

INDEX TO VOLUME 92, 1980

BY NANCY J. FLOOD, GARY R. BORTOLOTTI AND DAVID J. BROOKS

This index includes references to genera, species, authors and key words or terms. In addition to avian species, references are made to the scientific names of all vertebrates mentioned within the volume. Common names are as they appeared in the volume. Reference is made to books reviewed, reviewers and announcements as they appeared in the volume.

- Acanthis flavirostris*, 429
Acanthiza murina, 518
Accipiter cooperii, 407, 510
 gentilis, 484
 striatus, 405
Accipiter spp., 89
Accipitridae, 132
Acquavella, A. P., see Barrows, Edward M.,
 ———, P. J. S. Weinstein and R. E.
 Nosal
Actitis hypoleucos, 18
 macularia, 9, 538
Aegolius acadicus, 475–488
Agelaius icterocephalus, 387
 phoeniceus, 87, 110, 170, 250, 401
Agelaius spp., 259
agriculture
 influence on avian communities in Colom-
 bia, 381–389
Aimophila carpalis, 245
Aix sponsa, 402, 415, 526–527
Ajaia ajaja, 383
Akepa, see *Loxops coccineus*
Alauda gulgula, 131
Alcedo atthis bengalensis, 132
alewife, see *Alosa pseudoharengus*
Ali, Sâlim, Indian hill birds, reviewed, 536
 ——— and S. Dillon Ripley, Handbook of the
 birds of India and Pakistan, Vol. I,
 2nd Ed., reviewed, 536
alligator, see *Alligator mississippiensis*
Alligator mississippiensis, 143
Alosa pseudoharengus, 121
Amakihi, Hawaii, see *Loxops virens virens*
 Kauai, *Loxops virens stejnegeri*
Amaurornis phoenicurus, 132
Amazona amazonica, 384
 farinosa, 384
 ochrocephala, 384
Amazonetta brasiliensis, 383
Ambystoma tigrinum, 124
Ammodramus savannarum, 436
 savannarum floridanus, 423
Amospiza maritima, 423, 436
Amphispiza belli, 425–438
 bilineata, 245
 montanus, 362–368
Amstrup, S. L. and T. P. McEaney, Bull
 snake kills and attempts to eat Long-
 eared Owl nestlings, 402
Anas acuta, 246, 251
 americana, 252
 crecca, 246
 discors, 251–252
 fulvigula maculosa, 527–529
 penelope, 252
 platyrhynchos, 122, 246, 247, 251, 523,
 527–529
 rubripes, 524, 529
 strepera, 122, 251
Anas spp., 17
Anhinga, see *Anhinga anhinga*
Anhinga anhinga, 383
Ani, Groove-billed, see *Crotophaga sulci-*
 rostris
 Smooth-billed, see *Crotophaga ani*
Anianiau, see *Loxops parva*
Anser albifrons, 88
 caerulescens, 122
Antbird, White-bellied, see *Myrmeciza*
 longipes
Anthracothonax nigricollis, 385
Anthus lutescens, 387
 novaeseelandiae, 132
Antshrike, Barred, see *Thamnophilus doli-*
 atus
 Black-crested, see *Sakesphorus canad-*
 ensis
Ant-Tanager, Red-crowned, see *Habia rub-*
 ica

- Apapane, see *Himatione sanguinea*
Aphelocoma coerulescens, 407
Aptenodytes fosteri, 534
 patagonica, 534
Aquila chrysaetos, 130, 408
Ara manilata, 384
 Araçari, Chestnut-eared, see *Pteroglossus castanotis*
Aramides cajanea, 384
Aratinga pertinax, 384
Archilochus colubris, 398–399
Ardea cocoi, 383
 herodias, 122, 126
 herodias occidentalis, 423
 purpurea, 132
Arenaria interpres, 18
Arremonops conirostris, 388
Arundinicola leucocephala, 386
Asio flammeus, 422
 otus, 402
Astacus sp., 124
Atalotriccus pilaris, 386
Atlapetes, 135
 awards and grants
 Aaron M. Bagg Student Award, 141
 Alexander Wilson Prize, 274
 Edwards Prizes, 274
 Louis Agassiz Fuertes Grant, 274, 329
 Margaret Morse Nice Award, 274, 329
 Paul A. Stewart Awards, 274, 329
 research grants, 488
 Auk, Great, see *Pinguinus impennis*
Aythya affinis, 246–247
 americana, 246, 414
 valisineria, 246, 247, 414
 Babblers, see *Timaliidae*
 Bailey, Theodore, Edward Bangs and Vernon Berns, Back carrying of young by Trumpeter Swans, 413
 Baird, J. W., The selection and use of fruit by birds in an eastern forest, 63–71
 Baker, Allan J., see Miller, Edward H. and ———
 Baker, Bruce W., Commensal foraging of Scissor-tailed Flycatchers with Rio Grande Turkeys, 248
 Bananaquit, see *Coereba flaveola*
 banding
 Catoptrophorus semipalmatus, 253–258
 Bangs, Edward, see Bailey, Theodore, ——— and Vernon Berns
 Baptista, Luis F., see Zerba, Eileen and ———
 Barbet, Crimson-breasted, see *Megalaima haemacephala*
 Barrowclough, George F., see Sibley, Fred C., ——— and Charles S. Sibley
 Barrows, Edward M., A. P. Acquavella, P. J. S. Weinstein and R. E. Nosal, Response to novel food in captive, juvenile Mockingbirds, 399–402
 bear, black, see *Ursus americanus*
 brown, see *Ursus arctos*
 beaver, see *Castor canadensis*
 Beaver, Donald L., Ronald G. Osborn and Thomas W. Custer, Nest-site and colony characteristics of wading birds in selected Atlantic coast colonies, 200–220
 Beecher, William J., Feeding adaptations and evolution in the starlings, reviewed, 137
 Bee-eater, Carmine, see *Merops nubicus*
 Beehler, Bruce, A comparison of avian foraging at flowering trees in Panama and New Guinea, 513–519
 behavior
 agonistic
 Passerella iliaca, 21–32
 Progne subis, 452–457
 breeding
 Dendroica discolor, 177–187
 Lagopus leucurus, 188–199
 Loxops coccineus, 261–263
 Paradisaea spp., 293–296
 Seiurus aurocapillus, 312–329
 Wading birds, 200–220
 copulatory
 Tympanuchus cupido, 260–261
 courtship
 emberzine finches, 245
 Pedioecetes phasianellus, 260–261
 Tympanuchus cupido, 260–261
 defecation
 Lagopus lagopus, 252–253
 display
 Oreoscoptes montanus, 512–513
 Paradisaea spp., 293–296

- diversionary
Haematopus leucopodus, 149–168
- food-related
Anas platyrhynchos, 523–527
Archilochus colubris, 398–399
Ardea herodias, 489–496
Coereba flaveola, 40–52
Dendroica pharetra, 40–52
Dolichonyx oryzivorus, 330–402
Eumomota superciliosa, 229–244
Grus canadensis, 122
Lagopus lagopus, 341–351
Meleagris gallopavo, 248
Mimus polyglottos, 399–402
mixed species flocks, 413–519
Momotus momota, 229–244
Nyctea scandiaca, 116–120
Otus asio, 250–251
Paradisaea decorum, 291
Pelecanus erythrorhynchos, 122–123
Sphyrapicus varius, 519–523
Spizella pallida, 458–465
Stercorarius parasiticus, 524–526
Vireo altiloquus, 40–52
Vireo modestus, 40–52
Vireo osburni, 40–52
warblers feeding from ice, 121
wintering eastern forest birds, 63–73
- parental
Charadrius vociferus, 8–20
Cygnus buccinator, 413
- play
Circus cyaneus, 128–130
- sexual dimorphism
Dendrocopos pubescens, 439–451
- social
wading birds, 200–220
- territorial
Acanthis flavirostris, 429
Amphispiza belli, 425–438
Leucosticte atrata, 429
Metallura tyriantina, 508–509
Passerculus sandwichensis, 429
Thryomanes bewickii, 429
Vireo griseus, 302–311
Zonotrichia albicollis, 74–87
- wintering
eastern forest birds, 63–73
Junco hyemalis, 88–95
Lagopus lagopus, 252–253
Loxia leucoptera, 114–116
Nyctea scandiaca, 116–120
Picoides borealis, 369–375
Turdus migratorius, 33–39
- Bentz, Gregory Dean, The appendicular myology and phylogenetic relationships of the Ploceidae and Estrildidae (Aves: Passeriformes), reviewed, 269–270
- Berger, Andrew J., Longevity of Hawaiian honeycreepers in captivity, 263–264
- Berger, Andrew J., review by, 537
- Berns, Vernon, see Bailey, Theodore, Edward Bangs and ———
- Best, Dave, see Williams, Joseph B., ——— and Colleen Warford
- Bildstein, Keith L., Adult Brown Pelican robs Great Blue Heron of fish, 122–123
———, Corn cob manipulation in Northern Harriers, 128–130
- Bingman, V. P., Factors affecting the incidence of distress calls in passerines, 404–408
- Bird of Paradise, Goldie's, see *Paradisaea decora*
Raggiana, see *Paradisaea raggiana*
- bison, see *Bison bison*
- Bison bison*, 143
- Bitterbaum, Erik J., see Brown, Charles R. and ———
- Bittern, Cinnamon Least, see *Ixobrychus cinnamomeus*
Pinnated, see *Botaurus pinnatus*
Stripe-backed, see *Ixobrychus involucris*
- Blackbird, Oriole, see *Gymnomystax mexicanus*
Melodius, see *Dives dives*
Red-breasted, see *Leistes militaris*
Red-headed, see *Agelaius phoeniceus*
Rusty, see *Euphagus carolinus*
Yellow-headed, see *Xanthocephalus xanthocephalus*
Yellow-hooded, see *Agelaius icterocephalus*
- Blarina brevicauda*, 119
- Blem, Charles R., A Paint-billed Crake in Virginia, 393–394
———, William H. N. Gutzke and Claire Filemyr, First breeding record of the

- Double-crested Cormorant in Virginia, 127-128
- Blohm, Robert J., Fred Van Dyke and Bradley C. Livezey, Marsh Hawks feeding on waterfowl, 251-252
- Blokpoel, Hans, see Haymes, Gerard T. and ———
- Bluebird, Eastern, see *Sialia sialis*
Mountain, see *Sialia currucoides*
- Bobolink, see *Dolichonyx oryzivorus*
- Bobwhite, Crested, see *Colinus cristatus*
- Boersma, P. Dee, review by, 533-535
- Bombycilla cedrorum, 405
garrulus, 121
- Bonasa umbellus, 147, 189-190
- Bortolotti, Gary R., review by, 422
- Botarus pinnatus, 383
- Bradley, R. A., Vocal and territorial behavior in the White-eyed Vireo, 302-311
- Branta canadensis, 170, 415
- Braun, Barbara M., Patricia A. Heinz and Gary H. Heinz, Herring Gull predation on Red-breasted Merganser ducklings, 403
- Braun, Clait E., see Griese, Herman J., Ronald A. Ryder and ———
———, see Giesen, Kenneth M., ——— and Terry A. May
- breeding biology, general
Catoptrophorus semipalmatus, 253-258
Charadrius vociferus, 8-20
Dendroica discolor, 177-187
Dolichonyx oryzivorus, 336-337
Lagopus leucurus, 188-199
Loxops coccineus, 261-263
Sayornis phoebe, 107-110
Spizella pallida, 264-265
Spizella pusilla, 264-265
wading birds, 200-220
- Brockman, Jane H., House Sparrows kleptoparasitize digger wasps, 394-398
- Brooks, Elizabeth W., Interspecific nesting of Clay-colored and Field sparrows, 264-265
- Brown, Charles R. and Erik J. Bitterbaum, Implications of juvenile harassment in Purple Martins, 452-457
- Bubo virginianus, 407
- Bubulcus ibis, 127, 200-220, 383
- Bucephala albeola, 246-247, 502
clangula, 246-247, 497-505
- Bufflehead, see *Bucephala clangula*
- Bufo americanus, 523-524
- bullhead, brook, see *Ictalurus melas*
- Bunting, Indigo, see *Passerina cyanea*
Meadow, see *Emberiza cioides*
Snow, see *Plectrophenax nivalis*
- Buntings, see *Emberiza* spp.
- Burhinus bistriatus, 384
- Burton, P., see Hayman, Peter and ———
- Bushtit, see *Psaltriparus minimus*
- Bustards, see *Choriotis* spp.
- Buteo albicaudatus, 383
albonotatus, 383
magnirostrus, 383
nitidis, 383
platypterus, 314
- Butorides striatus, 127, 132, 383
- Caccamise, D. F., Growth and development of major body components in the Monk Parakeet, 376-381
- Cacicus cela, 387
holosericeus, 387
- Cacique, Yellow-billed, see *Cacicus holosericeus*
Yellow-rumped, see *Cacicus cela*
- Cacomantis merulinus, 132, 133
- Cairns, David, Nesting density, habitat structure and human disturbance as factors in Black Guillemot reproduction, 352-361
- Calcarius lapponicus, 525
ornatus, 245
- Calidris alba, 18
alpina, 18, 246
canutus, 165
melanotos, 525
minutilla, 164
pusilla, 525
tenuirostris, 18
- Calypte anna, 53, 509
- Camarhynchus spp., 245
- Campephilus [Phloeocastes] gayaquilensis, 506-508
melanocephala, 385
- Camptostoma obsoletum, 386
- Campylorhynchus griseus, 386
- Canachites canadensis, 196
- Canis latrans, 195, 413

- Canvasback, see *Aythya valisineria*
Caprimulgus maculicaudus, 385
 Caracara, Black, see *Daptrius ater*
 Crested, see *Polyborus plancus*
 Yellow-headed, see *Milvago chimachima*
 Cardinal, see *Cardinalis cardinalis*
Cardinalis cardinalis, 66
Carduelis flammea, 116
 carp, see *Cyprinus carpio*
Carpodacus mexicanus, 407
 Case, Verna Miller, see Sherrill, Denise
 Moreau and ———
Casmerodius albus, 125, 127, 200–220
Cassidix mexicanus, 88
Castor canadensis, 498
Casuarus, 299
Catostomus commersoni, 124
Cathartes aura, 383
 burrovianus, 383
Catharus
 aurantiiostris, 112
 guttata, 67
 minimus, 424
Catoptrophorus semipalmatus, 126, 253–258
Centropus bengalensis, 132
 viridis mindorensis, 132
 viridis carpenteri, 132
Cephus grylle, 352–361
Certhia familiaris, 67, 449
Certhidea spp., 245
Ceryle torquata, 385
 Chachalaca, Speckled, see *Ortalis guttata*
Chaetura brachyura, 385
 Chaffinch, see *Fringilla coelebs*
Chalcostigma herrani, 5
Chamaea fasciata, 407
 Chamberlin, M. L., Winter hunting behavior of a Snowy Owl in Michigan, 116–120
Charadrius collaris, 384
 melodus, 254
 vociferus, 8, 162
Charmosyna papou, 517
 placentis, 516–519
Chelidoptera tenebrosa, 385
 Chickadee, Black-capped, see *Parus atricapillus*
 Carolina, see *Parus carolinensis*
 Chestnut-sided, see *Parus rufescens*
 Mountain, see *Parus gambeli*
 chipmunk, least, see *Eutamias minimus*
Chlidonias niger, 126
Chloroceryle aena, 385
 americana, 385
Chlorophanes spiza, 514–519
Chondestes grammacus, 245
Chordeiles acutipennis, 385
Choriotis spp., 248
Chrysocolaptes lucidus, 133
 lucidus xanthocephalus, 133
Chrysoptilus punctigula, 385
Cinclus mexicanus, 524
Circus cyaneus, 128
 cyaneus cyaneus, 252
 cyaneus hudsonicus, 251–252
Cissopsis leveriana, 387
Claravis pretiosa, 384
 Clark, R. J., Dwight G. Smith and Leon H. Kelso, Working bibliography of the owls of the world with summaries of current taxonomy and distributional status, reviewed, 422
 Clench, Mary, reviews by, 138–139, 423, 537–538
Coccyzus americanus, 384
 melacoryphus, 384
Coeligena lutetiae, 5
Coereba flaveola, 40, 41, 43–45, 50, 387
Colaptes auratus, 69, 171, 249
Colinus cristatus, 384
 Collins, K. Michael, see Sealy, Spencer G., Donald A. Sexton and ———
Coluber constrictor, 250
Coluber sp., 402
Columba cayennensis, 384
 livia, 384
Columbina minuta, 384
 talpacoti, 384
Columbus palumbus, 88
 Comets, see *Sappho* spp.
 comfort activities
 Paradisaea decora, 291–292
 Condor, California, see *Gymnogyps californianus*
 Conservation Committee (1978), Report on nongame conservation and management, 142–148
 Cooke, F., see Weir, R. D., ———, M. H. Edwards and R. B. Stewart
 Coot, American, see *Fulica americana*

- Coragyps atratus*, 383
 Cormorant, Double-crested, see *Phalacrocorax auritus*
Coturnicops noveboracensis, 96
Corvus monedula, 33
 ossifragus, 530
Corythopsis torquata, 126
 Coucal, Lesser, see *Centropus bengalensis*
 Philippines, see *Centropus viridis*
 Cowbird, Bronzed, see *Molothrus aeneus*
 Brown-headed, see *Molothrus ater*
 Giant, see *Scaphidura oryzivora*
 Shiny, see *Molothrus bonariensis*
 coyote, see *Canis latrans*
 Cracraft, Joel and Niles Eldredge (eds.),
 Phylogenetic analysis and paleontology,
 reviewed, 271
 Crane, Ash-throated, see *Porzana albicollis*
 Gray-breasted, see *Laterallus exilis*
 Paint-billed, see *Neocrex erythrops*
 Yellow-breasted, see *Porzana flaviventer*
 Crane, Greater Sandhill, see *Grus canadensis canadensis*
 Lesser Sandhill, see *Grus canadensis tabida*
 Whooping, see *Grus americana*
 crayfish, see *Astacus* sp.
 Creeper, Brown, see *Certhia familiaris*
 Hawaiian, see *Loxops maculatus mana*
 Kauai, see *Loxops maculata bairdi*
 Crossbill, Red, see *Loxia curvirostris*
 White-winged, see *Loxia leucoptera*
Crotophaga ani, 174, 384
 sulcirostris, 174
Crotophaga spp. 170
 Crow, Fish, see *Corvus ossifragus*
 Cruikshank, H. G., The nesting season: The
 photographs of Frederick Kent Truslow,
 reviewed, 537-538
 Cruz, Alexander, Feeding ecology of the
 Black-whiskered Vireo and associated
 gleaning birds in Jamaica, 40-52
Crypturellus cinereus, 383
 undulatus, 383
 Cuckoo, Dark-billed, see *Coccyzus melacoryphus*
 Little, see *Piaya minuta*
 Plaintive, see *Cacomantis merulinus*
 Squirrel, see *Piaya cayana*
 Striped, see *Tapera naevia*
 Yellow-billed, see *Coccyzus americana*
Cyanerpes cyaneus, 514-519
 lucidus, 514-519
Cyanocitta cristata, 67, 120, 485
Cyanocorax violaceus, 386
Cygnus atratus, 413
 buccinator, 413
 melanocoryphus, 413
 oler, 413
Cyprinus carpio, 124, 125
 Dabchick, see *Tachybaptus ruficollis*
 Dacnis, Blue, see *Dacnis cayana*
Dacnis cayana, 514-519
Daptrius ater, 383
 De Benedictus, Paul, see McCaskie, Guy,
 ———, Richard Ericksen and Joseph
 Morlan
 DeGraaf, Richard M. and Gretchin M.
 Witman, Trees, shrubs and vines for
 attracting birds. A manual for the
 Northeast, reviewed, 138-139
Dendragapus canadensis, 530
 obscurus, 190, 192
Dendrocopos borealis, 530
 maculatus, 131, 132
 pubescens, 439-451
Dendrocygna autumnalis, 383
 bicolor, 383
 viduata, 383
Dendroica coronata, 67, 121
 discolor, 177-187
 fuscus, 121
 kirtlandii, 142
 palmarum, 121
 pennsylvanica, 21, 326
 petechia, 121
 pharetra, 40, 41, 43-45, 50
 striata, 387
 townsendi, 406
 virens, 21
 Dick, J. H., Other Edens: the sketchbook of
 an artist naturalist, reviewed, 538
 Dickcissel, see *Spiza americana*
 Dickson, J. G., Richard N. Conner, Robert
 R. Fleet and Jerome A. Jackson, The
 role of insectivorous birds in forest
 ecosystems, reviewed, 418-420
Dicrostonyx groelandicus, 348

- Dicurus baliassius mirabilis*, 133
 hottentotus, 517–519
 diet, see behavior, food-related
 dimorphism, sexual
 Dendrocopos pubescens, 439–451
Diomedea chrysostoma, 534
 Dipper, see *Cinclus mexicanus*
 Diptera, 60, 121
 distribution
 of birds in Honduras, 125–126
 Loxia leucoptera, 114–116
 Phalacrocorax auritus, 127–128
 Puffinus diomedea, 265–266
 Rallidae, 96–102
 disturbance
 effect on *Cephus grylle*, 352–361
Dives dives, 113
 Dodo, 137
Dolichonyx oryzivorus, 330–340, 387
Donacobius atricapillus, 387
Doryfera spp., 509
 Dove, Eared, see *Zenaida auriculata*
 Mourning, see *Zenaida macroura* and
 Zenaidura macroura
 Rock, see *Columba livia*
 Scaled, see *Scardafella squammata*
 White-tipped, see *Leptotila verreauxi*
 Zebra, see *Geopelia striata*
 Dowitcher, see *Limnodromus* sp.
 Drennan, S. R. (ed.), *The birder's field note-*
 book, reviewed, 539
 Drepanididae, 263–264
 Drongo, Shiny, see *Dicurus baliassius*
 mirabilis
 Spangled, see *Dicurus hottentotus*
Dryocopus lineatus, 385
 martius, 503
 pileatus, 419, 503, 504
 Duck, Black, see *Anas rubripes*
 Brazilian, see *Amazonetta braziliensis*
 Mallard, see *Anas platyrhynchos*
 Masked, see *Oxyura dominica*
 Mottled, see *Anas flavigula maculosa*
 Redhead, see *Aythya americana*
 Wood, see *Aix sponsa*
Ducula bicolor, 132
 poliocephalus, 132
 Dunlin, see *Calidris alpina*
 Eagle, Bald, see *Haliaeetus leucocephalus*
 Golden, see *Aquila chrysaetos*
 Monkey-eating, see *Pithecophaga jefferyi*
 White-breasted Sea, see *Haliaeetus leuco-*
 gaster
 Edwards, M. H., see Weir, R. D., F. Cooke,
 ——— and R. B. Stewart
 eggs
 runt, 103–107, 169–176
 Egret, Cattle, see *Bubulcus ibis*
 Great, see *Casmerodius albus*
 Little, see *Egretta garzetta*
 Snowy, see *Egretta thula*
Egretta garzetta, 132
 thula, 127
 Eider, common, see *Somateria mollissima*
Elaenia chiriquensis, 386
 flavogaster, 386
Elaenia, Lesser, see *Elaenia chiriquensis*
 Yellow-bellied, see *Elaenia flavogaster*
Elanus caeruleus, 132
 leucurus, 383
Elaphe obsoleta, 526–527
Elaphe sp., 402
 Eldredge, Niles, see Cracraft, Joel and
 ———
 Eleonora's Falcon, see *Falco eleonora*
Emberiza cioides, 436
Emberiza spp., 245
 Emberizinae, 245–246
Emberizoides herbicola, 388
Empidonax difficilis, 511
Enhydra lutris, 143
Eremophila alpestris, 120
 Erickson, Richard, see McCaskie, Guy,
 Paul De Benedictis, ——— and Jo-
 seph Morlan
Eriocnemis vestitus, 5
Esox lucius, 124
Eucalia inconstans, 124, 125
Eudocimus alba, 383
 ruber, 383
Eudynamis scolopacea, 132
Eudytes cristatus, 534
 schlegeli, 534
 sclateri, 534
Eumomota superciliosa, 229–244
Euphonia xanthogaster, 387
Eurycea bislineata, 251
Eutamias minimus, 510
 Facemire, Charles F. and Stephen D. Fret-

- well, Nest predation by the speckled king snake, 249–250
- Falco columbarius*, 423, 510
concolor, 532
eleonarae, 531–533
femoralis, 383
mexicanus, 408, 533
peregrinus, 130, 252
rufigularis, 383
sparverius, 383, 510
- Falcon, Aplomado, see *Falco femoralis*
- Collared Forest, see *Micrastur semitorquatus*
- Laughing, see *Herpetotheres cachinnans*
- Peregrine, see *Falco peregrinus*
- Prairie, see *Falco mexicanus*
- Sooty, see *Falco concolor*
- Faanes, Craig A., Breeding biology of Eastern Phoebes in northern Wisconsin, 107–110
- Ferguson-Lees, James, Quentin Hockliffe and Ko Zweeres (eds.), A guide to bird watching in Europe, reviewed, 539
- Filemyr, Claire, see Blem, Charles R., William H. N. Gutzke and ———
- Finch, Black-crested, see *Lophospingus pusillus*
- Black Rosy, see *Leucosticte atrata*
- House, see *Carpodacus mexicanus*
- Laysan, see *Psittirostra cantans cantans*
- Nihoa, see *Psittirostra cantans altima*
- Saffron, see *Sicalis flaveola*
- Finches, Galapagos, see *Geospiza*, *Certhidea*, *Platyspiza* and *Camarhynchus*
- Flicker, Common, see *Colaptes auratus*
- Florida caerulea, 127, 200–220, 383
- Florisuga mellivora, 514–519
- Fluvicola caerulea, 383
- Flycatcher, Ash-throated, see *Myiarchus cinerascens*
- Boat-billed, see *Megarhynchus pitangua*
- Brown-crested, see *Myiarchus tuberculifer*
- Dusky-capped, see *Myiarchus tyrannulus*
- Fork-tailed, see *Muscivora tyrannus*
- Great-crested, see *Myiarchus crinitus*
- Pied, see *Muscicapa hypoleuca*
- Rusty-margined, see *Myiozetetes cayanensis*
- Scissor-tailed, see *Muscivora forficata*
- Short-crested, see *Myiarchus ferox*
- Social, see *Myiozetetes similis*
- Streaked, see *Myiodynastes maculatus*
- Western, see *Empidonax difficilis*
- Yellow-breasted, see *Tolmomyias flaviventris*
- Yellow-olive, see *Tolmomyias sulphurens*
- foraging, see behavior, food-related
- Forpus conspicillatus*, 384
- Forsythe, Dennis H., Cory's Shearwater off the South Carolina coast, 265–266
- fostering
of eggs by *Branta canadensis*, 415
- Fowl, Domestic, see *Gallus domesticus*
- fox, see *Vulpes vulpes*
- Fregata magnificens*, 423
- Fretwell, Stephen D., see Facemire, Charles F. and ———
- Frigatebird, Magnificent, see *Fregata magnificens*
- Fringilla coelebs, 485
- Fulica americana, 246–247
- Fulmar, Giant, see *Macronectes giganteus*
- Gadwall, see *Anas strepera*
- Gallinago gallinago, 385
- Gallinula chloropus, 132
- Gallinule, see *Gallinula chloropus*
- Azure, see *Porphyryula flavirostris*
- Purple, see *Porphyryula martinica*
- Gallus domesticus*, 17, 170, 172
- Gamponyx swainsonii*, 383
- Gannet, see *Morus bassanus*
- Gannets, see *Sula* spp.
- Gauthier, M. see Lumsden, Harry G., R. E. Page and ———
- Geopelia striata*, 132
- Geospiza*, 245
- Geothlypis aequinoctialis*, 387
- Giesen, Kenneth M., Clait E. Braun and Terry A. May, Reproduction and nest-site selection by White-tailed Ptarmigan in Colorado, 188–199
- Glaucis hirsuta*, 385
- Gnatpiper, Ringed, see *Corythopis torquata*
- Goertz, John W., Angela S. Morris and Stephen M. Morris, Ruby-throated Hummingbirds feed at night with the aid of artificial light, 398–399

- Goldeneye, Common, see *Bucephala clangula*
- Goldenthrout, White-tailed, see *Polytmus guainumbi*
- Goldman, Peter, Flocking as a possible predator defense in Dark-eyed Junco, 88-95
- Goose, Blue, see *Anser caerulescens*
Canada, see *Branta canadensis*
White-fronted, see *Anser albifrons*
- Goossen, J. Paul, see McNicholl, Martin K. and ———
- Gorman, M. L., Island ecology, reviewed, 536
- Goshawk, see *Accipiter gentilis*
- Grace, Jim W., Cleptoparasitism by Ring-billed Gulls of wintering waterfowl, 246-248
- Grackle, Carib, see *Quiscalus lugubris*
Common, see *Quiscalus quiscula*
Great-tailed, see *Cassidix mexicanus*
- Grass-Finch, Wedge-tailed, see *Emberizoides herbicola*
- Grassquit, Blue-black, see *Volatinia jacarina*
Melodius, see *Tiaris canora*
Yellow-faced, see *Tiaris olivacea*
- Graves, Gary R., A new species of metal-tail hummingbird from northern Peru, 1-7
- Grebe, Least, see *Podiceps dominicus*
Pied-billed, see *Podilymbus podiceps*
- Green, R. H., Sampling design and statistical methods for environmental biologists, reviewed, 420-421
- Greenshank, see *Tringa nebularia*
- Grosbeak, Evening, see *Hesperiphona vespertina*
- Ground-Dove, Blue, see *Claravis pretiosa*
Plain-breasted, see *Columbina minuta*
Ruddy, see *Columbina talpacoti*
- Grouse, Blue, see *Dendragapus obscurus*
Red, see *Lagopus lagopus*
Ruffed, see *Bonasa umbellus*
Sharp-tailed, see *Pediocetes phasianellus*
Spruce, see *Canachites canadensis*
- growth
of *Myopsitta monachus*, 376-381
- Grus americana, 147
canadensis canadensis, 122
canadensis tabida, 122
- Guillemot, Black, see *Cephus grylle*
- Gull, Black-headed, see *Larus ridibundus*
Bonaparte's, see *Larus philadelphia*
Glaucous, see *Larus hyperboreus*
Glaucous-winged, see *Larus glaucescens*
Herring, see *Larus argentatus*
Ring-billed, see *Larus delawarensis*
Red-billed, see *Larus novaehollandiae*
Thayer's, see *Larus thayeri*
- Gulo gulo, 413
- Gutzke, William H. N., see Blem, Charles R., ——— and Claire Filemyr
- Gymnogyps californianus, 142
- Gymnomystax mexicanus, 387
- Habia rubica*, 113
- habitat
alteration, effects on motmots, 242
see also disturbance
structure, *Dendroica discolor* 177-187
- Haematopus ater*, 149, 151, 153-157, 159-161, 163, 165
bachmani, 149, 151, 153, 163-165
chathamensis, 163-164
fuliginosus, 164
leucopodus, 164
moquini, 163
ostralegus, 149-150, 163-164
palliatu, 126, 149-155, 157, 159
unicolor, 163-164
- Haliaeetus leucocephalus*, 413, 423
leucogaster, 132
- Haliastur indus*, 132
- Hall, George, review by, 134-135
- Halliday, Tim, Vanishing birds, reviewed, 137-138
- Hammerson, Geoffrey A., Solitary Vireo nest used by Western Flycatcher, 511
- Hanssen, Ingolf, see Parker, Howard and ———
- Harpactes ardens*, 132
- Harrier, Hen, see *Circus cyaneus cyaneus*
Northern, see *Circus cyaneus*
- Hawk, Broad-winged, see *Buteo platypterus*
Cooper's, see *Accipiter cooperi*
Gray, see *Buteo nitidus*
Marsh, see *Circus cyaneus hudsonicus*
Roadside, see *Buteo magnirostris*
Savanna, see *Heterospizias meridionales*
Sharp-shinned, see *Accipiter striatus*

- White-tailed, see *Buteo albicaudatus*
 Zone-tailed, see *Buteo albonotatus*
- Hayman, Peter and Philip Burton, The bird-life of Britain, reviewed, 134-135
- Haymes, Gerard T. and Hans Blokpoel, The influence of age on the breeding biology of Ring-billed Gulls, 221-228
- Heagy, Patricia A., see Ryan, Mark R. and ———
- Heintzleman, Donald S., A guide to hawk watching in North America, reviewed, 539
- Heinz, Gary H., see Braun, Barbara M., Patricia A. Heinz and ———
- Heinz, Patricia A., see Braun, Barbara M., ——— and Gary H. Heinz
- Henry, S. M., A guide to the birds of Ceylon, reviewed, 134
- Hermit, Littler, see *Phaethornis longuemareus*
 Long-tailed, see *Phaethornis superciliosus*
 Rufous-breasted, see *Glaucis hirsuta*
- Heron, Black-crowned Night, see *Nycticorax nycticorax*
 Capped, see *Ptilerodias pileatus*
 Great Blue, see *Ardea herodias*
 Great White, see *Ardea herodias occidentalis*
 Green, see *Butorides striatus*
 Little Blue, see *Florida caerulea*
 Little Mangrove, see *Butorides striatus*
 Louisiana, see *Hydranassa tricolor*
 Purple, see *Ardea purpurea*
 Striated, see *Butorides striatus*
 Whistling, see *Syringma sibilatrix*
 White-necked, see *Ardea cocoi*
- Herpetotheres cachinnans*, 383
- Hesperiphona vespertina*, 404
- Heterospizias meridionales*, 383
- Hickey, Joseph, review by, 535-536
- hillstars, see *Oreotrochilus* spp.
- Hillstar, Andean, see *Oreotrochilus estella*
- Himatione sanguinea*, 264
- Himantopus himantopus*, 384
mexicanus, 126
- Hirundo rustica*, 386
- Hoatzin, see *Opisthocomus hoazin*
- Hockliffe, Quentin, see Ferguson-Lees, James, ——— and Ko Zweres
- Hoffman, Ronald H., Sandhill Cranes prey on Canada Goose eggs, 122
- home range
Picoides borealis, 369-375
- Honeycreeper, Green, see *Chlorophanes spiza*
 Shining, see *Cyanerpes lucidus*
 Red-legged, see *Cyanerpes cyaneus*
- honeycreepers
 Hawaiian, see Drepanididae
- Honeyeater, Black and Red, see *Myzomela rosenbergii*
 Black-throated, see *Meliphaga subfrenata*
 Brown-backed Streaked, see *Ptiloprora guisei*
 Long-billed, see *Melilestes megarhynchus*
 Marbled, see *Pycnopygius cinereus*
 Sooty, see *Melidectes fuscus*
 Tawny-breasted, see *Meliphaga flaviventer*
 White-marked, see *Meliphaga albonotata*
- Hoploxypterus cayanus*, 384
- Horn, D. J., R. D. Mitchell and Gordon R. Stairs (eds.), Analysis of ecological systems, reviewed, 421
- Hummingbird, Anna, see *Calypte anna*
 Ruby-throated, see *Archilochus colubris*
 Rufous, see *Selasphorus rufus*
- Hundley, M. H., review by, 424
- hybridization
 in ducks, 527-529
 in gulls, 389-393
- Hydranassa tricolor*, 200-220
- Hydrurga leptonyx*, 534
- Hyllocichla mustelina*, 68
- Ibis, Bare-faced, see *Phimosus infuscatus*
 Glossy, see *Plegadis falcinellus*
 Scarlet, see *Eudocimus ruber*
 White, see *Eudocimus albus*
- Ictalurus melas*, 124, 125
- Icterus galbula*, 466-474
galbula galbula, 466-474
galbula bullockii, 466-474
gularis, 112, 113
pectoralis, 112, 113
sclateri, 112, 113
- Ixobrychus involucris*, 383
cinnamomeus, 132
- Ixoreus naevis*, 405
- Jacana jacana*, 384
- Jacana*, Wattled, see *Jacana jacana*

- Jackdaw, see *Corvus monedula*
- Jacobin, White-necked, see *Florisuga mellivora*
- Jaeger, Parasitic, see *Stercorarius parasiticus*
- Pomarine, see *Stercorarius pomarinus*
- Long-tailed, see *Stercorarius longicaudatus*
- James, Frances C., review by, 420-421
- James, Ross D., review by, 538
- Jay, Blue, see *Cyanocitta cristata*
- Gray, see *Perisoreus canadensis*
- Scrub, see *Aphelocoma coerulescens*
- Violaceous, see *Cyanocorax violaceus*
- Jehl, J. R., Jr., review by, 417-418
- Johnsgard, Paul A., Ducks, geese and swans of the world, reviewed, 270-271
- , Birds of the Great Plains: breeding species and their distribution, reviewed, 530-531
- Junco, Dark-eyed, see *Junco hyemalis*
- Oregon, see *Junco hyemalis oregonus*
- Kalahar, Thomas J., see Svedarsky, W. Daniel and ———
- Kale, H. W., II (ed.), Rare and endangered biota of Florida, Vol. 2: Birds, reviewed, 423
- Kauai Oo, see *Moho braccatus*
- Keller, Charles E., Shirley A. Keller and Timothy C. Keller, Indiana birds and their haunts: a checklist and finding guide, reviewed, 271
- Keller, Shirley A., see Keller, Charles E., ——— and Timothy C. Keller
- Keller, Timothy C., see Keller, Charles E., Shirley A. Keller and ———
- Kestrel, American, see *Falco sparverius*
- Killdeer, see *Charadrius vociferus*
- King, James R., see Walberg, Glenn E. and ———
- Kingbird, Eastern, see *Tyrannus tyrannus*
- Tropical, see *Tyrannus melancholicus*
- Kingfisher, Green, see *Chloroceryle americana*
- Pygmy, see *Chloroceryle aena*
- Ringed, see *Ceryle torquata*
- Kinglet, Golden-crowned, see *Regulus satrapa*
- Ruby-crowned, see *Regulus calendula*
- Kiskadee, Great, see *Pitangus sulphuratus*
- Lesser, see *Pitangus lictor*
- Kite, Black-winged, see *Elanus caeruleus*
- Brahminy, see *Haliastur indus*
- Pearl, see *Gampsonyx swainsonii*
- Plumbeous, see *Ictinia plumbea*
- White-tailed, see *Elanus leucurus*
- Kittiwake, Black-legged, see *Rissa tridactyla*
- kleptoparasitism
- by *Larus delawarensis* on waterfowl, 246-248
- of digger wasps by *Passer domesticus*, 394-398
- by *Pelicanus occidentalis*, 122-123
- Knapton, Richard W., Nestling foods and foraging patterns in the Clay-colored Sparrow, 458-464
- , Birds of the Gainsborough-Lyleton region (Saskatchewan and Manitoba), reviewed, 134
- Knot, see *Calidris canutus*
- Great, see *Calidris tenuirostris*
- Koel, see *Eudynamis scolopacea*
- Koenig, Walter D., The determination of runt eggs in birds, 103-107
- , The incidence of runt eggs in woodpeckers, 169-176
- Lafresnaya lafresnayi, 508
- Lagopus lagopus, 122, 189, 192, 252-253
- leucurus, 188-199
- mutus, 253
- Lalage nigra, 132
- Lampropeltis getulus holbrooki, 249-250
- lancebills, see *Doryfera* spp.
- Lanius spp., 89, 532
- Lapin, Beth P., see Hammerson, Geoffrey A. and ———
- Lapwing, see *Vanellus vanellus*
- Pied, see *Hoploxypterus cayanus*
- Southern, see *Vanellus chilensis*
- Lark, Horned, see *Eremophila alpestris*
- Larus argentatus, 389-393, 403
- delawarensis, 221-228, 246-248
- glaucescens, 393
- hyperboreus, 389-393
- marinus, 392, 403
- novaehollandiae, 225
- philadelphia, 246
- ridibundus, 246-247
- thayeri, 392

- Larus* spp. 170, 174
Laterallus exilis, 384
 jamaicensis, 96
 Lein, M. R., Display behavior of Ovenbirds (*Seiurus aurocapillus*) I. Non-song vocalizations, 312-329
Leistes militaris, 387
 lemming, brown, see *Lemmus trimucronatus*
 Greenland collared, see *Dicrostonyx groelandicus*
 Lemmus trimucronatus, 348
 Lenington, Sarah, Bi-parental care in Killdeer: an adaptive hypothesis, 8-20
Leptotila verreauxi, 384
Leucosticte atrata, 429
 life members
 Beehler, Bruce, 288
 Craig, Robert, 139
 Grant, Gilbert, 273
 Hill, Randy, 273
 Joyce, Michael R., 288
 Spendelow, Jeffrey A., 87
Limnodromus sp., 126
 Lingle, Gary R. and Norman F. Sloan, Food habits of White Pelicans during 1976 and 1977 at Chase Lake National Wildlife Refuge, North Dakota, 123-125
 longevity in captivity
 Himantione sanguinea, 263-264
 Loxops maculata bairdi, 263-264
 Loxops parva, 263-264
 Loxops virens stejnegeri, 263-264
 Loxops virens virens, 263-264
 Psittirostra cantans, 263-264
 Longspur, Chestnut-sided, see *Calcarius ornatus*
 Lapland, see *Calcarius lapponicus*
Lophospingus pusillus, 245
Loriculus philippensis, 132
 Lory, Fairy, see *Charmosyna papou*
 Orange-billed Mountain, see *Neopsittacus pullicauda*
 Plum-faced Mountain, see *Oreopsittacus arfaki*
 Rainbow, see *Trichoglossus haematodus*
 Yellow-fronted Blue-eared, see *Charmosyna placentis*
Loxia curvirostra, 114, 530
 leucoptera, 114
 leucoptera bifasciata, 115
Loxops coccyneus, 261-263
 maculata bairdi, 264
 maculata mana, 263
 parva, 264
 virens stejnegeri, 264
 virens virens, 264
 Lumsden, H. G., Eggless Canada Goose raises foster broods, 415
 ———, R. E. Page and M. Gauthier, Choice of nest boxes by Common Goldeneyes in Ontario, 497-505
Lutra canadensis, 413
 Macaw, Red-bellied, see *Ara manilata*
Machetornis rixosus, 386
Macronectes giganteus, 534
 Mahoney, Shane P., see Threlfall, William and ———
Manacus manacus, 386
 Manakin, White-bearded, see *Manacus manacus*
 Mango, Black-throated, see *Anthracothorax nigricollis*
 Mares, M. A., review by, 421
 Marsh-Tyrant, White-headed, see *Arundinicola leucocephala*
 Martin, D. J., Response by male Fox Sparrows to broadcast of particular conspecific songs, 21-32
 Martin, Purple, see *Progne subis*
 May, Terry A., see Giesen, Kenneth M., Clait E. Braun and ———
 McCaskie, Guy, Paul De Benedictis, Richard Erikson and Joseph Morlan, Birds of northern California: an annotated field list, reviewed, 137
 McEneaney, T. P., see Amstrup, S. C. and ———
 McKay, W. D., The influence of agriculture on avian communities near Villavicencio, Colombia, 381-389
 McNicholl, Martin K. and J. Paul Goossen, Warblers feeding from ice, 121
 Meadowlark, Eastern, see *Sturnella magna*
 meetings and conferences
 1981 (62nd) WOS annual meeting, bylaw change, announcement, 465
 1980 (61st) annual meeting proceedings of

- The Wilson Ornithological Society, 274–287
- 1980 Colonial Waterbird Group meeting, announcement of, 140
- Symposium on the Bald Eagle in Washington, announcement of, 140
- Megalaima haemacephala*, 133
- Megarhynchus pitangua*, 233
- Melanerpes aurifrons*, 171, 439
- carolinus*, 69, 171, 249
- cruentatus*, 385
- erythrocephalus*, 103, 171, 249, 440–451
- formicivorus*, 103, 169–176
- lewis*, 103, 171
- striatus*, 439
- uropygialis*, 171
- Meleagris gallopavo*, 402
- gallopavo intermedia*, 248
- Melidectes*, Belford's, see *Melidectes belfordi*
- Melidectes belfordi*, 518
- fuscus*, 518
- torquatus*, 517
- Melilestes megarhynchus*, 517
- Meliphaga flaviventer*, 517
- subfrenata*, 518
- Melospiza lincolni*, 28
- melodia*, 28, 31, 68, 407
- Melospiza* spp., 26, 245
- Merganser*, Common, see *Mergus merganser*
- Hooded, see *Mergus cucullatus*
- Red-breasted, see *Mergus serrator*
- Mergus cucullatus*, 498, 503, 526–527
- merganser*, 247–248
- serrator*, 246–247, 403
- Merlin*, see *Falco columbarius*
- Merops nubicus*, 248
- Metallura aeneocauda*, 1, 2, 4, 6
- aeneocauda malagae*, 2, 4
- baroni*, 1–2, 407
- eupogon*, 1–6
- iracunda*, 2
- odomae*, 3–7
- phoebe*, 1–2
- theresiae*, 107
- tyrianthina*, 1, 5, 508–509
- williami atrigularis*, 1–4, 6
- williami primolinus*, 1–2, 4, 6
- williami recisa*, 1–2, 4, 6
- williami williami*, 1–4, 6
- Metaltail*, Coppery, see *Metallura theresiae*
- Fire-throated, see *Metallura eupogon*
- Neblina*, see *Metallura odomae*
- Scaled, see *Metallura aeneocauda*
- Tyrian, see *Metallura tyrianthina*
- Violet-throated, see *Metallura baroni*
- Viridian, see *Metallura williami*
- Micraster semitorquatus*, 126
- Micropalama himantopus*, 18
- Microtus oeconomus*, 348
- pennsylvanica*, 117, 128
- migration
- Aegolius acadicus*, 475–488
- Sphyrapicus varius*, 519–523
- Miller, Edward H. and Allan J. Baker, Displays of the Magellanic Oystercatcher (*Haematopus leucopodus*), 149–168
- Milvago chimachima*, 383
- Mimus gilvus*, 387
- polyglottos*, 399–402, 512
- mink, see *Mustela vison*
- minnow, fathead, see *Pimephales promelas*
- Mirafra javanica*, 131
- Mirounga*, 534
- Mockingbird, see *Mimus polyglottos*
- Black-capped, see *Donacobius atricapillus*
- Tropical, see *Mimus gilvus*
- Moho braccatus*, 263
- Molothrus aeneus*, 112
- ater*, 108, 185, 511
- bonariensis*, 387
- Molothrus* spp., 259
- molt, see plumage
- Momotus momota*, 229–244
- Moore, Michael C., Habitat structure in relation to population density and timing of breeding in Prairie Warblers, 177–187
- Morlan, Joseph, see McCaskie, Guy, Paul De Benedictis, Richard Erikson and ———
- Morris, Angela S., see Goertz, John W., ——— and Stephen M. Morris
- Morris, Stephen M., see Goertz, John W., Angela S. Morris and ———
- Morse, D. H., review by, 418–420
- Morus bassanus*, 359
- Motmot*, Blue-crowned, see *Momotus momota*
- Turquoise-browed, see *Eumomota superciliosa*

- mouse, deer, see *Peromyscus maniculatus*
 Murre, Common, see *Uria aalge*
Muscicapa hypoleuca, 501
 latirostra, 537
Muscivora forficata, 248
 tyrannus, 386
Mustela vison, 413
Mustela spp., 89, 195
Mycteria americana, 423
Myiarchus cinerascens, 531
 crinitus, 531
 ferox, 386
 tuberculifer, 386
 tyrannulus, 386
Myiodynastes maculatus, 386
Myiopsitta monachus, 33
Myiozetetes cayanensis, 386
 similis, 233, 386
Myrmeciza longipes, 386
Myzomela adolphinae, 517
 cruentata, 517
 rosenbergii, 518
Myzomela, Red, see *Myzomela cruentata*
 Mountain Red-headed, see *Myzomela adolphinae*
Nectarinia sericea, 516–519
Neopsittacus pullicauda, 516–519
 nest-site
 selection
 Bucephala clangula, 497–505
 Campephilus [Phloeocastes] gaquilensis, 506–508
 Metallura tyrianthina, 508–509
 Empidonax difficilis, 511
 see also breeding biology, general
 nest boxes
 Bucephala clangula, 497–505
 nesting
 density, see population density
 ecology, site selection, success, see breeding biology, general and behavior, breeding
 cavity
 Loxops coccineus, 261–263
 interspecific
 Spizella pallida and *Spizella pusilla*, 263–265
 nestlings
 Asio otus, 402–403
 Branta canadensis, 415
 Campephilus [Phloeocastes] gaquilensis, 506–508
 Dolichonyx oryzivorus, 330–340
 Spizella pallida, 458–465
 Nethersole-Thompson, Desmond and Maimie, Greenshanks, reviewed, 417–418
 Nice, Margaret M., Research is a passion with me, reviewed, 535–536
 niche relationships
 between *Eumomota superciliosa* and *Momotus momota*, 229–244
 Nighthawk, Lesser, see *Chordeiles acutipennis*
 Nacunda, see *Podager nacunda*
 Nightjar, Spot-tailed, see *Caprimulgus maculicaudus*
 Nosal, R. E., see E. M. Barrows, A. P. Acquavella, P. J. S. Weinstein and _____
 Notiochelidon cyanoleuca, 386
 Nudds, Thomas D., Canvasback tolerance of Redhead parasitism: an observation and an hypothesis, 414
 Numenius phaeopus, 126
 Numenius spp., 165
 Nuthatch, Brown-headed, see *Sitta pusilla*
 Velvet-fronted, see *Sitta frontalis*
 White-breasted, see *Sitta carolinensis*
 Nyctea scandiaca, 116
 Nyctibius grandis, 385
 griseus, 385
 Nycticorax nycticorax, 200–220, 383
 Nyctidromus albicollis, 385
 Oniki, Yoshika and Edwin O. Willis, A nest of a Ringed Gnatpiper (*Corythopsis torquata*), 126–127
 Opisthocomus hoazin, 384
 Orejuela, Jorge E., Niche relationships between Turquoise-browed and Blue-crowned motmots in the Yucatán Peninsula, Mexico, 229–244
 Oreopsittacus arfaki, 516–519
 Oreoscoptes montanus, 512–513
 Oreotrochilus estella, 509
 Oreotrochilus spp., 509
 Oriole, Altamira, see *Icterus gularis*
 Baltimore, see *Icterus galbula galbula*
 Bullock's, see *Icterus galbula bullockii*
 Northern, see *Icterus galbula*
 Spot-breasted, see *Icterus pectoralis*

- Streaked-backed, see *Icterus sclateri*
- Oropendula, Crested, see *Psarocolius decumanus*
- Ortalis gutta*, 383
- Oryzoborus angolensis*, 387
- crassirostris*, 387
- Osborn, Ronald G., see Beaver, Donald L.,
 — and Thomas W. Custer
- otter, see *Lutra canadensis*
- sea, see *Enhydra lutris*
- Otus asio*, 250–251, 419
- choliba*, 385
- Ovenbird, see *Seiurus aurocapillus*
- Owl, Barn, see *Tyto alba*
- Burrowing, see *Speotyto cunicularia*
- Great Gray, see *Strix nebulosa*
- Great Horned, see *Bubo virginianus*
- Long-eared, see *Asio otus*
- Saw-whet, see *Aegolius acadicus*
- Screech, see *Otus asio*
- Snowy, see *Nyctea scandiaca*
- Striped, see *Rhinoptynx clamator*
- Owre, Oscar T., review by, 137–138
- Oxyura dominica*, 383
- Oystercatcher, American, see *Haematopus palliatus*
- Black, see *Haematopus bachmani*
- Chatham Islands, see *Haematopus chathamensis*
- European, see *Haematopus ostralegus*
- Magellanic, see *Haematopus leucopodus*
- New World Blackish, see *Haematopus ater*
- Sooty, see *Haematopus fuliginosus*
- South African Black, see *Haematopus moquini*
- Variable, see *Haematopus unicolor*
- Pachyramphus polychopterus*, 386
- Page, R. E., see Lumsden, Harry G., —
 and M. Gauthier
- Palm-Swift, Fork-tailed, see *Reinarda squamata*
- Paradisaea decora*, 289–301
- raggiana*, 298
- Parakeet, Brown-throated, see *Aratinga pertinax*
- Monk, see *Myiopsitta monachus*
- Philippine Hanging, see *Loriculus philippensis*
- parasitism
- in ducks, 414
- by *Molothrus aeneus*, 112–113
- Pardirallus maculatus*, see *Rallus maculatus*
- Parker, Howard and Ingolf Hanssen, Detrimental effects of cecal defecation in winter roosting Willow Ptarmigan, 252–253
- Parke, Kenneth C., review by, 131–134
- Parrotlet, Spectacled, see *Forpus conspicillatus*
- Parrot, Mealy, see *Amazona farinosa*
- Orange-winged, see *Amazona amazonica*
- Yellow-headed, see *Amazona ochrocephala*
- Parus atricapillus*, 67, 116, 326, 436, 485
- bicolor*, 67, 249
- caerulescens*, 419
- carolinensis*, 249
- gambeli*, 419
- major*, 419
- rufescens*, 406
- Passer domesticus*, 33, 135, 394–398, 501, 536
- Passerculus sandwichensis*, 429
- Passerella iliaca*, 21, 30, 31
- Passerina cyanea*, 28
- Paynter, Raymond A., Biology and evolution of the avian genus *Atlapetes* (Emberizinae), reviewed, 135
- Pediocetes phasianellus*, 260–261
- Pelecanus erythrorhynchos*, 123
- occidentalis*, 122
- occidentalis carolinensis*, 423
- Pelican, Brown, see *Pelecanus occidentalis*
- Eastern Brown, see *Pelecanus occidentalis carolinensis*
- White, see *Pelecanus erythrorhynchos*
- Penguin, Adelle, see *Pygocelis adeliae*
- Chinstrap, see *Pygocelis antarctica*
- Emperor, see *Aptenodytes fosteri*
- Erect-crested, see *Eudyptes sclateri*
- Galapagos, see *Spheniscus mendiculus*
- Jackass, see *Spheniscus demersus*
- King, see *Aptenodytes patagonica*
- Rockhopper, see *Eudyptes crestatus*
- Royal, see *Eudyptes schlegeli*
- Perca flavescens*, 124–125
- perch, yellow, see *Perca flavescens*

- Perisoreus canadensis*, 35, 116, 530
Peromyscus leucopus, 119
 maniculatus, 510
 maniculatus bairdi, 119
Peromyscus spp., 119
 Peterson, Roger Tory, Penguins, reviewed,
 533–535
Phaeornis obscurus obscurus, 263
Phaethornis longuemareus, 385
 superciliosus, 385
Phaetusa simplex, 384
Phalacrocorax auritus, 127, 128
Phalaenoptilus nuttallii, 531
Phimosus infuscatus, 383
 Phoebe, Black, see *Sayornis nigricans*
 Eastern, see *Sayornis phoebe*
 Say's, see *Sayornis saya*
Phylloscopus bonelli, 436
 colybita, 134
 trochilus, 134
Phylloscopus spp., 532
Piaya cayana, 384
 minuta, 384
 Picidae, 170
Picoides albolarvatus, 171
 arcticus, 171
 borealis, 171, 369–375
 nuttallii, 171
 pubescens, 67, 171
 scalaris, 171
 tridactylus, 171
 villosus, 67, 171
 Piculet, Scaled, see *Picumnus squamulatus*
Picumnus squamulatus, 385
 Pigeon, Nutmeg Imperial, see *Ducula bicolor*
 Pale-vented, see *Columba cayennensis*
 Pink-bellied Imperial, see *Ducula poliocephala*
 Wood, see *Columbus palumbus*
 pike, northern, see *Esox lucius*
Pilherodias pileatus, 383
Pimephales promelas, 124–125
Pinguinus impennis, 137, 534
Pipilo fuscus, 405
 Pipit, Richard's, see *Anthus novaeseelandiae*
 Yellowish, see *Anthus lutescens*
Piranga olivacea, 424
 rubra, 514–519
Pitangus sulphuratus, 233, 386
 liCTOR, 386
Pituophis melanoleucus, 402
Pithecophaga jefferyi, 132
 Pitta, Black-headed, see *Pitta sordida*
Pitta sordida, 132
Platyspiza crassirostris, 245
Platyspiza, 245
Plectrophenax nivalis, 245
Plegadis falcinellus, 200–220
 Plover, Black-bellied, see *Pluvialis squatarola*
 Collared, see *Charadrius collaris*
 Magellanic, see *Pluvianellus socialis*
 Piping, see *Charadrius melodus*
Plumosus infuscatus, 383
Pluvialis squatarola, 246
Pluvianellus socialis, 153
Podager nacunda, 385
Podilymbus dominicus, 410
 podiceps, 409–412
Polyborus plancus, 383
Polytmus guainumbi, 385
 Poor-will, see *Phalaenoptilus nuttallii*
 population
 density
 Dendroica discolor, 177–187
Porphyryla flavirostris, 384
 martinica, 384
Porzana albicollis, 384
 carolina, 96
 flaviventer, 384
Potoo, Common, see *Nyctibius griseus*
 Great, see *Nyctibius grandis*
 Power, Harry W., Male escorting and protecting females at the nest cavity in Mountain Bluebirds, 504–511
 Prairie Chicken, see *Tympanuchus* spp.
 Pratt, Helen M., Directions and timing of Great Blue Heron foraging flights from a California colony: implications for social facilitation of food finding, 489–496
 predation
 by bull snake on Long-eared Owl nestlings, 402
 by *Circus cyaneus* on *Anas discors* and *Anas platyrhynchos*, 251–252
 by gulls on ducklings, 403
 by *Lampropeltis getulus* on *Agelaius*

- phoenicius and *Spiza americana*, 249–250
 by *Melanerpes carolinus* on *Setophaga ruticilla*, 249
 by *Salvelinus malma* on *Cinclus mexicanus*, 524
 on *Sialia currucoides*, 509–511
Procyon lotor, 213, 527
Progne subis, 249, 452–457
Psaltriparus minimus, 406
Psarocolius decumanus, 387
Psittirostra cantans cantans, 264
cantans ultima, 264
 Ptarmigan, Rock, see *Lagopus mutus*
 White-tailed, see *Lagopus leucurus*
 Willow, see *Lagopus lagopus*
Pteroglossus castanotis, 385
Pterophanes cyanopterus, 5
Ptiloprora guisei, 518
Puffinus diomedea diomedea, 265–266
 Puffleg, Glowing, see *Eriocnemis vestitus*
Pycnopygius cinereus, 516–519
 Pygmy-Tyrant, Pale-eyed, see *Atalotriccus pilaris*
Pygocelis adeliae, 435, 534
 antarctica, 534
Quelea quelea, 93
Quelea, Red-billed, see *Quelea quelea*
Quiscalus lugubris, 387
 quiscula, 65, 170, 258
 rabbit, cottontail, see *Sylvilagus floridanus*
 Rabor, Dioscoro, S., Philippine birds and mammals, reviewed, 131–134
 raccoon, see *Procyon lotor*
 racer, blue, see *Coluber constrictor*
 racers, see *Coluber*
 Raikow, Robert J., reviews by, 134–137, 269–271, 536–537, 539
 Rail, Black, see *Laterallus jamaicensis*
 King, see *Rallus elegans*
 Slaty-breasted, see *Rallus striatus*
 Spotted, see *Rallus maculatus* and *Paridirallus maculatus*
 Virginia, see *Rallus limicola*
 Yellow, see *Coturnicops noveboracensis*
Rallus elegans, 96
 limicola, 96
 maculata, 384, 393
 striatus, 132
Ramphocelus carbo, 387
 rape
 avoidance by *Anas* spp., 409
Rattus sp., see *Rattus* sp.
Rattus sp., 213
 Redpoll, Common, see *Carduelis flammea*
 Redstart, American, see *Setophaga ruticilla*
Regulus calendula, 406
 satrapa, 67, 406
Reinarda squamata, 385
 requests for assistance
 Eastern Bluebird study, 457
 recordings of raptor vocalizations, 140
 translations of research studies, 457
 with study of *Larus delawarensis*, 140
Rhabdornis, 131
Rhinoptynx clamator, 385
 Rich, Terrell, Nest placement in Sage Thrashers, Sage Sparrows and Brewer's Sparrows, 362–368
 ———, Territorial behavior of the Sage Sparrow: spatial and random aspects, 425–438
 ———, Bilateral wing display in the Sage Thrasher, 512–513
 Riley, Laura and William Riley, Guide to the national wildlife refuges, reviewed, 271
 Riley, William, see Riley, Laura and ———
 Ripley, S. Dillon, see Ali, Sálím
 ——— (ed.), A bundle of feathers, reviewed, 537
 Rising, J. D., review by, 530–531
 ——— and F. W. Schueler, Screech Owl eats fish and salamander in winter, 250–251
Rissa tridactyla, 221
 Roberts, Thomas A., Variation in promiscuity among Red-winged Blackbirds, 110–112
 Robin, American, see *Turdus migratorius*
 Russell, Stephen M., review by, 269
 Ryan, Mark R. and Patricia A. Heagy, sunbathing behavior of the Pied-billed Grebe, 409–412
 Ryder, Ronald A., see Griese, Herman J., ——— and Clait E. Braun
Rynchops nigra, 126
Sakesphorus canadensis, 385
salamander, tiger, see *Ambystoma tigrinum*
 two-lined, see *Eurycea bislineata*

- Salmo salar*, 143
 salmon, Atlantic, see *Salmo salar*
Saltator, Buff-throated, see *Saltator maximus*
 Grayish, see *Saltator coerulescens*
Saltator coerulescens, 387
 maximus, 245, 387
Salvelinus malma, 524
 pomarinus, 526
 Sanderling, see *Calidris alba*
Sandpiper, Buff-breasted, see *Tryngites subruficollis*
 Green, see *Tringa ochropus*
 Least, see *Calidris minutilla*
 Pectoral, see *Calidris melanotos*
 Semipalmated, see *Calidris pusilla*
 Solitary, see *Tringa solitaria*
 Spotted, see *Actitis macularia*
 Stilt, see *Micropalama himantopus*
 sandpipers, see *Calidris*
Sapsucker, Yellow-bellied, see *Sphyrapicus varius*
 Williamson's, see *Sphyrapicus thyroideus*
Sayornis nigricans, 108
 phoebe, 107
 saya, 108
Scaphidura oryzivora, 387
Scardafella squammata, 384
Scaup, Lesser, see *Aythya affinis*
 Schaefer, V. H., Geographic variation in the insulative qualities of nests of the Northern Oriole, 466-474
Schistochlamys melanopsis, 387
 Schreiber, Ralph W., Reproductive performance of the Eastern Brown Pelican, *Pelecanus occidentalis*, reviewed, 537
 Schueler, F. W., see Rising, J. D. and ———
 Scott, J. Michael, see Sincock, John L. and ———
 Screech-Owl, Tropical, see *Otus choliba*
 seal, leopard, see *Hydrurga leptonyx*
 elephant, see *Mirounga*
 Sealy, Spencer G., Donald A. Seton and K. Michael Collins, Observations of a White-winged Crossbill invasion of southeastern Manitoba, 114-116
 Seed-eater, Gray, see *Sporophila intermedia*
 Lined, see *Sporophila lineola*
 Ruddy-breasted, see *Sporophila minuta*
 Variable, see *Sporophila aurita*
 Seed-Finch, Large-billed, see *Oryzoborus crassirostris*
 Lesser, see *Oryzoborus angolensis*
Seiurus aurocapillus, 312-329
 motacilla, 139
 noveboracensis, 139
Selaphorus rufus, 466
Setophaga ruticilla, 423, 531
 sexing
 Uria aalge, 266-268
Shearwater, Cory's, see *Puffinus diomedea diomedea*
Shelduck, see *Tadorna tadorna*
 Shelton, Philip C., review by, 416-417
 Sherrill, Denise Moreau and Verna M. Case, Winter home ranges of four classes of Red-cockaded Woodpeckers in the Carolina Sandhills, 369-375
 Sexton, Donald A., see Sealy, Spencer G., ——— and K. Michael Collins
 Sherrod, Steve K., review by, 531-533
 shrew, short-tailed, see *Blarina brevicauda*
 shrikes, see *Lanius*
Sialia currocooides, 509-511
 sialis, 249, 501, 510, 531
 Sibley, Fred C., George F. Barrowclough and Charles G. Sibley, Notes on the birds of Honduras, 125-126
Sicalis flaveola, 387
 luteola, 388
 Sincock, John L. and J. Michael Scott, Cavity nesting of the Akepa on the island of Hawaii, 261-263
Sirystes, see *Sirystes sibilator*
Sirystes sibilator, 386
 Siskin, Pine, see *Spinus pinus*
Sitta carolinensis, 67
 frontalis, 132
 pusilla, 530
 skimmer, Black, see *Rynchops nigra*
 Sloan, Norman F., see Lingle, Gary R. and ———
 snake, black rat, see *Elaphe obsoleta*
 bull, see *Pituophis melanoleucus*
 rat, see *Elaphe* sp.
 speckled king, see *Lampropeltis getulus holbrooki*
 Snipe, Common, see *Gallinago gallinago*

- Snow, Barbara K., The nest and territoriality of a female Tyrian Metaltail, 508-509
- Somateria mollissima, 403
- Soothill, Eric and Peter Whitehead, Wild-fowl of the world, reviewed, 270-271
- Soper, Tony, see Sparkes, John and ———
- Sora, see Porzana carolina
- Sowls, Lyle K., Prairie Ducks, reviewed, 134
- Sparkes, John and Tony Soper, Owls: their natural and unnatural history, reviewed, 269
- Sparrow, Black-striped, see Arremonops conirostris
- Black-throated, see Amphispizza bilineata
- Brewer's, see Spizella breweri
- Chipping, see Spizella passerina
- Clay-colored, see Spizella pallida
- Field, see Spizella pusilla
- Florida Grasshopper, see Ammodramus savannarum floridanus
- Fox, see Passerella iliaca
- Grasshopper, see Ammodramus savannarum
- House, see Passer domesticus
- Lark, see Chondestes grammacus
- Lincoln's, see Melospiza lincolni
- Rufous-winged, see Aimophila carpalis
- Sage, see Amphispizza belli
- Savannah, see Passerculus sandwichensis
- Seaside, see Ammosphiza maritima
- Song, see Melospiza melodia
- Tree, see Spizella arborea
- White-crowned, see Zonotrichia leucophrys
- White-throated, see Zonotrichia albicollis
- Yellow-browed, see Myospiza aurifrons
- sparrows, New World, see Zonotrichia spp. and Melospiza spp.
- Speirs, Doris Huestis (ed.), Research is a passion with me: the autobiography of Margaret Morse Nice, reviewed, 535-536
- Speotyto cunicularia, 385
- Spheniscus demersus, 534
- mendiculus, 534
- Sphyrapicus varius, 519-523
- Sphyrapicus sp., 60
- Spinetail, Pale-breasted, see Synallaxis albescens
- Plain-crowned, see Synallaxis gujanensis
- Spinus pinus, 407
- Spiza americana, 249-250
- Spizella arborea, 436
- breweri, 264, 362-368
- pallida, 264-265, 452-457
- passerina, 265
- pusilla, 264-265, 367
- Spoonbill, Roseate, see Ajaia ajaia
- Sporophila aurita, 245
- intermedia, 387
- lineola, 387
- minuta, 387
- nigricollis, 387
- squirrel, red, see Tamiiasciurus hudsonicus
- Starfrontlet, Buff-winged, see Coeligena lutetiae
- Starling, see Sturnus vulgaris
- Stegmann, Boris C., Relationships of the superorder Alektoromorphae and Charadriomorphae (Aves): a comparative study of the avian hand, reviewed, 135-137
- Stelgidopteryx ruficollis, 121, 384
- Stercorarius longicaudus, 526
- parasiticus, 524-526
- pomarinus, 526
- Sterna hirundo, 126
- paradisaea, 221
- superciliaris, 384
- Stewart, R. B., see Weir, R. D., F. Cooke, M. H. Edwards and ———
- Stilt, Black-necked, see Himantopus mexicanus
- stickleback, brook, see Eucalia inconstans
- Stork, Wood, see Mycteria americana
- Streptoprocne zonaris, 385
- Strix nebulosa, 118, 484
- Sturnella magna, 387, 408
- Sturnus vulgaris, 33, 88, 120, 170, 172, 395, 536
- Sturnus, 137
- sucker, white, see Catostomus commersoni
- Sula bassana, 416
- capensis, 416
- serrator, 416
- sunbathing, Podilymbus podiceps, 409-412

- Sunbird, Black, see *Nectarinia sericea*
- Svedarsky, W. Daniel and Thomas J. Kalahar, Female Sharp-tailed Grouse copulates with Greater Prairie Chicken in Minnesota, 260–261
- Swallow, Barn, see *Hirundo rustica*
- Blue-and-white, see *Notiochelidon cyano-leuca*
- Rough-winged, see *Stelgidopteryx ruficollis*
- Swallow-Tanager, see *Tersina viridis*
- Swallow-Wing, see *Chelidoptera tenebrosa*
- Swampphen, White-breasted, see *Amaurornis phoenicurus*
- Swan, Black, see *Cygnus atratus*
- Black-necked, see *Cygnus melanocoryphus*
- Mute, see *Cygnus olor*
- Trumpeter, see *Cygnus buccinator*
- Swift, White-collared, see *Streptoprocnezonaris*
- Sylvia communis*, 532
- Sylvilagus floridanus*, 118
- Synallaxis albescens*, 385
- gujanensis*, 385
- Syrigma sibilatrix*, 383
- Tachybaptus ruficollis*, 410
- Tachyphonus rufus*, 387
- Tadorna tadorna*, 403
- Tamiasciurus hudsonicus*, 510
- Tangara cayana*, 387
- Tanager, Black-faced, see *Schistochlamys melanopsis*
- Blue-gray, see *Thraupis episcopus*
- Burnished, see *Tangara cayana*
- Magpie, see *Cissopsis leveriana*
- Palm, see *Thraupis palmatum*
- Scarlet, see *Piranga olivacea*
- Silver-beaked, see *Ramphocelus carbo*
- Summer, see *Piranga rubra*
- White-lined, see *Tachyphonus rufus*
- Tapera naevia*, 384
- taxonomy
- Metallura odomae*, 1–7
- Teal, Blue-winged, see *Anas discors*
- Green-winged, see *Anas crecca*
- Telespiza ultima*, see *Psittirostra cantans ultima*
- Tern, Arctic, see *Sterna paradisaea*
- Black, see *Chlidonias niger*
- Common, see *Sterna hirundo*
- Large-billed, see *Phaetusa simplex*
- Yellow-billed, see *Sterna supercilii*
- Tersina viridis*, 387
- Thamnophilus doliatus*, 386
- Thick-knee, Double-striped, see *Burhinus bistriatus*
- Thornbill, Rainbow-bearded, *Chalcostigma herrani*
- Thrasher, Sage, see *Oreoscoptes montanus*
- Thraupis episcopus*, 387
- palmarum*, 382
- Threlfall, William and Shane P. Mahoney, The use of measurements in sexing Common Murres from Newfoundland, 266–268
- Thrush, Bare-eyed, see *Turdus nudigenis*
- Black-billed, see *Turdus ignobilis*
- Gray-cheeked, see *Catharus minimus*
- Hawaiian, see *Phaenornis obscurus obscurus*
- Hermit, see *Catharus guttata*
- Nightingale, see *Catharus aurantiirostris*
- Wood, see *Hylocichla mustelina*
- Thryothorus rutilus*, 386
- Thryomanes bewickii*, 407, 429
- Thurber, Walter A., Notes on parasitism by Bronzed Cowbirds in El Salvador, 112–113
- , Cien Aves de El Salvador, reviewed, 269
- Tiaris canora*, 245
- olivacea*, 245
- Timaliidae, 131
- Tinamou, Cinereus, see *Crypturellus cinereus*
- Undulated, see *Crypturellus undulatus*
- Tit, Blue, see *Parus caeruleus*
- Great, see *Parus major*
- Titmouse, Tufted, see *Parus bicolor*
- Tityra cayana*, 386
- toad, American, see *Bufo americanus*
- Todd, Frank S., Waterfowl: ducks, geese and swans of the world, reviewed, 270–271
- Todirostrum chrysocrotaphum*, 386
- cinereum*, 386
- sylvia*, 386
- Tody-Flycatcher, Common, see *Todirostrum cinereum*

- Painted, see *Todirostrum chrysocrotaphum*
- Slate-headed, see *Todirostrum sylvia*
- Tolmomyias flaviventris*, 386
- sulphurescens*, 113
- Towhee, Brown, see *Pipilo fuscus*
- Triller, Pied, see *Lalage nigra*
- Tringa flavipes*, 126, 384
- melanoleuca*, 384
- nebularia*, 18, 417
- ochropus*, 18
- solitaria*, 384
- Troglodytes aedon*, 170, 172, 387, 471
- troglodytes*, 67
- Trogon, Philippine, see *Harpactes ardens*
- trout, Dolly Varden, see *Salvelinus malma*
- Tryngites subruficollis*, 384
- Turdus ignobilis*, 387
- migratorius*, 33, 65, 258, 394, 405
- nudigenis*, 387
- Turkey, see *Meleagris gallopavo*
- Rio Grande, see *Meleagris gallopavo intermedia*
- Turnstone, Ruddy, see *Arenaria interpres*
- Twite, see *Acanthis flavirostris*
- Tyler, Jack D., Birds of southwestern Oklahoma, reviewed, 135
- Tympanuchus cupido pinnatus*, 260–261
- Tyrannulet, Southern Beardless, see *Campostoma obsoletum*
- Tyrannus melancholicus*, 386
- tyrannus*, 386
- Tyrant, Cattle, see *Machetornis rixosus*
- Tyto alba*, 384
- Uria aalge*, 266–268
- Ursus americana*, 413
- arctos*, 413
- Van Dyke, Fred, see Blohm, Robert J., ——— and Bradley C. Livezey
- Vanellus chilensis*, 384
- vanellus*, 18, 246
- Velvetbreast, Mountain, see *Lafresnaya lafresnayi*
- Veniliornis passerinus*, 385
- Vermivora peregrina*, 514–519
- Vireo, Bell's, see *Vireo bellii*
- Black-whiskered, see *Vireo altiloquus*
- Blue Mountain, see *Vireo osburni*
- Jamaican White-eyed, see *Vireo modestus*
- Philadelphia, see *Vireo philadelphicus*
- Red-eyed, see *Vireo olivaceus*
- Solitary, see *Vireo solitarius*
- Warbling, see *Vireo gilvus*
- White-eyed, see *Vireo griseus*
- Yellow-green, see *Vireo olivaceus flavoviridis*
- Yellow-throated, see *Vireo flavifrons*
- Vireo altiloquus*, 40–41, 43–45, 50
- bellii*, 306
- flavifrons*, 22, 49
- gilvus*, 531
- griseus*, 49, 302–311
- modestus*, 40–41, 43–45, 49, 50
- olivaceus*, 49, 306, 387
- olivaceus flavoviridis*, 306
- osburni*, 40–45, 49–50
- philadelphicus*, 309
- solitarius*, 49, 511
- Vireo* spp., 436
- Vireolanius*, 49
- vocalization
- Amphispiza belli*, 429–438
- distress calls of passerines, 404–408
- Haematopus leucopodus*, 149–168
- Paradisaea decorum*, 292–293
- Passerella iliaca*, 21–32, 429
- Seiurus aurocapillus*, 312–329
- Thyromanes bewickii*, 429
- Vireo griseus*, 302–311
- Zonotrichia albicollis*, 74–87
- Volatinia jacarina*, 387
- vole, meadow, see *Microtus pennsylvanicus*
- tundra, see *Microtus oeconomus*
- Vulpes fulva*, 89
- vulpes*, 118
- Vulture, Black, see *Coragyps atratus*
- Lesser Yellow-headed, see *Cathartes burrovianus*
- turkey, see *Cathartes aura*
- Walberg, Glenn E. and James R. King, The thermoregulatory significance of the winter roost-sites selected by robins in eastern Washington, 33–39
- Wallace, G. J., My world of birds: memoirs of an ornithologist, reviewed, 424
- Walter, Hartmut, Eleonora's Falcon: adaptation to prey and habitat in a social raptor, reviewed, 531–533
- Warbler, Arrow-headed, see *Dendroica pharetra*

- Blackburnian, see *Dendroica fusca*
 Blackpoll, see *Dendroica striata*
 Black-throated Green, see *Dendroica virens*
 Bonelli's, see *Phylloscopus bonelli*
 Chestnut-sided, see *Dendroica pensylvanica*
 DeVis Tree, see *Acanthiza murina*
 Palm, see *Dendroica palmarum*
 Prairie, see *Dendroica discolor*
 Townsend's, see *Dendroica townsendi*
 Willow, see *Phylloscopus trochilus*
 Yellow, see *Dendroica petechia*
 Yellow-rumped, see *Dendroica coronata*
 warblers, Old World, see *Phylloscopus* spp.
 Warford, Colleen, see Williams, Joseph B., Dave Best and ———
 Wasserman, Frederick E., Territorial behavior in a pair of White-throated Sparrows, 74–87
 Waterthrush, Louisiana, see *Seiurus motacilla*
 Northern, see *Seiurus noveboracensis*
 Water-Tyrant, Pied, see *Fluvicola pica*
 Wattlebird, Cinnamon-breasted, see *Melidectes torquatus*
 Watt, Doris J., Red-bellied Woodpecker predation on nestling American Redstarts, 249
 Waxwing, Bohemian, see *Bombycilla garrulus*
 Cedar, see *Bombycilla cedrorum*
 weasels, see *Mustela* spp.
 Weeks, Harmon P., Jr., Unusual egg deposition in Mourning Doves, 258–260
 Weinstein, P. J. S., see Barrows, Edward M., A. P. Acquavella, ——— and R. E. Nosal
 Weir, R. D., F. Cooke, M. H. Edwards and R. B. Stewart, Fall migration of Saw-whet Owls at Prince Edward Point, Ontario, 475–488
 Wheeler, Thomas G., Experiments in feeding behavior of the Anna Hummingbird, 53–62
 Whimbrel, see *Numenius phaeopus*
 Whistling Duck, Black-bellied, see *Dendrocygna autumnalis*
 Fulvous, see *Dendrocygna bicolor*
 White-faced, see *Dendrocygna viduata*
 White-eye, Black-fronted, see *Zosterops atrifrons*
 Whitehead, Peter, see Soothill, Eric and ———
 Whitethroat, see *Sylvia communis*
 Wigeon, American, see *Anas americana*
 European, see *Anas penelope*
 Wilcox, LeRoy, Observations of the life history of Willets on Long Island, New York, 253–258
 Willet, see *Catoptrophorus semipalmatus*
 Williams, Joseph B., Intersexual niche partitioning in Downy Woodpeckers, 439–451
 ———, Foraging by Yellow-bellied Sapsuckers in central Illinois during spring migration, 519–523
 ———, Dave Best and Colleen Warford, Foraging ecology of ptarmigan at Meade River, Alaska, 341–351
 Williams, Morris D., First description of the nest, eggs and nestling of the Guayaquil Woodpecker, 506–508
 Willis, Edwin O., see Oniki, Yoshika and ———
 Wilmore, Sylvia Bruce, Swans of the world, reviewed, 269
 Witman, Gretchin M., see DeGraaf, Richard M. and ———
 Wittenberger, James F., Feeding of secondary nestlings by polygynous male Bobolinks in Oregon, 330–340
 Wolinski, Richard A., Rough-winged Swallow feeding on fly larvae, 121–122
 wolverine, see *Gulo gulo*
 Wood, Merrill, Birds of Pennsylvania: when and where to find them. 3rd ed., reviewed, 269
 Woodcreeper, Straight-billed, see *Xiphorhynchus picus*
 Woodpecker, Acorn, see *Melanerpes formicivorus*
 Arctic Three-toed, see *Picoides arcticus*
 Crimson-backed, see *Chrysocolaptes lucidus*
 Crimson-breasted, see *Campophilus melanoleucus*
 Downy, see *Dendrocopos pubescens* and *Picoides pubescens*
 Gila, see *Melanerpes uropygialis*

- Golden-fronted, see *Melanerpes aurifrons*
 Great Black, see *Dryocopus martius*
 Guayaquil, see *Campephilus* [*Phloe-
 oceastes*] *gayaquilensis*
 Hairy, see *Picoides villosus*
 Hispaniolan, see *Melanerpes striatus*
 Ladder-backed, see *Picoides scalaris*
 Lewis', see *Melanerpes lewis*
 Lineated, see *Dryocopus lineatus*
 Little, see *Veniliornis passerinus*
 Northern Three-toed, see *Picoides tri-
 dactylus*
 Nuttall's, see *Picoides nuttallii*
 Pileated, see *Dryocopus pileatus*
 Pygmy, see *Dendrocopos maculatus*
 Red-bellied, see *Melanerpes carolinus*
 Red-cockaded, see *Dendrocopos borealis*
 and *Picoides borealis*
 Red-headed, see *Melanerpes erythro-
 cephalus*
 Spot-breasted, see *Chrysoptilus punctig-
 ula*
 White-headed, see *Picoides albolarvatus*
 Yellow-tufted, see *Melanerpes cruentatus*
 Wood-Rail, Gray-necked, see *Aramides*
cajanea
 Wren, Bewick's, see *Thyromanes bewickii*
 Bicolored, see *Campylorhynchus griseus*
 House, see *Troglodytes aedon*
 Rufous-breasted, see *Thryothorus rutilus*
 Winter, see *Troglodytes troglodytes*
 Wrentit, see *Chamaea fasciata*
Xanthocephalus xanthocephalus, 339
Xiphorhynchus picus, 385
 Yellowlegs, Greater, see *Tringa melano-
 leuca*
 Lesser, see *Tringa flavipes*
 Yellowthroat, Masked, see *Geothlypis ae-
 quinoctialis*
Zenaida auriculata, 384
macroura, 68, 258-260
Zenaidura macroura, see *Zenaida macroura*
 Zerba, Eileen and Luis F. Baptista, Court-
 ship feeding in some emberizine
 finches, 245-246
Zonotrichia albicollis, 28, 65, 74
capensis, 246
leucophrys, 28, 37, 246
leucophrys oriantha, 245
Zonotrichia spp., 26, 31, 245
Zosterops atrifrons, 517