

INDEX TO VOLUME 76

New generic, specific, and subspecific names are printed in **boldface type**.

A

- Abraham, Richard L., Vocalizations of the Mallard (*Anas platyrhynchos*), 401–420
- Acanthis flammæa*, 298
- Accipiter cooperii*, 215, 219, 378, 379, 467
gentilis, 219, 467
striatus, 219, 222
- Actitis macularia*, 368
- Aechmophorus occidentalis*, 174, 305, 367
- Aegolius acadicus*, 334
- Aepyornis*, 148, 319, 323
- Aeronautes anodecolus*, 328
- Aethia cristatella*, 296, 424, 481, 482
pusilla, 296, 424, 426, 481, 482
pygmaea, 108, 297
- Agelaius phoeniceus*, 56, 59–61, 154, 321
- Aimophila*, 458
carpalis, 30–32, 192
quinquestriata, 30–32
quinquestriata septentrionalis, 30
- Ainley, David G., and T. James Lewis, The history of Farallon Island marine bird populations, 1854–1972, 432–446
- Aix sponsa*, 73
- Alauda arvensis*, 226
- Albatross, Black-footed, 367
 Laysan, 289
- Alcidae, 421
- Alle alle, 427, 428
- Ahlquist, Jon E., see Corbin, Kendall W.
- Amakihi, 62
- Amazilia rutila*, 461
tzacatl, 461
violiceps, 24, 31
- Amazona albifrons*, 24, 31
finschi, 24
- Ammodramus savannarum*, 397, 399
- Amphispiza belli*, 399, 400
bilineata, 189
- Anas acuta*, 72, 290, 410
americana, 73, 291
boscas, 154, 321
clypeata, 72, 291, 409
crecca, 59, 60, 73
crecca carolinensis, 290, 415
crecca crecca, 415
crecca nimia, 290
cyanoptera, 73
discors, 72, 291
falcata, 290
penelope, 291
platyrhynchos, 72, 290, 401, 475
platyrhynchos comboschas, 223
platyrhynchos platyrhynchos, 223
poecilorhyncha, 288, 290
poecilorhyncha zonorhyncha, 290
querquedula, 290
rubripes, 224
strepera, 72, 290
- Anatidae, 417
- Anatinae, 70
- Anderson, Bertin W., Michael G. Reeder, and Richard L. Timken, Notes on the feeding behavior of the Common Merganser (*Mergus merganser*), 472–476
- Anderson, William L., and Ronald F. Labisky, Selected physiological responses of pheasants to minerals in corn, 109–112
- Ani, Groove-billed, 24, 349, 461
 Smooth-billed, 349, 382
- Anianiau, 62
- Anous minutus*, 464
tenuirostris, 464
- Anser domesticus*, 154, 321
fabalis, 290
fabalis serrirostris, 290
- Anthony, Robert G., and Irven O. Buss, Relationship of gonadal recrudescence and testicular melanogenesis in California Quail, 452–457
- Anthus spinoletta*, 297
- Antthrush, Black-faced, 102
- Antvireo, Plain, 263, 264
- Aphelocoma*, 468–470
coerulescens, 275, 283, 284, 469
coerulescens woodhouseii, 275
ultramarina, 468
- Aphriza virgata*, 367
- Aplonis cantoroides*, 307–316
metallica, 307–316
metallica metallica, 308
metallica nitida, 308
metallica purpleiceps, 308
- Aquila chrysaetos*, 45, 174, 334, 356
- Ar, A., C. V. Paganelli, R. B. Reeves, D. G. Greene, and H. Rahn, The avian egg: Water vapor conductance, shell thickness, and functional pore area, 153–158
- Ar, A., see Paganelli, C. V.
- Ar, A., see Rahn, H.
- Ara militaris*, 23
- Aramides cajanea*, 169, 175
- Aratinga chloroptera*, 382
nana, 104–106
- Archilochus alexandri*, 189
colubris, 322
- Ardea herodias*, 367
- Arenaria interpres*, 293
melanocephala, 368
- Arremonops rufivirgatus*, 463
- Asio flammeus*, 53, 297
otus, 45, 59, 60, 378, 379
- Atlapetes, 458
- Auklet, Cassin's, 364, 368, 421–431, 433, 438, 440, 441, 444, 481–484
 Crested, 269, 424, 428, 481
 Least, 296, 424, 428, 481–484
 Parakeet, 296, 428, 481, 482
 Rhinoceros, 249, 424, 433, 438, 442–444, 481
 Whiskered, 108, 297
- Auriparus flaviceps*, 26, 31, 116, 189, 217
flaviceps fraterculus, 27
- Austin, George T., Nesting success of the Cactus Wren in relation to nest orientation, 216–217
- Aythya affinis*, 73
americana, 59, 60, 72, 291
collaris, 73
ferina, 291
fuligula, 291
marila, 291
valisneria, 73, 291
- Aythiinae, 70

B

- Bailey, Alfred M., Second nesting of Broad-tailed Hummingbirds, 350
- Baker, Myron Charles, Genetic structure of two populations of White-crowned Sparrows with different song dialects, 351-356
- Balda, Russell P., see Marshall, Judy
- Baldwin, Paul H., see Martin, Stephen G.
- Bananaquit, 106, 107
- Bartonek, James C., see Divoky, George J.
- Bartramia longicauda, 108, 399
- Beard, Jamaican, 106
- Rose-throated, 25
- Bellbird, Bearded, 266
- Best, Louis B., An unusual case of nesting persistence in a female Field Sparrow, 349
- Betts, Burr J., see Colwell, Robert K.
- Bird of Paradise, 313
- Count Raggi's, 313
- Blackbird, Brewer's, 115, 380
- Melodius, 102
- Red-winged, 56, 154, 313, 321
- Yellow-headed, 369
- Bluebird, Eastern, 166
- Mountain, 335
- Western, 369
- Boag, D. A., see Zwickel, Fred C.
- Bobolink, 115, 396, 456
- Bobwhite, 174, 452, 471-472
- Black-throated, 461
- Bombycilla cedrorum, 185
- Bonasa umbellus, 114
- Booby, Blue-faced, 348
- Masked, 476, 477
- Red-footed, 476-478
- Borchelt, Peter L., and L. Duncan, Dustbathing and feather lipid in Bobwhite (*Colinus virginianus*), 471-472
- Borrero H., José Ignacio, Notes on the structure of the upper eyelid of Potoos (*Nyctibius*), 210-211
- Botaurus, 211
- Brachyrampus brevirostris, 296, 423
- marmoratus, 296
- Brambling, 297
- Brant, Black, 290
- Branta canadensis, 290, 475
- canadensis leucopareia, 290
- nigricans, 290
- Brigham, J. H., see Zwickel, Fred C.
- Brown, Hugh C., and Burt L. Monroe, Jr., Bird records from Honduras, 348-349
- Brush, Alan H., see Corbin, Kendall W.
- Bryan, Stuart R., Jr., Confirmation of the nesting of the Gray Jay in New Mexico, 357-358
- Bubo virginianus, 45, 249, 322, 358, 368
- Bucephala albeola, 73, 292
- clangula, 73, 291, 475
- islandica, 292
- Bucher, E. H., see Murton, R. K.
- Bufflehead, 73, 292
- Bullfinch, 276
- Greater Antillean, 106
- Bunnell, Pille, see Colwell, Robert K.
- Bunting, Blue, 463
- Indigo, 41, 115, 369, 463
- Lark, 397, 399
- Lazuli, 335
- Painted, 30, 99
- Reed, 226
- Rustic, 298
- Snow, 298
- Varied, 30
- Burger, J., Determinants of colony and nest-site selection in the Silver Grebe (*Podiceps occipitales*) and Rolland's Grebe (*Rollandia rolland*), 301-306
- Bushtit, Common, 378
- Buss, Irven O., see Anthony, Robert G.
- Buteo albicaudatus, 22, 31
- albonotatus, 214-215
- hemilasius, 214
- jamaicensis, 45, 214-215, 225, 332, 367, 378, 379, 466
- lagopus, 45, 293
- lineatus, 169, 332
- nitidus, 22, 31
- platypterus, 331
- polyosoma, 85
- regalis, 45, 113, 334, 466
- swainsoni, 45, 215, 466
- Buteogallus anthracinus, 23, 31
- Buzzard, Upland, 214
- Byrd, G. Vernon, David L. Johnson, and Daniel D. Gibson, The birds of Adak Island, Alaska, 288-300

C

- Caccamise, Donald F., Competitive relationships of the Common and Lesser Nighthawks, 1-20
- Cairina moschata, 154, 310, 321
- Calamospiza melanocorys, 59, 61, 397, 399
- Calcarius lapponicus, 298
- mccowni, 399
- ornatus, 399
- Calder, William A., Jr., The thermal and radiant environment of a winter hummingbird nest, 268-273
- Calidris acuminata, 293
- alba, 294, 327
- alpina, 294
- bairdii, 293
- canutus, 294
- mauri, 293
- melanotos, 114, 293
- ptilocnemis, 294
- ruficollis, 293
- tenuirostris, 294
- Callipepla douglasii, 30, 32
- (*Lophortyx*) douglasii douglasii, 23
- gambelii, 23
- Calocitta, 468, 469
- formosa, 26, 31
- formosa colliciei, 27
- Calypte anna, 176-182, 268, 377
- costae, 368, 377, 379
- Campephilus guatemalensis, 25
- Camptostoma imberbe, 26, 31
- Campylorhynchus brunneicapillus, 185, 216
- brunneicapillus brunneicapillus, 27
- yucatanicus, 462
- Canachites canadensis, 212
- canadensis franklinii, 212
- Canvasback, 72-78, 291
- Capella gallinago, 114
- Caprimulgus ridgwayi, 24, 31
- Caracara, 23
- Chimango, 304
- Crested, 304
- Cardinal, 29, 33, 41, 42, 129, 185, 186, 189, 192, 194-196, 332, 350, 463

- Cardinalis cardinalis*, 31, 33, 129, 185, 332, 350, 463
 cardinalis affinis, 29
 sinuata, 29
Carduelis psaltria, 31
 (*Spinus*) *psaltria*, 29
 tristis, 29
 Carpenter, F. Lynn, see Colwell, Robert K.
Carpodacus, 313
 cassini, 335, 336
 mexicanus, 31, 115, 185, 365, 377
 mexicanus clementis, 369
 mexicanus ruberrimus, 29
 mexicanus sonoriensis, 29
Cassidix mexicanus, 185, 282, 462
 Catbird, 114
 Gray, 462
Catharacta skua, 154, 321
Cathartes aura, 22, 31, 334
Catharus aurantiirostris, 103
 frantzii, 4
 guttatus, 126, 335, 350
 guttatus guttatus, 369
 occidentalis, 4
 ustulatus, 328, 350, 369
Catherpes mexicanus, 31, 334
 mexicanus conspersus, 28
 mexicanus meliphonus, 27, 28
 mexicanus mexicanus, 28
Catoptrophorus semipalmatus, 327, 368
Centrocercus urophasianus, 218
Centurus aurifrons, 238–248, 461
 carolinus, 238–248
 radiolatus, 104–106, 238–248
 striatus, 238–248
 urophygialis, 186
Cephus columba, 249, 296, 368, 429, 433
 grylle mandtii, 339
Cerorhinca monocerata, 249, 424, 433, 481
Certhia brachydactyla, 33
 familiaris, 335
Chachalaca, Wagler, 23
Chaemaethypis poliocephala, 462
Chaetura pelagica, 328
 Chaffinch, 33, 42
Charadrius alexandrinus, 348
 montanus, 399
 wilsonia, 348
 Chat, Yellow-breasted, 28
Chen caerulescens, 113
 Chickadee, Black-capped, 198–202, 478–479
 Carolina, 479
 Chicken, Domestic, 150, 154, 198, 307, 321–322
 Chimango, 85
 Chingolo, 33, 43
Chlidonias niger, 114, 327
Chloroceryle americana, 24, 31
Chlorostilbon canivettii, 461
Chlorura chlorura, 185
Chondestes grammacus, 22, 377, 379, 396
Chordeiles acutipennis, 1–18, 24, 31
 acutipennis texensis, 368
 minor, 1–18, 399
 Chough, Alpine, 151
Circus cyaneus, 45, 222, 293
Cissilopha, 468
 beecheii, 27, 31
 yucatanica, 461
Clangula hyemalis, 292, 342
 Clapp, Roger B., Albinism in the Black Noddy (*Anous tenuirostris*), 464–465
 Clark, William H., see Giezentanner, Keith I.
 Clemans, Robert J., The bioenergetics of the Blue Jay in central Illinois, 358–360
Coccothraustes coccothraustes, 297
 coccothraustes japonicus, 298
Coccyzus americanus, 24, 27, 30, 32, 332
 americanus occidentalis, 204
 erythrophthalmus, 128
 minor, 22
Coereba flaveola, 104–106
 Coerebidae, 104, 447, 451
 Colaptes, 313
 auratus, 31, 59, 60, 126, 131, 239
 auratus cafer, 368
 auratus chrysoides, 185
 auratus tenebrosus, 25
 cafer, 377, 379
Colibri thalassinus cabanidis, 447, 451
Colinus nigrogularis, 461
 sulium, 174
 virginianus, 174, 452, 471
 Columba, 307
 fasciata, 368
 flavirostris, 23, 31
 leucocephala, 104–106, 349
 livia, 59, 60, 131, 249, 307, 349, 461
 palumbus, 80, 349
 Columbidae, 104
Columbina passerina, 23, 31, 461
 squamata, 23, 31
 talpacoti, 461
 Colwell, Robert K., Burr J. Betts, Pille Bunnell, F. Lynn Carpenter, and Peter Feinsinger, Competition for the nectar of *Centropogon valerii* by the hummingbird *Colibri thalassinus* and the flower-piercer *Diglossa plumbea*, and its evolutionary implications, 447–452
 Condor, California, 174
Coragyps atratus, 22, 31
 Corbin, Kendall W., Charles G. Sibley, Andrew Ferguson, Allan C. Wilson, Alan H. Brush, and Jon E. Ahlquist, Genetic polymorphism in New Guinea Starlings of the genus *Aplonis*, 307–318
 Cormorant, Brandt's, 250, 364, 367, 433, 435, 438, 444
 Double-crested, 154, 321, 346–348, 364, 367, 433, 435, 436, 440, 441–444
 Neotropic, 22
 Pelagic, 249, 289, 346–348, 364, 367, 433, 435, 436, 439, 444
 Red-faced, 289
 Corvidae, 104, 468, 470
 Corvinae, 470
Corvus, 469, 470
 brachyrhynchos, 59, 60, 275
 corax, 26, 31, 297, 368, 377, 379, 380
 cryptoleucus, 26
 imparatus, 26, 31
 jamaicensis, 104–106
 Cotinga, Mexican, 461
 Cotingidae, 104
Coturnix coturnix, 154, 307, 321
 Cowbird, Bronzed, 28, 185
 Brown-headed, 28, 154, 185, 189, 192, 321, 332, 349, 350
 Crane, Gray-breasted, 170
 Ocellated, 170
 Red-and-white, 170
 Ruddy, 170
 Russet-crowned, 170
 White-throated, 170
 Crane, Sandhill, 114, 293
 Creeper, Brown, 335

- Crossbill, Red, 334, 469
Crotophaga ani, 349, 382
 sulcirostris, 30, 32, 349, 461
 sulcirostris sulcirostris, 24
 Crow, Jamaican, 106
 Mexican, 26
 Cruz, Alexander, Feeding assemblages of Jamaican birds, 103–107
 Cuckoo, Black-billed, 128
 Common, 297
 Guira, 85
 Mangrove, 22
 Oriental, 297
 Yellow-billed, 24, 204–209, 332
Cuculus canorus canorus, 288, 297
 saturatus horsfieldi, 297
 Curlew, Far Eastern, 295
 Long-billed, 114, 348, 399
 Cyanocitta, 468
 cristata bromia, 358
 stelleri, 469
Cyanocompsa parellina, 463
Cyanocorax beecheii, 103
 chrysops, 468
 melanocyanea, 102
 sanblasiana, 102
 yncas, 461
 yucatanica, 102
Cyclorhynchus psittacula, 296, 428, 481, 482
Cynanthus latirostris, 24, 31

D

- Dendragapus obscurus*, 212
Dendrocincla fuliginosa, 264, 265
Dendrocolaptes certhia, 102
 Dendrocolaptidae, 263
Dendrocopus pubescens, 109, 239
 villosus, 109, 239
Dendrocygna autumnalis, 22, 31, 32
Dendroica coronata, 99, 462
 coronata auduboni, 185, 369
 coronata coronata, 369
 discolor, 99
 dominica, 462
 erithachorides, 462
 graciae, 336
 magnolia, 369, 462
 occidentalis, 369
 palmarum, 99, 462, 463
 pennsylvanica, 367, 462
 petechia, 154, 185, 321, 462
 townsendi, 369
Dickeissel, 99, 115, 386, 395, 396, 399
Diglossa baritula, 328, 450
 carbonaria, 329
 plumbea, 447, 451
 Dioch, Red-billed, 80
Diomedea immutabilis, 289
 nigripes, 367
Dipodomys, 312
 Dives dives, 102
 Divoky, George J., George E. Watson, and James C. Bartonek, Breeding of the Black Guillemot in northern Alaska, 339–343
Dolichonyx oryzivorus, 115, 396, 456
Doricha eliza, 461
 Dotterel, Rufous-chested, 326
 Dove, Caribbean, 461
 Collared, 80
 Eared, 80–87
 Ground, 23
 Inca, 185, 188, 192, 194
 Mourning, 23, 80, 87, 185, 189, 192, 194, 196, 349, 368, 380, 399
 Pink-headed, 80
 Rock, 131, 132, 135, 249, 307, 349, 461
 Scaled, 23
 Turtle, 80
 Vinaceous, 80
 White-fronted, 23
 White-winged, 23, 185, 189, 192, 194, 196, 382
 Zenaida, 461
 Dovekie, 427, 428
 Drepanididae, 62
Dromiceius novae-hollandiae, 150, 154, 321
Dryocopus lineatus, 25
 Duck, Black, 224
 Comb, 326
 Harlequin, 292, 357
 Muscovy, 154, 310, 321
 Pekin, 154, 321
 Ring-necked, 72–78
 Ruddy, 72–78
 Spotbill, 290
 Tufted, 291
 Wood, 73
Dumetella carolinensis, 114, 462
 Duncan, L., see Borchelt, Peter L.
 Dunlin, 294
Dysithamnus mentalis, 263, 264

E

- Eagle, Bald, 291, 293, 364, 365, 367, 376, 377, 380, 475
 Golden, 45, 174, 334, 356–357
 Whistling, 305
Ectopistes migratorius, 80
 Eider, Common, 291, 292, 342
 King, 292
 Steller's, 292
 Elaenia, Forest, 263
Emberiza rustica, 298
 schoeniclus, 226
 Emerald, Fork-tailed, 461
 Emlen, John T., An urban bird community in Tucson, Arizona: Derivation, structure, regulation, 184–197
Empidonax, 328, 368, 461
 difficilis difficilis, 22
 oberholseri, 334, 335
 traillii, 334
 wrightii, 334
 Emu, 150, 154, 321
Endomychura hypoleuca, 229
 hypoleuca scrippsi, 368
Epirallus natator, 172, 173
Eremophila alpestris, 59, 61, 380, 397, 399, 400
 alpestris insularis, 368
Estrilda troglodytes, 117
Eugenes fulgens spectabilis, 447
Eulampis jugularis, 176
Eumota superciliosa, 461
Euneornis campestris, 104–106
Euphagus cyanocephalus, 115, 380
Euphonia, Jamaican, 106, 107
 Yellow-throated, 462
Euthlypis lachrymosa, 97

F

- Falco columbarius*, 293
 mexicanus, 45

- peregrinus, 216, 249, 293, 364, 376, 379
 peregrinus anatum, 367
 rusticolus, 293
 sparverius, 23, 31, 45, 131, 364, 367, 379, 382, 461, 479
 Falcon, Collared Forest, 103
 Peregrine, 216, 249, 293, 364, 365, 367, 376, 377
 Prairie, 45
 Farner, Donald S., see Lewis, Robert Alan
 Feinsinger, Peter, see Colwell, Robert K.
 Ferguson, Andrew, see Corbin, Kendall W.
 Ficedula albicollis, 226
 hypoleuca, 226
 Finch, Cassin's, 335, 336
 Gray-crowned Rosy, 298
 House, 29, 115, 185, 189, 192, 194, 195, 313, 364, 365, 369, 377, 380
 Rosy, 115
 Fitch, Henry S., Observations on the food and nesting of the Broad-winged Hawk (*Buteo platypterus*) in northeastern Kansas, 331-333
 Flicker, Common, 25, 126, 131, 185, 192, 239, 368
 Red-shafted, 313, 377
 Yellow-shafted, 313
 Flower-piercer, Carbonated, 329
 Cinnamon-bellied, 450
 Slaty, 328, 447-451
 Flycatcher, Ash-throated, 22, 185, 189, 192, 368
 Beardless, 26
 Boat-billed, 461
 Brown-crested, 26, 461
 Collared, 226
 Dusky, 334-336
 Gray, 334
 Nutting's, 26
 Ochre-bellied, 263, 264
 Olivaceous, 26
 Pied, 226
 Social, 461
 Streaked, 125
 Sulphur-bellied, 26
 Traill's, 328
 Verdin's, 26
 Vermilion, 461
 Vermilion-crowned, 26
 Western, 22
 Wied's Crested, 185
 Willow, 334
 Yucatan, 461
 Formicariidae, 102, 263
 Formicarius analis, 102
 Forpus cyanopygius, 31
 cyanopygius pallidus, 23
 Fratercula arctica, 150, 154, 321, 425
 corniculata, 297
 Fregata magnificans, 440
 Fringilla coelebs, 33
 montifringilla, 297
 Fringillidae, 104, 126, 263
 Frost, Herbert H., see Smith, Dwight G.
 Fulica americana, 169, 170, 175, 379
 hesterna, 169, 170, 175
 Fulmar, Northern, 289
 Fulmaris glacialis, 289
- G**
- Gadwall, 72-78, 290
 Gaines, David, Review of the status of the Yellow-billed Cuckoo in California: Sacramento Valley populations, 204-209
 Gallinula brodkorbi, 174-175
 chloropus, 170, 174-175
 Gallinule, Common, 170
 Gallinulinae, 172
 Gallus gallus, 150, 154, 198, 307, 321
 Garganey, 290
 Garrulinae, 470
 Gavia adamsii, 288
 arctica, 289
 arctica pacifica, 367
 immer, 288
 stellata, 289
 Gelochelidon nilotica, 327, 337
 Geococcyx californianus, 24, 31, 195
 velox, 31, 32
 velox melanchima, 24
 Geothlypis trichas, 99, 102
 Geotrygon chrysis, 382
 montana, 104-106, 382
 Gessaman, James A., see Sawby, Scott W.
 Gibson, Daniel D., see Byrd, G. Vernon
 Giezantner, Keith I., and William H. Clark, The use of western harvester ant mounds as strutting locations by Sage Grouse, 218-219
 Glaucidium brasilianum, 31
 brasilianum cactorum, 24
 Gnatcatcher, Black-tailed, 189, 192
 Blue-gray, 462
 White-lored, 28, 462
 Godwit, Bar-tailed, 294
 Hudsonian, 327
 Goldeneye, Barrow's, 292
 Common, 73, 291, 475
 Goldfinch, American, 29, 115, 350
 Lawrence's, 377
 Lesser, 463
 Goldstein, Raymond B., Relation of metabolism to ambient temperature in the Verdin, 116-119
 Gomez, E., see Murton, R. K.
 Goose, Bean, 290
 Canada, 290, 475
 Embsden, 154, 321
 Emperor, 290
 Snow, 113
 Goshawk, 219
 Northern, 467
 Grackle, Boat-tailed, 29
 Common, 115, 154, 166, 321
 Great-tailed, 185, 282, 462
 Gracula religiosa, 33
 Grassquit, Blue-black, 30, 463
 Sooty, 263, 264
 Yellow-shouldered, 106, 107
 Grebe, Eared, 302, 305, 367
 Hoary-headed, 305
 Horned, 289
 Little, 305
 Pied-billed, 113, 174
 Red-necked, 289
 Rolland's, 301-306
 Silver, 301-306
 Western, 174, 305, 367
 Greene, D. G., see Ar, A.
 Greenwood, Raymond J., Reproductive aspects, growth, and development of Greenland Mallards, 223-225
 Grosbeak, Black-headed, 22, 185, 313, 350, 369
 Blue, 29
 Rose-breasted, 128, 312, 313, 463
 Ground-Dove, Common, 461
 Ruddy, 461

- Grouse, Blue, 212-213
 Franklin's Spruce, 212
 Ruffed, 114
 Sage, 218-219
 Spruce, 212-213
- Grus canadensis, 114, 293
- Guillemot, Black, 339-343
 Pigeon, 249, 296, 364, 368, 429, 433, 437, 438, 444
- Guira guira, 85
- Gull, Black-headed, 295
 Bonaparte's, 368
 Brown-hooded, 304
 Franklin's, 304, 327
 Glaucous, 295, 342
 Glaucous-winged, 295, 343-344
 Great Black-backed, 154, 321
 Heermann's, 368
 Herring, 149, 154, 295, 321, 343-344, 425, 475
 Laughing, 348
 Lesser Black-backed, 154, 321
 Mew, 154, 295, 321
 Ring-billed, 348, 475
 Sabine's, 342, 368
 Western, 229, 249, 364, 368, 422, 425, 426, 429, 433, 436, 437, 444
- Gymnogyps amplus, 174
 californianus, 174
- Gymnorhinus, 468-470
 cyanocephalus, 274, 468
- Gyrfalcon, 293
- H**
- Haematopus bachmani, 249, 293, 367, 433
 ostralegus, 154, 321
 palliatus, 348
 palliatus frazari, 367
- Hafner, John C., Seasonal predation on moles by the Red-tailed Hawk, 225
- Haliaeetus, 214
 leucocephalus, 291, 293, 364, 376, 379, 380, 475
 leucocephalus leucocephalus, 367
- Haliaster sphenurus, 305
- Haliastur, 214
- Hardy, John William, Jays as army ant followers, 102-103
- Harris, Margaret A., and Robert E. Lemon, Songs of Song Sparrows: Reaction of males to songs of different localities, 33-44
- Harris, Stanley W., Status, chronology, and ecology of nesting storm petrels in northwestern California, 249-261
- Hatler, David F., Foods at a Golden Eagle nest in central Alaska, 356-357
- Hawfinch, 297
- Hawk, Broad-winged, 331-333
 Common Black, 23
 Cooper's, 215-216, 219-222, 378, 467
 Ferruginous, 45, 113, 334, 466-468
 Gray, 22
 Marsh, 45, 222, 293
 Red-backed, 85
 Red-shouldered, 169, 332
 Red-tailed, 45, 214, 225, 332, 367, 378, 380, 466-468
 Rough-legged, 45, 293
 Sharp-shinned, 219, 221, 222
 Swainson's, 45, 215, 466-468
 White-tailed, 22
 Zone-tailed, 214
- Heliomaster constantii, 24, 31
- Heron, Great Blue, 367
- Heteroscelus incanus, 294, 327, 368
- Himantopus mexicanus, 114, 337
- Hirundo rustica, 368, 376, 379
- Histrionicus histrionicus, 292, 357
- Honeycreepers, Hawaiian, 62-68
- Hubbard, John P., Flight displays in two American species of Buteo, 214-215
- Hudson, Jack W., see Rising, James D.
- Hummingbird, Allen's, 364, 365, 368, 378
 Anna's, 176-182, 268-272, 377
 Black-chinned, 185, 189, 192, 194
 Broad-billed, 24
 Broad-tailed, 269, 272, 350
 Calliope, 176
 Cinnamon, 461
 Costa's, 364, 365, 368, 377, 378
 Fiery-throated, 450
 Rieffer's, 461
 Rivoli's, 447
 Rufous, 368
 Ruby-throated, 321
 Violet-crowned, 24
- Hunt, George L., and Molly W. Hunt, Trophic levels and turnover rates: The avifauna of Santa Barbara Island, California, 363-369
- Hunt, Molly W., see Hunt, George L.
- Hydrobates pelagicus, 255
- Hydroprogne caspia, 368
- I**
- Ibis, White-faced, 113
- Icteria virens, 30, 32
 virens auricollis, 28
 virens tropicalis, 28
- Icteridae, 104, 126, 395
- Icterus, 313
 auratus, 462
 (bullockii) galbula, 22, 201
 cucullatus, 29, 31, 192, 462
 galbula, 128, 201, 462
 galbula bullockii, 137-145, 369
 galbula galbula, 137-145
 gularis, 462
 leucopteryx, 104-106
 pustulatus, 30-32
 pustulatus microstictus, 29
 spurius, 29, 32, 462
 wagleri, 29, 31
- Iridoprocne bicolor, 154, 297, 321
- Ixoreus naevius, 350
- J**
- Jaeger, Parasitic, 295, 348
 Pomarine, 295, 327
- James, Frances C., and H. H. Shugart, Jr., The phenology of the nesting season of the American Robin (Turdus migratorius) in the United States, 159-168
- Jay, Beechey, 27
 Blue, 358-360
 Bushy-crested, 102
 Gray, 222, 357-358
 Green, 461
 Mexican, 468, 469
 Piñon, 274-286, 468-470
 San Blas, 102
 Scrub, 469
 Steller's, 91, 357, 469
 Yucatan, 102, 461

- Johnson, David L., see Byrd, G. Vernon
 Johnson, Ned K., Montane avifaunas of southern Nevada: Historical change in species composition, 334-337
 Johnson, Ned K., see Lynch, James F.
 Johnson, Stephen R., First specimen of a Robin (*Turdus migratorius*) and three important sight records from St. Lawrence Island, Bering Sea, Alaska, 108
 Jones, P. J., see Perrins, C. M.
 Junco, Dark-eyed, 185
 Oregon, 369
 Slate-colored, 313
 White-winged, 119
 Junco, 313
 hyemalis aikenii, 119
 hyemalis oregonus, 185, 369

K

- Kantrud, Harold A., see Stewart, Robert E.
 Kestrel, American, 23, 45, 131, 364, 365, 367, 382, 461, 479-481
 Kilham, Lawrence, Covering of stores by White-breasted and Red-breasted Nuthatches, 108-109
 King, James R., see Lewis, Robert Alan
 Kingbird, Cassin, 25
 Eastern, 328
 Loggerhead, 106
 Thick-billed, 25
 Tropical, 25, 461
 Western, 25, 185, 368
 Kingfisher, Belted, 368
 Little Green, 24
 Kinglet, Ruby-crowned, 335, 336
 Kiskadee, 461
 Kittiwake, Black-legged, 295
 Knot, Great, 294
 Red, 294
 Kocan, R. M., and L. N. Locke, *Salmonella typhimurium* from a Maryland Mourning Dove, 349

L

- Labisky, Ronald F., see Anderson, William L.
 Lagopus lagopus, 356
 mutus, 293, 356
 Lanius excubitor, 297
 ludovicianus, 45, 189, 380, 400
 Lark, Horned, 380, 397, 399, 400
 Island Horned, 364, 368
 Larus, 342
 argentatus, 149, 154, 295, 321, 343, 425, 475
 atricilla, 348
 canus, 154, 295, 321
 canus brachyrhynchus, 295
 canus kamtschatschensis, 295
 delawarensis, 348, 475
 fuscus, 154, 321
 glaucescens, 295, 343
 heermanni, 368
 hyperboreus, 295, 342
 maculipennis, 304
 marinus, 321
 occidentalis, 423, 433
 occidentalis wymani, 368
 philadelphia, 368
 pipixcan, 304, 327
 ridibundus, 295

- Laterallus albigularis*, 170
 exilis, 170, 171
 guti, 170, 171, 175
 jamaicensis, 170
 leucopyrrhus, 170
 ruber, 170
 viridis, 170
 Lemon, Robert E., see Harris, Margaret A.
 Lepidocolaptes affinis, 103
 leucogaster, 25, 31
 Leptotila jamaicensis, 461
 verreauxi, 23, 31
 Leucosticte spp., 115
 atrata, 115
 australis, 115
 tephrocotis, 115, 298
 Lewis, T. James, see Ainley, David G.
 Lewis, Robert Alan, Donald S. Farner, and James R. King, Photoperiodic responses of a subtropical population of the finch (*Zonotrichia capensis hypoleuca*), 233-237
 Ligon, J. David, Comments on the systematic relationships of the Piñon Jay (*Gymnorhinus cyanocephalus*), 468-470
 Ligon, J. David, and James L. White, Molt and its timing in the Piñon Jay, *Gymnorhinus cyanocephalus*, 274-287
 Lill, Alan, see Snow, D. W.
 Limnithlypis swainsonii, 98
 Limosa haemastica, 327
 lapponica, 294
 Liston, Steve, see McCaskie, Guy
 Lobipes lobatus, 295
 Longspur, Chestnut-collared, 399
 Lapland, 298
 McCown's, 399
 Loon, Arctic, 289, 367
 Common, 288
 Red-throated, 289
 Yellow-billed, 288
 Lophodytes cucullatus, 73, 292
 Lophortyx californicus, 452
 gambelii, 195, 452
 Lophura nychtherus, 154, 321
 Loxia curvirostra, 334, 469
 Loxigilla violacea, 104-106
 Loxipasser anoxanthus, 104-106
 Loxops parva, 62-68
 virens, 62-68
 Lunda cirrhata, 249, 297, 368, 433
 Lynch, James F., and Ned K. Johnson, Turnover and equilibria in insular avifaunas, with special reference to the California Channel Islands, 370-384

M

- Macaw, Military, 23
 MacMillen, Richard E., Bioenergetics of Hawaiian Honeycreepers: The Amakihi (*Loxops virens*) and the Anianiau (*L. parva*), 62-69
 Magpie-Jay, 26, 27
 Mallard, 72-78, 223-225, 290, 401-420, 475
 Manacus manacus, 262-266
 Manakin, Golden-headed, 262-265
 White-bearded, 262-265
 Manuwal, David A., The natural history of Cassin's Auklet (*Ptychoramphus aleuticus*), 421-431
 Manuwal, David A., The incubation patches of Cassin's Auklet, 481-484
 Marshall, Judy, and Russell P. Balda, The breeding ecology of the Painted Redstart, 89-101

- Marti, Carl D., Feeding ecology of four sympatric owls, 45-61
- Marti, Carl D., An unusual House Sparrow roost, 229
- Martin, Stephen C., Paul H. Baldwin, and Edward B. Reed, Recent records of birds from the Yampa Valley, northwestern Colorado, 113-116
- McCaskie, Guy, Steve Liston, and William A. Rapley, First nesting of Black Skimmer in California, 337-338
- Meadowlark, Eastern, 313, 386, 399
Western, 313, 364, 369, 380, 386, 397, 399, 400
- Megaceryle alcyon, 368
- Megarhynchus pitangua, 461
- Melanerpes erythrocephalus, 109, 114
formicivorus, 379, 380
herminieri, 244
portoricensis, 238-247
uropygialis, 31
uropygialis fuscescens, 25
- Melanitta deglandi, 291, 292, 367
fusca, 226
nigra, 292
perspicillata, 292, 367
- Melanotis caerulescens, 28, 31
- Meleagris gallopavo, 154, 321, 464
- Meliphagidae, 17
- Melospiza georgiana, 395
lincolnii, 369
melodia, 33, 165, 249, 298, 365, 379, 395
melodia graminea, 369, 377
- Melospiza kieneri, 457, 458
- Merganser, Brown-headed, 474
Common, 113, 292, 472-475
Hooded, 73, 292
Red-breasted, 292, 293, 474
- Mergus albellus, 292
merganser, 113, 292, 472
merganser americanus, 292
merganser merganser, 293
serrator, 292, 293, 474
- Merlin, 293
- Micrastur semitorquatus naso, 103
- Micropygia schomburgkii, 170
- Miller, P. C., see Smith, W. K.
- Milvago chimango, 85, 304
- Mimus gilvus, 462
polyglottos, 16, 28, 31, 129, 185, 369, 380
- Misra, R. K., and Lester L. Short, A biometric analysis of oriole hybridization, 137-146
- Mniotilta varia, 102, 369, 462
- Mockingbird, 16, 129, 185, 186, 189, 192, 194-196, 369, 380
Blue, 28
Northern, 28
Tropical, 462
- Molothrus aeneus, 28, 31
ater, 28, 154, 189, 321, 332, 349, 350
- Momotidae, 263
- Momotus mexicanus, 31
mexicanus vanrossemi, 25
momota, 263, 264
- Monroe, Burt L., Jr., see Brown, Hugh C.
- Motmot, Blue-crowned, 263-265
Rufous-crowned, 25
Turquoise-browed, 461
- Murre, Common, 250, 296, 322, 433, 437, 438, 444
Thick-billed, 296
- Murrelet, Ancient, 296, 427
Kittlitz's, 296, 423
Marbled, 296
Xantus', 229, 364, 368
- Murton, R. K., E. H. Bucher, M. Nores, E. Gomez, and J. Reartes, The ecology of the Eared Dove (*Zenaidura macroura*) in Argentina, 80-88
- Myadestes genibarbis, 104-106
townsendi, 335
- Myiarchus cinerascens, 22, 189, 368
nuttingi, 26, 31
tuberculifer, 31
tuberculifer olivascens, 26
tyrannulus, 26, 31, 185, 461
yucatanensis, 461
- Myioborus miniatus, 95
- Myiodynastes luteiventris, 26, 30, 32
maculatus, 125
- Myiopagis giamardii, 263
- Myiozetetes similis, 26, 31, 461
- Mynah, 42, 43
Indian Hill, 33
- Mysomela obscura, 17

N

- Nectarinia sericea, 17
- Nectariniidae, 17
- Nighthawk, Common, 1, 4, 399
Lesser, 1, 24, 368
- Nightjar, Buff-collared, 24
- Noddy, Black, 464-465
- Nores, M., see Murton, R. K.
- Nucifraga, 468-470
columbiana, 274, 275, 335, 468
- Numenius americanus, 114, 348, 399
madagascariensis, 295
phaeopus, 154, 295, 321, 368
- Nutcracker, Clark's, 274, 335, 468, 469
- Nuthatch, Corsican, 108
European, 108
Red-breasted, 108, 109, 117, 118, 378
White-breasted, 108, 109, 128
- Nyctea scandiaca, 297, 481
- Nyctibius, 210-211
aethereus, 210
grandis, 210
griseus, 210
- Nyctidromus albicollis, 461

O

- Oades, Robert D., Predation of Xantus' Murrelet by Western Gull, 229
- Oceanodroma castro, 253, 255, 258
furcata, 249, 289
homochroa, 250, 367, 432
leucorhoa, 289, 432
- Oenanthe oenanthe, 297
- Oilbird, 265
- Oldsquaw, 292, 342
- Oleandorff, Richard R., A courtship flight of the Swainson's Hawk, 215
- Oleandorff, Richard R., Some quantitative aspects of growth in three species of Buteos, 466-468
- Olor cygnus, 290
- Olson, Storrs L., The Pleistocene rails of North America, 169-175
- Olson, Storrs L., A melanistic White-tailed Tropicbird, 217-218
- Olszowka, A., see Paganelli, C. V.
- Oporornis formosus, 328
tolmiei, 185
- Orangequit, 106, 107
- Oreortyx pictus, 334
- Oreoscoptes montanus, 400

- Oriole, Baltimore, 137, 313
 Bullock's, 22, 137, 313
 Golden, 462
 Hooded, 29, 192, 462
 Jamaican, 105, 106
 Lichtenstein's, 462
 Northern, 128, 129, 137, 369, 462
 Orchard, 29, 462
 Scarlet-headed, 29
 Wagler's, 29
- Ortalis wagleri*, 31
 (*poliocephala*) *wagleri*, 23
- Osprey, 376, 377, 380
 Ostrich, 154, 319, 321
 Ovenbird, 98, 128, 462
- Owl, Barn, 45-57, 131-135, 364, 365, 368
 Barred, 222
 Burrowing, 45-57, 364, 365, 368, 377, 378, 380
 Ferruginous, 24
 Great Gray, 54
 Great Horned, 45-57, 249, 322, 358, 368
 Long-eared, 45-57, 378
 Saw-whet, 334
 Short-eared, 53, 297
 Snowy, 297, 481
- Oxyurinae, 70
- Oystercatcher, American, 348, 367
 Black, 249, 293, 364, 367, 433, 436, 444
 European, 154, 321
- P**
- Pachyptila belcheri*, 326
desolata, 326
- Pachyramphus major*, 461
- Paganelli, C. V., A. Olszowka, and A. Ar, The avian egg: Surface, area, volume, and density, 319-325
- Paganelli, C. V., see Ar, A.
- Pandion haliaetus*, 376, 379
- Panterpe insignis*, 450
- Paradisaea minor*, 313
raggiana, 313
- Parakeet, Hispaniolan, 382
 Olive-throated, 106
- Parker, Anita L., Black-headed Grosbeak at Atlanta, Georgia, 350
- Parkes, Kenneth C., Systematics of the White-throated Towhee (*Pipilo albicollis*), 457-459
- Parrot, Finsch, 24
 White-fronted, 24
- Parrotlet, Blue-rumped, 23
- Parula americana*, 31, 32, 369, 462
americana ("pitiayumi"), 28
- Parula*, Northern, 369, 462
- Parus atricapillus*, 198, 478-479
bicolor, 129, 332
carolinensis, 479
crystatus, 109
inornatus, 334
major, 33, 117, 225
- Passer domesticus*, 118, 131, 154, 185, 198, 229, 321, 358, 380, 456
- Passerculus sandwichensis*, 298, 369
- Passerella iliaca*, 369
- Passerina amoena*, 335
ciris, 99
ciris pallidior, 30
cyanea, 41, 115, 369, 463
 (*Guiraca*) *caerulea*, 29, 32
versicolor, 30, 32
versicolor dickeyae, 30
- Patten, Sam, Jr., and A. R. Weisbrod, Sympatry and interbreeding of Herring and Glaucous-winged Gulls in southeastern Alaska, 343-344
- Pauraque, 461
- Pavo cristatus*, 312, 344
- Peacock, 344-346
- Peafowl, 312
- Pelecanus occidentalis*, 364
occidentalis californicus, 367
- Pelican, Brown, 364, 367
- Perisoreus canadensis*, 222, 357
- Perrins, C. M., and P. J. Jones, The inheritance of clutch size in the Great Tit (*Parus major* L.), 225-229
- Petrel, Ashy Storm, 250, 367, 432, 435, 444
 Cook's, 289
 Fork-tailed Storm, 249-260, 289
 Leach's Storm, 249-260, 289, 433, 435, 444
- Petrochelidon pyrrhonota*, 31, 185, 328, 368
pyrrhonota melanogaster, 26
pyrrhonota minima, 26
- Phaethon lepturus*, 217-218
lepturus ascensionis, 218
lepturus catesbyi, 218
- Phainopepla*, 28, 185
- Phainopepla nitens*, 28, 31, 32, 185
- Phalacrocorax auritus*, 154, 321, 346, 433
auritus albociliatus, 367
olivaceus, 22
pelagicus, 249, 289, 346, 364, 433
pelagicus resplendens, 367
penicillatus, 250, 367, 433
urile, 289
- Phalarope, Northern, 295
 Red, 295
- Phalaropus fulicarius*, 295
- Phaps histrionica*, 80
- Phasianus colchicus*, 59, 60, 109, 154, 312, 321, 380
- Pheasant, Chinese Silver, 154, 321
 Ring-necked, 109, 154, 312, 321, 380
- Pheucticus*, 313
chrysopeplus, 30-32
chrysopeplus dilutus, 29
ludovicianus, 128, 312, 463
melanocephalus, 22, 185, 350, 369
- Philacte canagica*, 290
- Philohela minor*, 211
- Phoebe, Black, 25, 378
- Phyrrocorax graculus*, 151
- Pica pica*, 59, 60
- Picidae, 104, 106
- Picoides scalaris*, 31, 246
 (*Dendrocopos*) *scalaris sinaloensis*, 25
- Pigeon, Band-tailed, 368
 Flock, 80
 Passenger, 80
 Red-billed, 23
 White-crowned, 106, 349
 Wood, 80, 349
- Pintail, 72-78, 290, 410
- Pipilo, 313
aberti, 457, 458
albicollis, 457-459
albicollis albicollis, 459
albicollis marshalli, 459
albicollis parvirostris, 459
chlorurus, 457, 458
erythrophthalmus, 33, 312, 457, 458
fuscus, 31, 32, 195, 457, 458
fuscus intermedius, 30
rutilus, 457
rutilus parvirostris, 458

- Pipit, Water, 297
Pipra erythrocephala, 262-266
Pipraeidea melanota, 329
Pipromorpha oleaginea, 263, 264
Piranga ludoviciana, 369
 olivacea, 104-106
 rubra, 29, 30, 32, 463
Pitangus sulfuratus, 461
Platyparis aglaiae, 25, 31
 niger, 104-106
Platyrinchus mystaceus, 263
Plectrophenax nivalis, 298
Phegadis chihi, 113
 Plenge, Manuel A., Notes on some birds in west-central Perú, 326-330
 Plover, American Golden, 293, 348
 Black-bellied, 293
 Eurasian Golden, 154, 321
 Mountain, 399
 Snowy, 348
 Upland, 108
 Wilson's, 348
Pluvialis apricaria, 154, 321
 dominica, 293, 348
 squatarola, 293
 Pochard, Common, 291
Podiceps auritus, 289
 caspicus, 302
 grisegena, 289
 nigricollis californicus, 367
 novaehollandiae, 305
 occipitales, 301
 poliocephalus, 305
Podilymbus podiceps, 113, 174
Polioptila albiloris, 31, 462
 albiloris nigriceps, 28
 caerulea, 462
 melanura, 189
Polyborus plancus, 23, 31, 304
Polysticta stelleri, 292
Poocetes gramineus, 33, 369, 399, 400
Porzana auffenbergi, 173-175
 carolina, 173
 Potoo, Common, 210
 Great, 210
 Long-tailed, 210
 Prion, Dove, 326
 Slender-billed, 326
Procnias averano, 266
Psaltriparus minimus, 379
 minimus plumbeus, 378
Psilorhinus, 469
 Psittacidae, 104
 Ptarmigan, Rock, 293
 Willow, 356
Pterodroma cookii, 289
Ptychoramphus aleuticus, 364, 368, 421, 428, 433, 481, 482
 aleuticus aleuticus, 421
 aleuticus australe, 421
 Puffin, Common, 150, 154, 321, 425, 429
 Horned, 297
 Tufted, 249, 297, 368, 433, 437, 440-444
Puffinus griseus, 289
 tenuirostris, 289
Pyrocephalus rubinus, 461
Pyrrhula pyrrhula, 276
Pyrrhuloxia, 29, 33, 192, 195
Pyrrhuloxia sinuata, 33, 195
Pyrrhuphonia jamaica, 104-106
- Q**
- Quelea quelea*, 80
 Quail, California, 452-456
 Douglas, 23
 Gambel's, 23, 185, 192, 195, 452
 Japanese, 154, 307, 321
 Mountain, 334
 Quail-Dove, Key West, 382
 Ruddy, 106, 382
Quiscalus mexicanus, 30, 32
 mexicanus nelsoni, 29
 quiscula, 115, 154, 166, 321
- R**
- Rahn, H., and A. Ar, The avian egg: Incubation time and water loss, 147-152
 Rahn, H., see Ar, A.
 Rail, Black, 170
 King, 169
 Virginia, 114, 173
 Wood, 169
 Rallidae, 169
Rallus elegans, 169, 172
 limicola, 114, 173-175
 longirostris, 172, 173, 175
 obsoletus, 172
 prenticei, 174
Ramphocelus carbo, 263
 Rapley, William A., see McCaskie, Guy
 Raven, Common, 26, 297, 364, 365, 368, 377, 380
 Holarctic, 26
 White-necked, 26
 Reartes, J., see Murton, R. K.
 Redhead, 72-77, 291
 Redpoll, Common, 298
 Redshank, Spotted, 294
 Redstart, American, 89, 90, 115, 128, 328, 462
 Painted, 89-100
 Slate-throated, 95
 Reed, Edward B., see Martin, Stephen G.
 Reeder, Michael G., see Anderson, Bertin W.
 Reeves, R. B., see Ar, A.
Regulus calendula, 335
 Rhea, 150, 154, 321
Rhea americana, 150, 154, 321
Riparia riparia, 328, 380
 Rising, James D., and Jack W. Hudson, Seasonal variation in the metabolism and thyroid activity of the Black-capped Chickadee (*Parus atricapillus*), 198-203
Rissa tridactyla, 295
 Roadrunner, 24, 192, 195
 Lesser, 24
 Roberts, S. W., see Smith, W. K.
 Robertson, Ian, The food of nesting Double-crested and Pelagic Cormorants at Mandarte Island, British Columbia, with notes on feeding ecology, 346-348
 Robin, American, 108, 126, 154, 159-167, 185, 321, 350-351, 369
 Clay-colored, 462
 Rufous-backed, 28
 White-throated, 103
Rollandia rolland, 301
Rynchops niger, 337
- S**
- Salpinctes obsoletus*, 369, 400
 Saltator, Black-headed, 463
 Saltator atriceps, 463
 coerulescens, 463

- Sanderling, 294, 327
 Sandpiper, Baird's, 293
 Common, 294
 Pectoral, 114, 293
 Rock, 294
 Rufous-necked, 293
 Sharp-tailed, 293
 Spotted, 368
 Upland, 399
 Western, 293
 Wood, 294
 Sapsucker, Yellow-bellied, 238, 461
 Sarkidiornis melanotos, 326
 Sawby, Scott W., and James A. Gessaman, Telemetry of electrocardiograms from free-living birds: A method of electrode placement, 479-481
 Sayornis nigricans, 25, 31, 378, 379
 Scardafella inca, 188
 Scaup, Greater, 291
 Lesser, 72-78
 Scoter, Black, 292
 Surf, 292, 367
 Velvet, 226
 White-winged, 291, 292, 367
 Sealy, Spencer G., Ecological segregation of Swainson's and Hermit Thrushes on Langara Island, British Columbia, 350-351
 Seedeater, Black-and-white, 329
 Seiurus aurocapillus, 98, 128, 462
 noveboracensis, 115
 Selasphorus platycercus, 269, 350
 rufus, 368
 sasin, 368, 378, 379
 Setophaga picta, 89
 ruticilla, 89, 115, 128, 328, 462
 Shallenberger, R. J., G. C. Whittow, and R. M. Smith, Body temperature of the nesting Red-footed Booby (*Sula sula*), 476-478
 Sharma, Indra Kumar, Ecological studies of the plumes of the Peacock (*Pavo cristatus*), 344-346
 Shea, David S., Barred Owl records in western Montana, 222
 Sheartail, Mexican, 461
 Shearwater, Short-tailed, 289
 Sooty, 289
 Short, Lester L., Nesting of southern Sonoran birds during the summer rainy season, 21-32
 Short, Lester L., see Misra, R. K.
 Shoveler, 72-78, 409
 Northern, 291
 Shrike, Loggerhead, 45, 189, 192, 195, 380, 400
 Northern, 297
 Shugart, H. H., Jr., see James, Frances C.
 Sialia currucoides, 59, 61, 335
 mexicana, 369
 sialis, 166
 Sibley, Charles G., see Corbin, Kendall W.
 Siskin, Dark-backed, 29
 Pine, 350
 Sitta canadensis, 108, 117, 378, 379
 carolinensis, 108, 128
 europaea, 108
 whiteheadi, 108
 Skimmer, Black, 337-338
 Skua, Great, 154, 321
 Skylark, 226
 Smew, 292
 Smith, Dwight G., Charles R. Wilson, and Herbert H. Frost, History and ecology of a colony of Barn Owls in Utah, 131-136
 Smith, R. M., see Shallenberger, R. J.
 Smith, Susan M., Nest-site selection in Black-capped Chickadees, 478-479
 Smith, W. K., S. W. Roberts, and P. C. Miller, Calculating the nocturnal energy expenditure of an incubating Anna's Hummingbird, 176-183
 Snipe, Common, 114
 Snow, D. W., and Alan Lill, Longevity records for some neotropical land birds, 262-267
 Snyder, Helen A., and Noel F. R. Snyder, Increased mortality of Cooper's Hawks accustomed to man, 215-216
 Snyder, Helen A., see Snyder, Noel F. R.
 Snyder, Noel F. R., and Helen A. Snyder, Function of eye coloration in North American accipiters, 219-222
 Snyder, Noel F. R., see Snyder, Helen A.
 Solitaire, Rufous-throated, 106
 Townsend's, 335
 Somateria mollissima, 291, 292, 342
 spectabilis, 292
 Spadebill, White-throated, 263
 Sparrow, Andean, 312
 Bank, 380
 Barn, 376, 378
 Black-throated, 189, 192
 Brewer's, 185, 399, 400
 Chipping, 185, 350, 369, 378
 English, 456
 Field, 349
 Five-striped, 30
 Fox, 369
 Golden-crowned, 369
 Grasshopper, 397, 399
 House, 118, 131, 133, 154, 185, 188, 192, 194, 195, 198, 201, 229, 321, 358, 380
 Lark, 22, 377, 396
 Lincoln's, 369
 Olive, 463
 Rufous-winged, 30, 192
 Sage, 399, 400
 Santa Barbara Island Song, 364, 369
 Savannah, 298, 369
 Song, 33-43, 165, 249, 298, 365, 377, 380, 395
 Swamp, 395
 Vesper, 33, 369, 399, 400
 White-crowned, 33, 41-43, 185, 351-355, 369, 380
 White-throated, 41
 Speotyto cunicularia, 45, 59, 61, 364, 368, 377, 379
 Sphyrapicus varius, 238, 239, 461
 Spindalis zena, 104-106
 Spinus lawrencei, 377, 379
 pinus, 350
 psaltria, 463
 tristis, 115, 350
 Spiza americana, 99, 115, 386, 399
 Spizella breweri, 185, 399, 400
 passerina, 185, 350, 378, 379
 passerina arizonae, 369
 pusilla, 349
 Sporophila luctuosa, 329
 Starling, 131, 165, 185, 189, 192, 194, 195, 226, 233, 364, 365, 369
 Metallic, 307-316
 Singing, 307-316
 Starthroat, Constant, 24
 Steatornis caripensis, 265
 Stelgidopteryx ruficollis, 26, 31
 Stellula calliope, 176-182

- Stercorarius*, 342
 parasiticus, 295, 348
 pomarinus, 295, 327
Sterna albifrons, 348
 albifrons antillarum, 349
 aleutica, 296
 forsteri, 337
 hirundo, 348
 hirundo longipennis, 296
 paradisaea, 296, 342
Streptopelia, 307
 bitorquata, 80
 decaocto, 80
 decipiens, 80
 roseogrisea, 80
 turtur, 82
 vinacea, 80
 Stewart, Robert E., and Harold A. Kantrud, Breeding waterfowl populations in the Prairie Pothole Region of North Dakota, 70-79
 Stilt, Black-necked, 114, 337
Strix nebulosa, 54
 varia varia, 222
Struthio camelus, 154, 319, 321
Sturnella, 313
 magna, 386, 399
 neglecta, 59-61, 369, 380, 386, 399, 400
Sturnus vulgaris, 59-61, 131, 165, 189, 226, 233, 369
Sula dactylatra, 348
 sula, 476
 Surfbird, 367
 Swallow, Bank, 328
 Barn, 368
 Cliff, 26, 28, 185, 328, 368
 Rough-winged, 26
 Tree, 154, 297, 321
 Violet-green, 26
 Swan, Whooper, 290
 Swift, Andean, 328
 Chimney, 328
Synthliboramphus antiquus, 296, 427
- T**
- Tachycineta thalassina*, 26, 31
Tachyphonus rufus, 265
Tanager, Bay-headed, 263
 Blue, 463
 Blue-gray, 263
 Fawn-breasted, 329
 Palm, 263
 Rufous-chested, 329
 Scarlet, 106
 Silver-beaked, 263
 Stripe-headed, 105
 Summer, 29, 462
 Western, 369
 White-lined, 265
Tangara gyrola, 263
 lauta, 462
Tangavius aeneus, 185
 Tattler, Wandering, 294, 327, 368
 Teal, Blue-winged, 72-78, 291, 415
 Cinnamon, 73
 Falcated, 290
 Green-winged, 72-77, 290, 291
 Tern, Aleutian, 296
 Arctic, 296, 342
 Black, 114, 327
 Caspian, 368
 Common, 296, 348
 Forster's, 337
 Gull-billed, 327, 337
 Least, 348
 Royal, 368
 Sandwich, 349
Thalasseus maximus, 369
 sandvicensis, 349
Thlypopsis ornata, 329
 Thrasher, Bendire's, 185, 192, 195
 Brown, 126
 Curve-billed, 28, 185, 189, 192, 196
 Sage, 399
 Thraupidae, 104, 263
Thraupis episcopus, 263, 463
 palmarum, 263
 Thrush, Cocoa, 263, 264
 Hermit, 126, 335, 336, 350-351, 369
 Mistle, 33
 Orange-billed Nightingale, 103
 Swainson's, 328, 350-351, 369
 Varied, 350-351
 White-chinned, 106
 White-necked, 263, 264
Thryothorus albinucha, 462
 felix, 27, 31, 32
 rufalbus, 102
 sinaloa, 31, 32
 sinaloa cinereus, 27
Thyromanes bewickii, 368
Tiaris fuliginosa, 263, 264
 Timken, Richard L., see Anderson, Bertin W.
 Tit, Crested, 109
 Great, 33, 41, 43, 117, 118, 225-228
 Titmouse, Plain, 334
 Tufted, 129, 332
 Towhee, Abert's, 457
 Brown, 30, 192, 195, 457
 Canyon, 458
 Green-tailed, 185
 Red-eyed, 313
 Rufous-sided, 33, 312
 Spotted, 313
 White-throated, 457
Toxostoma bendirei, 195
 curvirostre, 31, 189
 curvirostre maculatum, 28
 rufum, 126
 Tramer, Elliot J., On latitudinal gradients in avian diversity, 123-130
 Tramer, Elliot J., Proportions of wintering North American birds in disturbed and undisturbed dry tropical habitats, 460-464
 Tree Creeper, Short-toed, 33
 Tree Duck, Black-bellied, 22
Tringa erythropus, 294
 flavipes, 108, 294
 glareola, 294
 hypoleucos, 294
 melanoleucus, 294
 Trochilidae, 447, 451
Troglodytes aedon, 92, 154, 321-322, 378, 379
 musculus, 461
 troglodytes, 99, 297
 Trogon, Coppery-tailed, 24
Trogon elegans, 31
 elegans canescens, 24
 Tropicbird, Red-tailed, 217-218
 White-tailed, 217-218
 Turdidae, 104, 263
Turdus albicollis, 103, 263-264
 aurantius, 104-106
 fumigatus, 263-264
 grayi, 462

- jamaicensis, 104–106
 merula, 464
 migratorius, 108, 126, 154, 159, 166, 185, 321, 350
 migratorius propinquus, 369
 rufopalliatu, 30–32
 rufopalliatu grisior, 28
 viscivorus, 33
 Turkey, 154, 321
 Turnstone, Black, 368
 Ruddy, 293
 Tyrannidae, 104, 106, 263
 Tyrannus caudifasciatus, 104–106
 crassirostris, 30, 32
 crassirostris pompalis, 25
 melancholicus, 25, 31, 461
 tyrannus, 328
 verticalis, 25, 185, 368
 vociferans, 25, 31
 Tyto alba, 45, 131, 368, 379
- U**
- Uria aalge, 250, 296, 322, 433
 lomvia, 296
- V**
- Verdin, 27, 116–118, 185, 189, 192, 195, 217
 Vermivora celata, 365, 462
 celata sordida, 369
 luciae, 99, 185
 virginiae, 335
 Violet-ear, Green, 447–451
 Vireo altiloquus, 104–106
 flavoviridis, 125
 gilvus, 128
 griseus, 462
 olivaceus, 30, 32, 115
 olivaceus hypoleucus, 28
 solitarius, 185
 solitarius cassinii, 336
 solitarius plumbeus, 335, 336
 Vireo, Black-whiskered, 105, 106
 Red-eyed, 28, 115
 Solitary, 185, 335, 336
 Warbling, 128
 White-eyed, 462
 Yellow-green, 125
 Vireonidae, 104
 Volatinia jacarina, 30, 31, 32, 463
 jacarina splendens, 30
 Vulture, Black, 22
 Turkey, 22, 334
- W**
- Wallace, Robert A., Ecological and social implications of sexual dimorphism in five melanerpine woodpeckers, 238–248
 Warbler, Black-and-white, 102, 369, 462
 Chestnut-sided, 369, 462
 Fan-tailed, 97
 Grace's, 336
 Hermit, 369
 Hooded, 99, 102
 Kentucky, 332
 Lucy's, 99, 185
 MacGillivray's, 185
 Magnolia, 369, 462
 Mangrove, 462
 Meadow, 462
 Myrtle, 369
 Orange-crowned, 364, 365, 369, 462
 Palm, 462
 Parula, 28
 Prairie, 99
 Swainson's, 98
 Townsend's, 369
 Virginia's, 335
 Wilson's, 185, 369
 Yellow, 154, 185, 321, 462
 Yellow-rumped, 99, 185, 369, 462
 Yellow-throated, 462
 Waterthrush, Northern, 115
 Watson, George E., see Divoky, George J.
 Waxbill, Black-rumped, 117, 118
 Waxwing, Cedar, 185
 Weisbrod, A. R., see Patten, Sam, Jr.
 Weske, John S., White-winged Junco in Texas, 119
 Wetmore, Alexander, The Egg of a Collared Forest-Falcon, 103
 Wheatear, 297
 Whimbrel, 154, 295, 321, 368
 White, James L., see Ligon, J. David
 Whittow, G. C., see Shallenberger, R. J.
 Wiens, John A., Climatic instability and the "ecological saturation" of bird communities in North American grasslands, 385–400
 Wigeon, American, 72–78, 291
 European, 291
 Willet, 327, 368
 Wilson, Allan C., see Corbin, Kendall W.
 Wilson, Charles R., see Smith, Dwight G.
 Wilsonia citrina, 99, 102
 pusilla, 185, 369
 Woodcock, American, 211
 Woodcreeper, Barred, 102
 Plain-brown, 263, 264
 Woodhewer, Ivory-billed, 25
 Spotted-crowned, 103
 White-striped, 25
 Woodpecker, Acorn, 380
 Cuban Green, 238
 Downy, 109, 239
 Gila, 25, 185, 186, 189, 192, 194–196
 Golden-fronted, 238, 461
 Guadeloupe, 244
 Hairly, 109, 239
 Hispaniolan, 238
 Jamaican, 104, 238, 246
 Ladder-backed, 25, 246
 Lineated, 25
 Pale-billed, 25
 Puerto Rican, 238, 246
 Red-bellied, 238, 246
 Red-headed, 109, 114
 Wren, Bewick's, 368
 Cactus, 27, 185–186, 189, 192, 196, 216
 Canyon, 27–28, 334
 Happy, 27
 House, 92, 154, 321–322, 378–379
 Rock, 364, 369, 380, 400
 Rufous-and-white, 102
 Sinaloa, 27
 Tropical House, 461
 White-browed, 462
 Winter, 99, 297
 Yucatan, 462
- X**
- Xanthocephalus xanthocephalus, 369
 Xema sabini, 342, 368
 Xiphorhynchus flavigaster, 25, 31
 Xyphidiopicus percussus, 238

Y

Yellowleg, Greater, 294
 Lesser, 108, 294
 Yellow-throat, 99, 102

Z

Zenaida asiatica, 23, 31, 189, 382
 auriculata, 80-82
 aurita, 461
 macroura, 23, 80, 85, 87, 189, 349, 368, 380, 399

Zonibyx modestus, 326
 Zonotrichia albicollis, 41
 atricapilla, 369
 capensis, 33, 233-236, 312
 capensis costaricensis, 233
 capensis hypoleuca, 233-236
 leucophrys, 33, 185, 351, 369, 380
 leucophrys nuttali, 351, 354
 Zwickel, Fred C., D. A. Boag, and J. H. Brigham,
 The autumn diet of Spruce Grouse: A regional
 comparison, 212-214