21-22, 170-171
Swainson's, 133
White-tailed, 304
See also Eagle-Hawk
- Hawks, 133, 138-140, 364
- Headstrom, Richard. "Birds' Nests of the West" (reviewed), 357
- Heat loss, 358-362
- Hecht, William Robert. Nesting of the Marsh Hawk at Delta, Manitoba, 167-175
- Heed, William B., *see* Robins, C. Richard, *et al.*
- Heliomaster constanti, 307
- Heliornis fulica, 290, 317
- Hellmayrea, 213
- Hemidacnis, 281, 284, 286
- Hemignathus, 283
lucidus, 285
- Hemiptera, 364
- Hemispingus, 279
- Hendricks, Bartlett. "Berkshire Birds" (reviewed), 127-128
- Henicorhina leucophrys, 320
- Hepatozoon, 367
- Hermit, Long-tailed, 307
- Heron, Gray, 110
Great Blue, 110, 182-183, 289, 304, 334
Green, 289
Little Blue, 183, 289
Yellow-crowned Night, 337
- Hérons, 139
- Herpetotheres cachinnans, 349
- Hesperiphona abeillei, 268
vespertina, 216
- Heteroscelus incanus, 36
- Hidalgo, 237
- Hilton, David Clark, personal mention, 123; biog. sketch of, 218
- Himatione, 283
virens, 285
- Hippoboscidae, 364-367
- Hirundapus caudacutus, 129
- Hirundinidae, 364, 366
- Hirundo rustica, 272, 309, 366
r. erythrogaster, 339-340
r. rustica, 94, 248
- Histology, 84, 86, 157-158, 238-257
- Histrionicus histrionicus, 56
- Hock, Raymond, his papers reviewed, 358-362
- Hollom, P. A. D. "Trapping Methods for Bird Ringers" (reviewed), 217
- Honduras, 201-202, 271-273
- Honey-Creeper, 274-287
- Honey-eater, 275
- Hummingbird, Berylline, 307
Black-chinned, 132
Broad-billed, 307
Broad-tailed, 133
Canivet's Emerald, 292
Cinnamomeous, 307
Costa's, 130, 133
Goldenthrout, 114-115
Heloise's Bumblebee, 265-266
Long-tailed Hermit, 307
Plain-capped Star-throat, 307
Prevost's Mango, 292
Ruby-throated, 347, 353
White-eared, 265, 266, 342
Yucatán, 292
- Hummingbirds, 129-130, 132
- Hybrids, Intergeneric, 219-222
Interspecific, 5-15, 63, 230
- Hydroprogne caspia, 41, 337
- Hylocharis leucotis, 265-266
- Hylocichla, 132
fuscescens, 132, 320
guttata, 71, 73, 131, 266
g. auduboni, 131

- g. guttata*, 131
minima, 69
mustelina, 19, 28-29, 71, 267, 320
Hylophilus, 284
decurtatus, 280, 320
hypoxanthus, 280
olivaceus, 280
Hylophilus, Gray-headed, 320

Ibis, Eastern Glossy, 110-111
 Scarlet, 110, 210-211
 White, 210-211, 289
 White-faced Glossy, 110-111
 Wood, 56
Iceland, 249
Icteria, 280
 virens, 28
Icteridae, 52-54, 64, 278, 283-286, 366
Icterus, 52
 bonana, 53
 bullocki, 53
 cayanensis, 53-54, 346
 chrysocephalus, 45-47, 53-54
 croconotus, 53-54
 cucullatus, 346
 galbula, 18-22, 25
 graduacauda, 53, 294
 gularis, 53, 294, 345
 g. tamaulipensis, 294
 icterus, 53
 jamacaii, 53, 54
 j. strictifrons, 53, 54
 leucopteryx, 346
 mesomelas, 294
 nigrogularis, 45-46, 345
 pectoralis, 345
 prothemelas, 294
 pustulatus, 312, 345
 p. microstictus, 312
 spurius, 294
 wagleri, 312, 321
 w. castaneopectus, 312
Ictinia plumbea, 349
Idaho, 194, 196
Illinois, 5, 57-58, 112
Incubation, 43-44, 45, 79-80, 83, 145, 178,
 180, 244, 252
India, 63
Indiana, 41, 47, 90
Injury feigning, 68, 79, 145
Insulation, 358-362

Ireland, 55
Iridophanes, 281, 286
Iridoprocne *albilinea*, 293, 319
 bicolor, 366
Irving, Laurence, his papers reviewed,
 358-362
Ischnocera, 362
Isle of Wight, 248
Isotherms, effect on migration of, 131
Ixobrychus *exilis*, 337
Ixodes, 365
 baergi, 364, 365, 367
 brunneus, 365, 366
Ixodidae, 363

Jabiru *mycteria*, 57
Jacana *spinosa*, 305
 s. gymnostoma, 291
Jaeger, Long-tailed, 253, 351
 Parasitic, 111-112
 Pomarine, 112, 253
Jaguar, 337
Jahn, Laurence R. "Canada Geese of the
 Mississippi Flyway, with Special Refer-
 ence to an Illinois Flock" (reviewed),
 57-58
Jalisco, 56, 302-314
Jamaica, 53, 184, 283, 346
Jan Mayen, 253
Japan, 189
Jay, Blue, 18-22, 24-25
 Brown, 293
 Canada, 69, 216, 360
 Florida, 131
 Green, 309, 340
 Magpie-Jay, 309
 San-Blas, 309
 Scrub, 131
 Steller's, 131, 309, 319
 Woodhouse's, 131
Jays, 64, 130
Johnson, Fred, his paper reviewed, 360-361
Johnston, David W. An aberrantly colored
 Summer Tanager, 116-117
Jones, Glenn. Abnormal throat-color in
 male Bob-white Quail, 43
Jones, Lynds, personal mention, 66, 229
Junco, 365
 hyemalis, 70, 126, 206, 242, 365
 oreganus, 250
 phaeonorotus, 313

- p. australis, 314
p. palliatus, 314
Junco, Oregon, 250
 Red-backed, 313-314
 Slate-colored, 70, 126, 206, 242, 365
- Kansas, 44, 45, 64, 111-112
Kelsall, John P. "A Study of Bird Populations in the Apple Orchards of the Annapolis Valley, Nova Scotia" (reviewed), 126-127
Kemsies, Emerson. The genus *Plegadis* in Ohio, 110-111
Kentucky, 42-43, 64, 208, 137
Kenya Colony, 341
Killdeer, 18, 357
Killpack, Merlin L. Marsh Hawk feeding on Black-billed Magpie, 41-42
Kingbird, Arkansas, 131
 Eastern, 19, 230
 Olive-backed, 293, 304, 308
 Thick-billed, 308
Kingfisher, Amazon, 292
 Green, 292
 Ringed, 292
Kingfishers, 139
Kinglet, Golden-crowned, 4, 80, 130, 234
 Ruby-crowned, 206
Kirkpatrick, Charles M., and William H. Elder. The Persecution of Predaceous Birds, 138-140
Kite, Everglade, 140, 198-199
 White-tailed, 289
Kittiwake, 352
- Labrador, 143
Lagopus, 214, 219-220
 mutus, 350
 scoticus, 220
Laniidae, 366
Lanio, 284
Lanius collurio, 129
 excubitor, 130
 ludovicianus, 130, 133, 310
Lapwing, 133
Laridae, 182-183
Lark, Horned, 28, 130
Larus argentatus, 41, 110
 atricilla, 182-184
 canus, 110
 delawarensis, 41, 110
 glaucoides, 113, 210, 352
 hyperboreus, 352, 360, 362
 novae-hollandiae, 249
 pipixcan, 182
Laysan Island, 35
Lea, Robert B., and Ernest P. Edwards. A nest of the Rufous-breasted Spinetail in México, 337-338
Legatus leucophaeus variegatus, 293
Lemming, 253, 359
 Bog, 19, 24
Leptasthenura, 213
Leptotila verreauxi, 291, 305
 v. angelica, 305
 v. fulviventris, 291
Lepus americanus, 172
Leucophoyx thula, 183
Lice, biting, 363-367
Limnodromus, 182
 griseus, 182
Limosa fedoa, 112, 216
Liponyssus sylviarum, 365, 367
Longspur, 230
 Alaska, 212
 Lapland, 40, 130
Loon, 36
 Common, 198
 Pacific, 41
Lophodytes, 299
 cucullatus, 296-301
Lophortyx × Oreortyx hybrid, 220-221
Lophortyx californica, 249
Louisiana, 133
Lowery, George H. Jr., and Robert J. Newman. Notes on the Ornithology of South-eastern San Luis Potosí, 315-322
Lowery, George H. Jr., personal mention, 120
Loxia curvirostra, 172, 177-180, 230
 c. benti, 177
Loxigilla, 283
Lunk, William A., review by, 353-354
Luscinia megarhyncha, 140
Lynchia americana, 364
Lynx rufus, 334
Lyrurus, 219-220, 222
 tetrrix, 220
- Macaw, Military, 305
Macawlet, 265
Mackenzie, 194, 196

- Magpie, Australian, 239
 Black-billed, 41-42
 Magpie-Jay, 309
 Maine, 125, 143-144
 Malaria, Bird, 367
 Malaya, 149
 Malaysian Subregion, 189
 Mallard, 174, 189, 214, 244
 Philippine, 189-191
 Mallophaga, 363-367
 Mammals (as food of birds), 18-20, 24, 25,
 138, 171-175, 201, 253
 Manakin, Yellow-thighed, 360
 Mango, Prevost's, 292
 Manitoba, 40, 167-175, 196
 Manitoulin Island, 219
 Man-o'-war-bird, 37, 289
 Marmoset, 360
 Marshall, A. J. The Refractory Period of
 Testis Rhythm in Birds and its Possible
 Bearing on Breeding and Migration,
 238-257
 Marten, 359
 Martin, House, 366
 Purple, 18-19, 129
 Martin, Paul S. Bicolored Hawk in Ta-
 maulipas, México, 337; Black Robin
 in Tamaulipas, México, 347; see Robins,
 C. Richard, *et al.*
 Maryland, 38-40, 90, 196, 204
 Maslowski, Carl, personal mention, 120
 Massachusetts, 8, 69-73, 127, 215, 327-329
 Mayfield, Harold. Proceedings of the Thirty-
 Second Annual Meeting, 227-232; re-
 views by, 214-215, 355
 McCabe, Robert A. The Song and Song-
 Flight of the Alder Flycatcher, 89-97;
 A Serious Problem in Conservation, 224-
 225
 McAtee, W. L. Marbled Godwit, Upland
 Plover, Burrowing Owl and Yellow-
 headed Blackbird in Chicago area, 112
 McElroy, Thomas P. Jr. "Handbook of
 Attracting Birds" (reviewed), 217-218
 Meadowlark, Eastern, 19, 92, 206, 209, 230,
 312
 Western, 209
 Meanley, Brooke. Vermilion Flycatcher in
 Arkansas rice district, 203-204
 Megaceryle torquata, 292
 Megapode, 252
 Megarynchus pitangua, 306, 308
 p. caniceps, 308
 p. tardiusculus, 308
 Melanitta perspicillata, 111
 Melanerpes aurifrons grateloupensis, 292
 erythrocephalus, 203
 Melanopareia, 213
 Meliphagidae, 275
 Melospittacus undulatus, 252
 Melospiza georgiana, 28, 38-40
 g. ericrypta, 38, 39
 g. georgiana, 38-39
 g. nigrescens, 38-40
 melodia 19, 21, 26, 30, 76, 92, 99-109, 117,
 126, 130, 186-188, 243, 363, 364
 m. euphonia, 106
 m. melodia, 106
 Melozona kieneri, 313
 Menaboni, Athos and Sara. "Menaboni's
 Birds" (reviewed), 124-125
 Mengel, Robert M. A flight-song of Bach-
 man's Sparrow, 208-209; review by,
 124-125; see Warner, Dwain, and —
 Menura, 222
 Merganser, American, 299-301
 Hooded, 296-301
 Red-breasted, 299-301
 Mergini, 64
 Mergellus, 299
 albellus, 299-301
 Mergus, 299
 merganser americanus, 299-301
 serrator, 299-301
 México, 40, 64, 67, 131-133, 184, 202, 208,
 214, 236-270, 288-295, 302-314, 323,
 330-332, 333, 336, 337, 338, 339, 340,
 347-350
 México, State of, 348
 Michigan, 5, 16, 17, 24, 26, 27, 33, 44, 50,
 58, 64, 90, 117, 186, 200, 220, 222, 231,
 334-336, 344
 Michigan Audubon Society, 344
 Michoacán, 196, 237
 Micrastur ruficollis, 317
 Microbates, 213
 Microlichus avus, 367
 Micropalama himantopus, 337
 Microtus pennsylvanicus, 24, 171-172
 Microxenops, 213
 Midway Islands, 35-37

- Migration, 51, 56, 57-58, 64, 129-134, 165, 181-184, 193, 196, 206, 230, 238, 248-249, 256, 340, 352
- Miller, Robert Rush, and Howard Elliott Winn. Observations on fish-eating by the Great-tailed Grackle in southeastern Arizona, 207-208
- Milwaukee City Club, 341
- Mimus polyglottos, 130-131, 204-206, 243, 310
- Minnesota, 5, 90, 173, 200, 203, 216-217
- Mississippi, 183
Flyway, 4, 57, 58
- Missouri, 112
- Mistletoe-bird, 235
- Mites, 363-367
- Mitrephanes phaeocercus, 309
p. tenuirostris, 309
- Mniotilta, 280
varia, 78
- Mockingbird, 130-131, 204-206, 243, 310
- Mole, Prairie, 19, 24
Star-nosed, 24
- Molothrus ater, 18-19, 26-34, 47, 130, 172, 186-188, 206-207, 278, 364, 366
a. obscurus, 312
- Molting, 13, 14, 45, 47-48, 133, 181, 200, 241, 244, 245, 255, 323-326, 365
- Momotus mexicanus, 307
momota coeruliceps, 349
- Monkey, Night, 360
- Monson, Gale. Great Blue Heron killed by Bobcat, 334
- Monroe, Burt L. Sr., biog. sketch of, 137-138
- Montana, 143, 196, 201
- Moore, A. D. Adaptations of Animals to Climatic Extremes: A Review, 358-362
- Moore, Robert T., see Friedmann, Herbert, *et al.*
- Moose, 359
- Moreno, Abelardo, personal mention, 211
- Morrison, Kenneth D., and Josephine Daneman Herz. "Where to Find Birds in Minnesota" (reviewed), 216, 217
- Morphology, 236, 274-286, 296-301
- Mortality, 23, 28-34, 35-37, 58, 59-60, 80-81, 83, 115, 117, 146, 187-188, 206-207
- Mosby, H. S., and W. H. H. Gunn. The Dingell-Johnson Act: Will it Benefit Bird-Life? 60-62
- Mosquitoes, 363, 367
- Motmot, Blue-crowned, 349
Russet-crowned, 307
- Mouse, Jumping, 19, 24, 172, 335
White-footed, 24
- Muit, 250, 256
- Mumford, Russell E. Brewer's Blackbird in Indiana, 47; Vermilion Flycatcher on east coast of Florida, 204
- Munia punctulata topela, 155
- Muscivora forficata, 333
tyrannus, 333
- Muskkrat, 172-173
- Mustela, 24
- Murray, J. J. A Yellow-shafted Flicker's odd accident, 202-203; Unusual water birds in Rockbridge County, Virginia, 336-337
- Muscicapa hypoleuca, 248
striata, 248
- Mycteria americana, 56
- Myiarchus cinerascens, 609
crinitus, 24, 217, 319
tuberculifer, 266
t. querulus, 309
tyrannulus magister, 309
t. nelsoni, 293
- Myioborus, 280
miniatus, 311, 321
- Myiodynastes luteiventris, 293, 304, 308
- Myiozetetes similis texensis, 293
- Myrmophylax, 213
- Myrsidea interrupta, 364
- Nayarit, 308, 330, 332
- Nephoecetes niger, 129
n. costaricensis, 272
- Nero, Robert W. Pattern and Rate of Cranial Ossification in the House Sparrow, 84-88
- Nesopsar nigerrimus, 346
- Nest building, 46, 78-79, 83, 115, 145, 188, 244, 267
- Nesting success, 7, 23, 28-34, 80-83, 115, 116, 187-188, 206-207
- Netting, M. Graham, personal mention, 121, 212
- Nevada, 193, 196
- New England, 5, 69-73, 89-90
- Newfoundland, 352
- New Hampshire, 69-71, 73, 143
- New Hebrides, 251-252

- New Jersey, 5-7, 71, 115-116, 193
 New Mexico, 115, 134, 143, 195-196, 220
 New York, 5, 6, 7, 10, 39, 63, 71, 89, 90, 99,
 104-108, 116, 183, 193, 196, 200, 220
 New Zealand, 129, 132, 215
 Newman, Robert J., review by, 347; personal
 mention, 120; see Lowery, George H.
 Jr., and ———
 Nicaragua, 271
 Nicholson, E. M. "How to Choose and Use
 Field-Glasses" (reviewed), 128
 Nighthawk, Common, 184, 230, 270, 353
 Lesser or Trilling, 184
 Nightingale, 140
 Nightingale-Thrush, Black-headed, 340
 Orange-billed, 266-267
 Russet, 310, 320
 Noddy, White-capped, 250
 North Carolina, 123
 North Dakota, 117, 195-196
 Norway, 110, 220
 Notornis, 165
 Nova Scotia, 126
 Nowland, Paul J., biog. sketch of, 140
 Nucifraga columbiana, 64, 115
 Nuevo León, 56, 67, 115, 132, 349
 Numenius phaeopus, 182, 351
 tahitiensis, 36, 134
 Numida, 221
 Nunnemacher, Gertrude A., biog. sketch of,
 262; personal mention, 341
 Henry, J., personal mention, 262, 341
 Nutcracker, Clark's, 64, 115
 Nuthatch, Brown-headed, 63
 Pygmy, 63
 Red-breasted, 130
 White-breasted, 18, 24, 309
 Nuttallornis borealis, 4, 69-70, 234
 Nyctanassa violacea, 337
 Nyctea scandiaca, 253
 Nyctidromus albicollis, 292, 306, 360, 362
 a. yucatanensis, 292

 Oaxaca, 48, 56
 Oceanites oceanicus, 129
 Oceanodroma leucorhoa, 55
 Ochetorhynchus, 213
 Oenanthe oenanthe, 248
 Ohio, 5, 7, 41, 45, 89-90, 99, 110, 196, 206,
 355
 Oidemia nigra americana, 111

 Oklahoma, 43, 90, 333-334
 Old-squaw, 56, 112
 Ondatra zibethica, 172-173
 Ontario, 58, 143, 178, 196, 356-357
 Oporornis, 276, 280, 285
 formosus, 281
 Oregon, 144, 193-194, 220, 221
 Oreomanes, 287
 Oreopeleia albigacies, 317
 Oreortyx, 220-221
 Oreoscoptes montanus, 264
 Oriole, Baltimore, 18-22, 25
 Black-cowled, 294
 Black-headed, 53, 294
 Black-throated, 53, 294, 345
 Bullock's, 53
 Cayenne, 53-54, 346
 Hooded, 346
 Moriche, 45-47, 53-54
 Orchard, 294
 Scarlet-headed, 312, 345
 Yellow, 45-46, 345
 Yellow-tailed, 294
 Wagler's, 312, 321
 Orizaba, Mount, 350
 Ornithodoros, 365
 aquilae, 367
 parkeri, 366
 Ornithoica confluenta, 364
 vicina, 364, 366
 Ornithomyia antheura, 364
 fringillina, 364, 366
 Ortalis vetula, 304
 v. mcalli, 290
 v. vetula, 289-290
 Osprey, 182-183, 213
 Osteology, 45, 63, 64, 84-88, 222, 282
 Ostrich, African, 366
 Otus asio, 18, 366
 guatemalae, 318
 Oven-bird, 21, 26, 28, 30, 32, 34, 76
 Ovenbirds (Furnariidae), 213
 Owl, Barn, 201, 291
 Barred, 16, 22-25
 Black and White, 318
 Burrowing, 112, 366
 Eagle, 213
 Ferruginous Pygmy, 292
 Great Horned, 16, 23, 201, 367
 Long-eared, 16
 Middle American Screech, 318

- Pygmy, 306
Screech, 18, 366
Short-eared, 36
Snowy, 253
Striped Horned, 292
Owls, 129, 138-140, 364
Oystercatcher, 336
- Pachycephala pectoralis*, 251
Packard, Fred Mallery. "The Birds of Rocky Mountain National Park" (reviewed), 127
Pagophila eburnea, 351
Panamá, 181-184, 196, 358-362
Pandion haliaëtus, 182, 183, 213
Panyptila cayennensis, 272
 sancti-hieronymi, 271-273
Parabuteo unicinctus, 304
Parakeet, Aztec, 291
 Green, 291
 Orange-fronted, 305
Parasitism, Cowbird, 26-34, 186-188, 206-207
 External, 363-369
 Internal, 59, 154, 306, 308
Parasitoidea, 365
Pareudiastes, 165
Parkes, Kenneth C. The Genetics of the Golden-winged × Blue-winged Warbler Complex, 5-15
Parrot, Maroon-fronted, 265
 Thick-billed, 129, 265
Parrotlet, Mexican, 305
Partridge, Long-tailed, 304
Parula, 280
 americana, 75-83
 pitiayumi pulchra, 311
Parulidae, 274-287
Parus atricapillus, 79-80, 366
 bicolor, 19, 53, 216
 caeruleus, 246
 hudsonicus, 69, 216
 h. littoralis, 69
 major, 246
Passer domesticus, 18-22, 25, 84-88, 116, 186, 230, 243-244, 255, 312, 365, 367
Passerculus sandwichensis, 126
 s. mediogriseus, 45
Passerherbulus caudacutus, 172
 henslowi, 92
Passeriformes, 366
- Passerina ciris pallidior*, 313
 cyanea, 21, 28, 30, 206-207, 208, 313
 leclancheri, 313
 versicolor, 312-313
 v. dickeyae, 313
 v. versicolor, 295
Pauraque, 292, 306, 360, 362
Pasteurella, 367
Pavo, 221
Pedioecetes phasianellus, 219, 222
Pelecanus erythrorhynchos, 41
 occidentalis, 289
Pelican, Brown, 289
 White, 41
Penelope purpurascens, 263
Penguin, 51, 230
 Adélie, 251
 Emperor, 251
Pennsylvania, 5, 7, 26, 39, 44, 71, 112, 171, 196, 214, 355
Pepper-Shrike, Rufous-browed, 268
Perisoreus canadensis, 69, 216, 360
Peromyscus, 24
Peterle, Tony J. Intergeneric Galliform Hybrids: A Review, 219-222
Peters, Harold S., and Thomas D. Burleigh. "The Birds of Newfoundland" (reviewed), 352-353
Peters, James Lee. "Check-List of Birds of the World. Vol. VII" (reviewed), 213
Petrel, Leach's, 55
 Wilson's, 129
Petrels, 133
Petrochelidon pyrrhonota, 105, 364, 366, 367
 p. albifrons, 230
Pettingill, Olin Sewall, Jr., reviews by, 125-126; 356-357; "A Guide to Bird Finding East of the Mississippi" (reviewed), 355
Pewee, Greater, 309
 Wood, 21, 94-95
Phacellodromus, 213
Phaëthon lepturus, 35-37
 rubricauda, 36-37
Phaethornis superciliosus, 307
Phainopepla nitens, 133, 264
Phalacrocorax auritus, 333
 olivaceus, 333-334
 o. mexicanus, 289
 varius, 249
Phalarope, Red, 212

- Phalaropus fulicarius*, 212
Phasianus colchicus, 18-22, 25, 219-220, 243
 Pheasant, Ring-necked, 18-22, 25, 219-220, 243
 Pheasants, 140, 221
Phlegopus maculipectus, 293
 Pheucticus, 279
 ludovicianus, 19, 28, 210
 melanocephalus, 268
 Philippine Islands, 155, 189-191
 Phillips, Allan R. Complexities of Migration: A Review, 129-134; The Molts of the Rufous-winged Sparrow, 323-326
 Phillips, Richard S. Nest location, Cowbird parasitism, and nesting success of the Indigo Bunting, 206-207; see also Triplehorn, Charles A., and ———
Philohela minor, 92
Philopterus corvi, 364
Philortyx fasciatus, 305
 Phoebe, 18, 26, 28, 30-33, 107
 Black, 333
 Say's, 133, 264
Phoenicurus phoenicurus, 248
 Photoperiodism, 93-97, 130, 238-257
Phrygilus, 286
Phylloscopus, 133
 sibilatrix, 131
 trochilus, 248
 Physiology, 59-60, 63, 64, 129-130, 158-163, 230, 235-237, 238-257, 323, 358-362, 363-369
 Phytotoma, 280
Piaya cayana mexicana, 305
 c. thermophila, 291
Pica pica, 41-42, 270
 Picidae, 64
 Piciformes, 365
Picoides arcticus, 216
 tridactylus bacatus, 69
Piculus aeruginosus, 266
 auricularis, 307
 Pigeon, Band-tailed, 265
 Red-billed, 291
 Wood, 243, 252, 255
 Pintail, 55, 172, 174, 189
Pipilo erythrophthalmus, 19, 28, 30, 32, 64, 350
 e. oaxacae, 350
 fuscus, 313, 324
 macronyx, 350
 maculatus, 350
 ocai, 313
 o. brunnescens, 350
 Pipit, Sprague's, 129, 216
Pipra mentalis, 360
Pipromorpha oleaginea, 319
 Piranga, 279
 erythrocephala, 312
 flava, 312
 f. dextra, 268
 ludoviciana, 130
 olivacea, 18-19
 rubra, 116-117
Pitangus sulphuratus, 308
 s. guatemalensis, 293
 Pitelka, Frank A. Generic placement of the Rufous-winged Sparrow, 47-48; personal mention, 212
Pitylus, 279
Pitymys pinetorum, 24
Platypsaris aglaiae albiventris, 308
 a. sumichrasti, 293
Plectrophenax nivalis, 130, 212, 360
Plegadis, 110-111
 falcinellus, 110-111
 mexicana, 110-111
 Plover, American Golden, 36, 351, 352
 Black-bellied, 182, 336
 Collared, 291
 European Golden, 248, 351
 Golden, 129, 134
 Semipalmated, 182
 Upland, 51, 112, 336
 Wilson's, 336
 Pluvialis, 129, 134
 apricaria, 248, 351
 dominica, 36, 351-352
Podilymbus podiceps, 304
Polioptila caerulea, 216
 c. caerulea, 294
 plumbea bairdi, 310
Polyborus cheriway, 289, 304
 Polygamy, 170-171, 222
Poocetes gramineus, 18-19, 28, 31
 Popocatepetl, Volcán de, 348
 Porphyrio, 165
 Porphyriops, 165
 Porphyriornis, 165
 Porphyrua, 165
 martinica, 290
 Porzana carolina, 24
 Porzana palmeri, 35

- Pough, Richard H. "Audubon Water Bird Guide" (reviewed), 355-356
- Preston, F. W. Egg-laying, incubation, and fledging periods of the Spotted Sandpiper, 43-44; Gray Heron chased by Common Gull, 110; Flight speed of Common Loon (*Gavia immer*), 198
- Progne chalybea, 293
 subis, 18-19, 129
- Protocalliphora, 364, 366
- Protonotaria citrea, 216, 280
- Psaltriparus minimus, 264
- Psilorhamphus, 213
- Psilorhinus morio, 293
- Psittirostra cantans, 285
- Ptarmigan, 214, 219-220
 Rock, 350-351
- Ptilogonys cinereus, 237, 310
 c. pallescens, 267-268
- Ptilonorhynchus violaceus, 254
- Puffinus lherminieri, 333
- Pygoscelis adeliae, 251
- Pyrocephalus rubinus, 132, 203-204, 293, 308
 r. mexicanus, 308
- Quail, 129, 140, 220, 252
 Barred, 305
 Bob-white, 18, 43, 129, 290, 305, 363, 364, 366
 California Valley, 249
 Hybrid, 220-221
 Singing, 230, 263, 340
- Quail-Dove, White-faced, 317
- Quebec, 198
- Quintana Roo, 64
- Quiscalus quiscula, 18, 47
- Rabbit, Cottontail, 19, 367
 Snowshoe, 172
- Raccoon, 360
- Racer, Blue, 24
- Rail, Laysan, 35
 Sora, 24
 Wake, 36
- Rails, 64
- Rallidae, 64, 165
- Ramphocoenus, 213
- Ramphocelus, 279-280
- Rana, 335
 pipiens, 173
- Rand, Austin L., personal mention, 122
- Randall, Robert N. The Cardinal in winter in North Dakota, 117
- Range, extension of, 44-45, 47, 55, 115-116, 117, 201, 203-204
- Rats, 35-36, 172, 360, 367
- Rattus norvegicus, 172
- Raven, 214, 304, 309
- Recognition, intraspecific, 53, 163-165
- Redhead, 174
- Redpoll, 40
 Common, 327-328
 Greater, 327-328
- Redstart, American, 76, 127
 Bright-bellied, 311, 321
 European, 248
 Slate-backed, 321
- Red-wing, 18-21, 24, 25, 28, 47, 64, 108, 172-173, 175, 294, 364
- Regulus calendula, 206
 regulus, 4, 80, 130, 234
- Reptiles, as prey of birds, 20, 24, 173, 200-201, 306
 as predators on birds, 42-43, 117-118
- Research, Graduate, in Ornithology, 62-64, 119, 120, 212
 Grants and Fellowships, 49, 50, 228
- Rhea americana, 366
- Rhinocryptidae, 213
- Rhinonyssidae, 365
- Rhinoptynx clamator, 292
- Rhode Island, 71-72
- Rhynchopsitta, 265
 pachyrhyncha, 129, 265
 terrisi, 265
- Rice-bird, 155
- Richdale, L. E. "The Pre-egg Stage in the Albatross Family" (reviewed), 215-216; personal mention, 51
- Richmondia, 279
 cardinalis, 18-19, 28-30, 33, 64, 117, 217
 c. coccinea, 295
- Richmondinae, 279
- Riparia riparia, 18, 64
- Ripley, S. Dillon. Remarks on the Philippine Mallard, 189-191
- Rissa tridactyla, 352
- Road-runner, Lesser, 305
- Robin, American, 18-22, 25, 28, 45, 126, 205, 310, 363, 366
 Black, 340

- British, 243-246, 254, 255
 Gray's, 294
 Rufous-backed, 310
 White-throated, 310
- Robins, Richard C., and William B. Heed.
 Bird Notes from La Joya de Salas,
 Tamaulipas, 263-270; ——— and Paul
 S. Martin and William B. Heed. Fri-
 gate-bird, Oyster-catcher, Upland Plover
 and various terns on the coast of Ta-
 maulipas, México, 336
- Rocky Mountain National Park, 127
 Rocky Mountains, 130, 133, 143, 196, 343
 Rook, 239-240, 244-245
 Roosting, 151, 156
 Roraimia, 213
Rostrhamus sociabilis plumbeus, 198-199,
 140
Rynchops nigra, 203
- Sacatón, 348
 Sahara, 133
 Salamander, 335
 Salomonsen, Finn. "Grønlands Fugle. The
 Birds of Greenland. Part I" (reviewed),
 55-56; Part II (reviewed), 350-352
Saltator, 279
coerulescens grandis, 295
Saltator, Gray, 295
 Sanderling, 336, 337
 Sandpiper, Bartramian, 51, 112, 336
 Least, 291, 351
 Red-backed, 337
 Semipalmated, 182, 351
 Sharp-tailed, 249
 Spotted, 43-44, 291, 305
 Stilt, 337
 Western, 182
 White-rumped, 183
 Sandpipers, 129
 San Luis Potosí, 315-322, 333
 Sapsucker, Yellow-bellied, 63
 Sarcoptoidea, 365
 Saskatchewan, 174, 339-340
 Saunders, Aretas A. The Song of the Song
 Sparrow, 99-109
 Saunders, Dorothy Chapman. Territorial
 Songs of the White-winged Dove, 330-
 332
Sayornis nigricans, 333
phoebe, 18, 26, 28, 30-33, 107
saya, 133, 264
Scalopus aquaticus, 19, 24
 Scandinavia, 130, 248
Scardafella inca, 291, 305, 333
 Scaup, Lesser, 64
 Scholander, P. F., his papers reviewed, 358-
 362
 Schorger, A. W. Deep diving of the Old-
 squaw, 112.
 Schwartz, Charles W., and Elizabeth Reeder
 Schwartz. Food Habits of the Barred
 Dove in Hawaii, 149-156
Sciurus carolinensis, 18, 19, 24
niger, 19, 24
 Scoter, American, 111
 Surf, 111
 Scotland, 219
 Scrub-Turkeys, 252
 Searles, Scott, and Emma U. Searles. Red-
 headed Woodpecker with malformed
 bill, 203
 Seedeater, 313
 Collared, 295
Sciurus, 280
aurocapillus, 21, 26, 30, 32, 34, 76
motacilla, 72-73
novaboracensis, 70, 72-73
Selasphorus platycercus, 133
 Setophaga, 280
ruticilla, 76, 127
 Shaub, B. M. Photographic Records of Cap-
 tured Birds, 327-329
 Shaver, Jesse M., personal mention, 121
 Shearwater, Audubon's, 333
 Shock disease, 59-60
 Shorebirds, 129-130, 132, 181-182
 Shoveller, 172, 174
 Shrew, Masked, 24
 Short-tailed, 24
 Shrike, Loggerhead, 130, 133, 310
 Northern, 130
 Red-backed, 129
 Shrike-Vireo, Chestnut-sided, 310
 Honey-browed, 310, 320
Sialia sialis, 64, 310, 366
 Sibley, Charles G. "Special Formation in
 the Red-eyed Towhees of México"
 (reviewed), 349; personal mention, 49
 Sick, Helmut. An egg of the Umbrella Bird,
 338-339

- Sigmodon, 367
Silky-Flycatcher, Gray, 237, 267-268, 310
Silky Fowl, 64
Simoxenops, 213
Simuliidae, 363
Sinaloa, 47, 67, 308
Siphonaptera, 363-367
Sitta canadensis, 130
 carolinensis, 18, 24, 309
 pusilla, 63
 pygmaea, 63
Skelton, Kathleen Green. Present size of the
 Everglade Kite population at Lake
 Okeechobee, Florida, 198-199
Skimmer, Black, 203
Skua, Great, 249, 351
 Long-tailed, 253, 351, 352
 Parasitic, 111-112
 Pomarine, 112, 253
Sloth, Two-toed, 360
Smaragdites theresiae, 114-115
Smaragdolanus, 280
Smew, 299-310
Smith, Robert H., see Hanson, Harold C.,
 and ———
Snake, Blue Racer, 24
 Garter, 117, 174
Snipe, Wilson's, 51
Snyder, Dana P., and J. Frank Cassel. A
 Late Summer Nest of the Red Crossbill
 in Colorado, 177-180
Snyder, L. L., "Ontario Birds" (reviewed),
 356-357
Somateria mollissima, 56
 spectabilis, 56
Song-flight, 89, 92-93, 96, 99, 107, 208-209
Sonora, 47-48, 131, 324-325, 349
Sorex cinereus, 24
South Carolina, 58, 181, 184
South Dakota, 196
Southampton Island, 55
Sparrow, Bachman's, 208-209
 Black-chested, 313
 Black-throated, 324
 Brewer's, 47-48, 321
 Cassin's, 131, 133, 208, 324
 Chipping, 28, 31, 33, 48, 126, 217, 312
 Cinnamon-tailed, 48
 Clay-colored, 47-48, 172
 English, 18-22, 25, 84-88, 116, 186, 230,
 243-244, 255, 312, 365-367
 Field, 21, 28, 30-32, 48, 101, 130
 Golden-crowned, 241
 Henslow's, 92
 House, see English
 Lark, 131
 Leconte's, 172
 Rufous-crowned, 48, 130, 313, 324
 Rufous-winged, 47-48, 252, 323-326
 Russet-tailed, 313
 Rusty, 45, 270
 Rusty-crowned, 313
 Savannah, 45, 126
 Song, 19, 21, 28, 30-34, 76, 92, 99-109,
 117, 126, 130, 186-188, 217, 243, 363,
 364
 Swamp, 28, 38-40
 Tree, 130
 Vesper, 18-19, 28, 31
 White-crowned, 243, 250
 White-throated, 69-70, 73, 145
 See also Atlapetes, Finch, and Saltator
Spartanoica, 213
Spatula clypeata, 172, 174
Speleognathus sturni, 366
Spencer, Olive Ruth, biog. sketch of, 37
Speotyto cunicularia, 112, 366
Sphyracticus varius, 63
Spindalis, 279
Spinetail, Rufous-breasted, 293, 337-338
Spinus lawrencei, 129
 psaltria, 131, 313
 p. psaltria, 313
 tristis, 21, 28, 30, 117-118
Spirochaetosis, 367
Spizaëtus ornatus, 263, 349
Spizella, 47-48
 arborea, 130
 breweri, 47-48, 172
 pallida, 47-48, 172
 passerina, 28, 31, 33, 48, 126, 217, 312
 pusilla, 21, 28, 30-32, 48, 101, 130
Spodiornis rusticus, 285
Spoonbill, Roseate, 56
Sporophila torqueola, 313
 t. moreletii, 295
Squatarola squatarola, 182, 336
Squirrel, Franklin's Ground, 172
 Fox, 19, 24
 Gray, 18, 19, 24
 Ground, 302
 Red, 18-19

- Striped Ground, 19, 24
 Southern Flying, 19, 24
 Staebler, Arthur E., personal mention, 50
 Starks, Kenneth J. Mexican Cormorant in
 Oklahoma, 333-334
 Starling, Common, 18-22, 25, 63, 243-245,
 251, 255, 365-367
 Rose-colored, 214
 Star-throat, Plain-capped, 307
 Stelgidopteryx ruficollis, 64, 72, 309
 Stephanophorus, 279
 Stercorarius longicaudus, 253, 351-352
 parasiticus, 111-112
 pomarinus, 112, 253
 Sterna albifrons, 291, 336
 a. browni, 291
 fuscata, 37, 249, 256
 hirundo, 41, 181-182, 184
 paradisaea, 63, 129, 352
 Stevenson, J. O. September nesting of the
 Barn Swallow in Arizona, 339-340
 Stewart, Robert E., see Bond, Gorman M.,
 and ———
 Storer, Robert W., review by, 215-216
 Stork, White, 133
 Streptopelia chinensis, 151
 Streptoprocne zonaris mexicana, 292
 Strix varia, 16, 22-25
 Strong, Reuben Myron, personal mention,
 66, 212; biog. sketch of, 98
 Struthio camelus, 366
 Sturnella magna, 19, 92, 206, 209, 312
 neglecta, 209
 Sturnidae, 285, 366
 Sturnopastor roseus, 214
 Sturnus vulgaris, 18-22, 25, 63, 214, 243-
 245, 251, 255, 365, 367
 Sula, 37
 Sun-Grebe, 290, 317
 Surinam, 45-47, 114
 Sutton, George Miksch. The Rufescent
 Tinamou, 67-68; Dispersal of Mistletoe
 by Birds, 235-237; *Empidonax albig-
 ularis* in southwestern Tamaulipas,
 339; color plates opp. 67, 143; reviews
 by, 55-56, 213-214, 348-349, 350-352;
 editorials by, 120, 210-211
 Swallow, Bank, 18, 64
 Barn, 272, 309, 339-340, 366
 Cliff, 105, 230, 364, 366, 367
 European Barn, 94, 248
 Mangrove, 293, 319
 Rough-winged, 64, 72, 309
 Tree, 366
 Violet-green, 272
 See also Martin
 Swallows, 132
 Swan, Mute, 41
 Trumpeter, 111
 Whistling, 111
 Swanson, Gustav A., see Bagg, Aaron M.,
 and ———
 Sweden, 131, 220
 Swift, Black, 129, 272, 343
 Cayenne, 272
 Chestnut-collared, 272
 Chimney, 63, 201-202, 343, 364
 Needle-tailed, 129
 Richmond's, 201-202
 San Gerónimo, 271-273
 Swifts, 129
 Sylvia atricapilla, 248
 communis, 248
 Sylviidae, 213, 278
 Sylvilagus floridanus, 19
 Synallaxis erythrothorax, 337-338
 e. furtiva, 293
 Synaptomys cooperi, 19, 24
 Syringophilus bi-pectinatus, 367

 Taber, Wendell. The Northern Element in
 the Summer Bird Life of South-Central
 New England, 69-73
 Tachycineta thalassina, 272
 Tachyphonus, 279
 rufus, 279
 surinamus, 279
 Taeniopygia castanotis, 252
 Tamaulipas, 56, 67, 263-270, 289-290,
 330-332, 336, 337, 339, 343, 348
 Tamias striatus, 18, 19, 20, 24, 366
 Tamiasciurus hudsonicus, 18, 19
 Tanager, Blue-gray, 294, 321
 Hepatic, 268, 312
 Red-headed, 312
 Scarlet, 18, 19
 Summer, 116-117
 Western, 130
 Yellow-winged, 294
 See also Ant-Tanager
 Tanagers, 274-287
 Tanagra, 235-237, 279

- affinis, 236
chlorotica, 280
elegantissima, color plate opp. 235; 235-237, 268-269, 340
lauta, 236
musica sclateri, 236
Tangavius aeneus, 294, 306, 312
Tapaculos, 213
Tapera naevia excellens, 291
Tattler, Wandering, 36
Teal, Blue-winged, 174
 Green-winged, 55
Telespiza cantans, 35
Telmatodytes palustris, 92, 172
Tennessee, 4, 234
Tern, Arctic, 63, 129, 352
 Black, 41, 182, 184, 230, 336
 Caspian, 41, 337
 Common, 41, 181-182, 184
 Gull-billed, 182
 Hawaiian, 36
 Least, 291, 336
 Noddy, 37, 250
 Royal, 182, 184, 291, 336
Territorialism, 63, 64, 83, 92-93, 131, 158-160, 163-165, 170, 189, 206, 242, 245, 254, 265
Tetrao, 219-220, 222
Tetrastes, 220
Texas, 64, 115, 143, 183, 235, 289, 305
Thalasseus maximus, 182, 184, 291, 336
 sandvicensis, 336
Thamnophilus doliatus intermedius, 293
Thamnophis, 117, 173
Thomas, Edward S. Black-throated Gray Warbler in Ohio, 206
Thomomys talpoides, 172
Thrasher, Brown, 19
 Curve-billed, 310
 Sage, 264
Thraupidae, 236, 274-287
Thraupinae, 280
Thraupis, 279-280
 abbas, 294
 episcopus, 294, 321
Thrush, Bicknell's Gray-checked, 69
 Hermit, 71, 73, 131, 266
 Veery, 132, 320
 Wood, 19, 28-29, 71, 267, 320
 See also Nightingale-Thrush
Thrushes, 129, 132-133
Thryomanes bewicki, 310
Thryothorus ludovicianus, 216
 sinaloa cinereus, 310
 s. sinaloa, 309-310
Tiaris olivacea, 268
Ticks, 303, 363-367
Tinamou, Rufescent, 56; color plate opp. 67; 67-68
Tit, Blue, 246
 Great, 246
 Tufted, 19, 63, 216
 See also Bush-Tit
Tityra, Black-capped, 318
 Masked, 308
Tityra semifasciata, 308
 s. griseiceps, 308
 s. personata, 308
Toad, American, 200
 Manitoba, 173
Tordoff, Harrison B. Reidentification of some swans, scoters and a jaeger from Kansas, 111-112; personal mention, 122; ——— and George P. Young. Short-billed Marsh Wren breeding in Kansas, 44-45
Torreornis, 211
Towhee, Brown, 63, 313, 324
 Collared, 313, 350
 Red-eyed, 19, 28, 30, 32, 64
Toxoplasmosis, 367
Toxostoma curvirostre, 310
 c. occidentale, 310
 rufum, 19
Trautman, Milton B., personal mention, 211
Traylor, Melvin A., personal mention, 122
Treponema gallinum, 367
Tribonyx, 165
Trinidad, 40
Triplehorn, Charles A., and R. S. Phillips. White Pelican on Ohio shore of Lake Erie, 41
Trogodytes aëdon, 129, 206-207, 217
 brunneicollis, 310
 trogodytes, 4, 69-70, 130, 234
Trogon, Citreoline, 292, 307
 Coppery-tailed, 307
 Mexican, 266, 307, 340
Trogon citreolus, 292, 307
 elegans ambiguus, 307
 mexicanus, 266, 307, 340
Tromidoidea, 365

- Tropic-bird, Red-tailed, 36-37
White-tailed, 35-37
- Troupials, 53
- Tsutsugamushi disease, 367
- Tularemia, 367
- Turdus assimilis renominatus*, 310
grayi grayi, 294
g. tamaulipensis, 294
infuscatus, 340
merula, 243, 255
migratorius, 18-22, 25, 28, 126, 205, 310, 363, 366
m. achrusterus, 45
rufo-palliatu, 310
- Turkey, domestic, 367
- Turnstone, 36, 182-183, 336, 337
- Tympanuchus, 222
cupido, 64, 216, 219, 222
- Tyrannus crassirostris*, 308
melancholicus, 304
m. chloronotus, 293
m. occidentalis, 308
tyrannus, 19, 230
verticalis, 131
- Tyto alba*, 201
a. guatemalae, 291
a. pratincola, 291
- Umbrella Bird, 338-339
- Urodynamis taitensis*, 129
- Utah, 41, 224
- Vancouver Island, 193
- Vanellus vanellus*, 133
- Van Tyne, Josselyn, personal mention, 50
- Veery, 132
- Venezuela, 5, 114, 183
- Veracruz, 57, 288-295, 333, 338, 348-349
- Verdin, 264
- Vermivora chrysoptera*, 5-15, 320
lawrencei, 5-15
leucobronchialis, 5-15
pinus, 5-15, 320
ruficapilla, 70, 127, 145
virginiae, 131
- Vestiaria*, 283
coccinea, 283, 285
- Vireo*, Blue-headed, 70, 72, 73
Golden, 311
Gray, 129
hutton's, 311
Red-eyed, 28-30, 131-133, 294, 311
Yellow-green, 133, 311
Yellow-throated, 19-21
- Vireo altiloquus*, 276, 280
flavifrons, 19, 21
griseus, 280
huttoni mexicanus, 311
hypochryseus, 311
olivaceus, 28-30, 131-133, 280, 294, 311
o. flavoviridis, 133, 294, 311
o. hypoleucus, 133, 311
solitarius, 70, 72-73
vicinior, 129
- Vireolanius melitophrys*, 320
m. goldmani, 310
- Vireonidae, 278, 280, 286, 366
- Virginia, 58, 184, 202-203, 336-337
- Voice, 45, 47-48, 67-68, 78, 89-97, 99-109, 145, 189, 205, 206, 208-209, 222, 230, 243, 250, 266-268, 292, 294, 305-313, 323, 330-332, 334-335, 338
- Volatinia jacarina*, 295, 313
j. diluta, 313
j. splendens, 295
- Vole, Meadow, 24, 171-172
Pine, 24
Red-backed, 172
- Vulture, Black, 289 304
Turkey, 16, 57, 71, 130, 289, 304
- Wagner, Helmuth O., personal mention, 342
- Wagtail, Gray-headed, 214
- Wake Islands, 35-37
- Walkinshaw, Lawrence H., personal mention, 211
- Wallace, George J., review by, 127-128
- Walters, Vladimir, his papers reviewed, 358-362
- Warbler, Alaska Myrtle, 132, 206
Audubon's, 134
Bell's, 263, 312
Black and White, 78
Blackburnian, 70, 72-73, 320
Black-capped or Wilson's, 4, 143-147
Black-throated Blue, 70, 72, 73
Black-throated Gray, 134, 206
Black-throated Green, 206
Blue-winged, 5-15, 320
Brewster's, 5-15
Canada, 70, 72, 73, 320
Cerulean, 115-116, 216

- Chestnut-sided, 144
Fan-tailed, 311
Golden Pileolated, 144
Golden-winged, 5-15, 320
Hermit, 134
Kirtland's, 129, 215
Lawrence's, 5-15
Magnolia, 69
Myrtle, 69, 70, 72, 73, 76, 127, 132, 206
Nashville, 70, 127, 145
Parula, 75-83
Pileolated, 143-144
Pitiayumi, 311
Prairie, 73
Prothonotary, 216
Red, 311
Rufous-capped, 311-312
Sedge, 248
Sycamore Yellow-throated, 4
Townsend's, 132, 134
Virginia's, 131
Willow, 248
Wilson's, 4; plate opp. 143; 143-147
Yellow, 28-30, 32-33, 127, 130-131, 217, 294
Yellow-throated, 4, 234
Warblers, 132-133, 274, 285
Warner, Dwain W., and Robert M. Mengel.
Notes on Birds of the Veracruz Coastal Plain, 288-295; personal mention, 51
Washington (State of), 64, 192, 194
Washington, D. C., 90, 196
Water-Thrush, Louisiana, 72-73
Northern, 70, 72-73
Waxwing, Cedar, 18, 19, 235-236, 267
Waxwings, 129
Weasel, 24, 359
Weather, its effect on: singing, 93-94, 96
Migration, 130, 133-134, 230
Feeding, 42, 117, 208
Breeding, 246, 252, 254-257
Wendt, Robert F., see Hale, James B., and
———
West Indies, 40, 53-54, 181, 346
West Virginia, 38-39, 45, 116, 220
Wheatear, 248
Whimbrel, 351
Whistler, Golden, 251
Whitethroat, 248
Wiggins, Ira L., personal mention, 51
Willet, 182, 336
Williams, George G. Letter to the Editor, 52-54.
Williams, John G., personal mention, 341
Wilson Bulletin publication dates, 1950, 140
Wilson Ornithological Club, Amendment to Constitution, 123, 329; Announcements, 4, 50, 52, 227-232; Editorial mention, 50, 51; History, 66; Library, 58, 74, 226, 228, 232; Chalif Grant for bird work in México, 50, 344; Louis Agassiz Fuertes Grant, 49, 228; New Life Members, 37, 40, 123, 137, 140, 148, 209, 314; Officers, 229; Proceedings, 227-231; Report of Treasurer, 370-371
Wilsonia canadensis, 70, 72-73, 320
pusilla chryseola, 144
p. pileolata, 143-144
p. pusilla, 4, color plate opp. 143, 143-147
Wing-flashing, 204-205
Winn, Howard Elliott, see Miller, Robert Rush, and ———
Wisconsin, 58, 84, 89-91, 93, 96, 112, 173, 183, 196, 200
Wood, Norman A., personal mention, 66
Woodcock, 92
Woodcreeper, Ivory-billed, 308
Woodhewer, Giant, 318
Spotted, 318
Woodhewers, 213
Wood-Partridge, Bearded, 317
Woodpecker, Acorn, 265, 307
American Three-toed, 69
Arctic Three-toed, 216
Arizona, 307
Bronzed, 266
Downy, 18, 364, 366
Golden-cheeked, 307, 312
Golden-fronted, 292
Gray-crowned, 307
Hairy, 18-19, 24
Ladder-backed, 292, 307
Lewis's, 129
Lineated, 292
Red-bellied, 216
Red-headed, 203
Woodpeckers, 64
Wood-Swallow, Dusky, 252
Wren, Banded Cactus, 293
Bewick's, 310
Brown-throated, 310
Canyon, 131, 266, 310

- Carolina, 216
 Gray-breasted Wood, 320
 House, 129, 206-207, 217
 Long-billed Marsh, 92, 122
 Rufous-naped Cactus, 293
 Short-billed Marsh, 44-45
 Sinaloa, 309-310
 Spotted, 309
 Spotted-breasted, 293
 Winter, 4, 69-70, 130, 234
 Wren-Tit, 243
 Wyoming, 143, 196
- Xanthocephalus xanthocephalus*, 112, 130,
 172-173, 175
Xanthopsar, 345
Xanthoura yncas, 340
 y. speciosa, 309
Xenodacnis, 287
Xenops, 213
Xenornis, 213
Xiphocolaptes promeropirhynchus, 318
Xiphorhynchus flavigaster, 308
 triangularis, 318
- Yellowstone National Park, 225
 Yellow-throat, Common, 21, 28, 64, 92, 107,
 127, 144
 Hooded, 268
 Thick-billed, 294
 Yogai, 250, 256
 Yosemite National Park, 225
 Young, George P., see Tordoff, Harrison B.,
 and ———
 Yucatán, 40
 Yukon, 51
- Zacatecas, 56
Zapus hudsonius, 19, 24, 172, 335
Zenaida asiatica asiatica, 330-332
 a. mearnsi, 305, 330-332
Zenaidura macroura, 18-22, 25, 112, 130-
 131, 265, 364
 Zimmerman, Dale A., and G. Bryan Harry.
 Summer Birds of Autlán, Jalisco,
 302-314
Zonotrichia albicollis, 69-70, 73, 145
 coronata, 241
 leucophrys, 243, 250
 Zugdisposition, 129