

INDEX TO VOLUME 73

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

A

- Acanthis flammea, 328, 420
 flammea holboellii, 330
 holboellii, 329
 hornemannii, 328, 331
 Accentor, Mountain, 330
 Accipiter cooperii, 150, 238, 292
 princeps, 482
 striatus, 292
 superciliosus, 108
 Accipitridae, 482
 Aegolius funereus richardsoni, 330
 Aethia cristatella, 325, 331
 pusilla, 325, 331
 pygmaea, 331
 Aethopyga, 485–486
 Agamia agami, 107
 Agelaius phoeniceus, 180–181, 356
 tricolor, 73, 149, 151–152
 Aix sponsa, 238, 399
 Akepa, 120
 Alauda arvensis, 254
 Albatross, Black-footed, 389, 396
 Galapagos, 487
 Laysan, 389–399
 Royal, 389
 Short-tailed, 330, 487
 Wandering, 389
 Waved, 487
 Yellow-nosed, 389
 Alektoris chukar, 466
 Amakihi, 120
 Amazilia fimbriata, 112
 Amazona farinosa, 48
 Amphispiza bilineata, 240–241, 365
 belli, 240, 365
 Anabernicula, 237
 gracilentata, 238
 minuscula, 238
 cf. oregonensis, 237–238
 robusta, 238
 Anairetes, 268–269, 274–277, 281, 283–285
 alpinus, 269, 275
 fernandezianus, 269
 flavirostris, 269, 275
 parulus, 268–275, 277, 279, 281–284
 reguloides, 269, 274
 Anas acuta, 238, 323, 331
 carolinensis, 238, 323, 330
 formosa, 330
 platyrhynchos, 238, 323, 329, 331, 335, 369, 466, 489
 Anatidae, 447
 Anderson, Bertin W., Man's influence on hybridization in two avian species in South Dakota, 342–347
 Ani, Groove-billed, 379
 Anous stolidus ridgwayi, 476, 478
 tenuirostris diamesus, 476, 478
 Anser albifrons, 331–332
 fabalis, 323, 330
 Antbird, Bicolored, 109–110
 Dot-winged, 373
 Dull-mantled, 109
 Gray, 373
 Scale-backed, 373
 Spotted, 109, 367–368, 373
 White-flanked, 373
 Wing-banded, 109
 Anthreptes, 485–486
 singalensis, 485
 Anthus cervinus, 328, 330, 334
 gustavi, 330
 hodgsoni, 328, 330–331
 hodgsoni yunnanensis, 335
 spinoletta, 74, 328
 spinoletta pacificus, 330
 Antpitta, Black-crowned, 110
 Antshrike, Amazonian, 373
 Cinereous, 373
 Russet, 109
 Spot-winged, 373
 White-shouldered, 373
 Antvireo, Spot-crowned, 109
 Antwren, Plain-throated, 373
 Pygmy, 109
 Streaked, 373
 White-flanked, 373
 Apapane, 120
 Aphelocoma coerulescens, 150
 coerulescens coerulescens, 149
 ultramarina, 113, 149, 294
 Apodidae, 155
 Aquila chrysaetos, 238, 248, 250, 463
 chrysaetos canadensis, 303
 Arachnothera, 485–486
 juliae, 485
 Aramides, 47
 cajanea, 48
 Archilochus alexandri, 112, 197
 colubris, 197, 309
 Arenaria interpres interpres, 330
 melanocephala, 330
 Arnold, Keith A., Three additional specimens of the Eared Poor-will from the state of Guerrero, México, 475
 Arremon taciturnus, 373
 Asio flammeus, 115, 236, 238, 330, 335, 384
 Athene noctua, 165, 175
 Attila spadiceus, 48
 Auklet, Crested, 325, 331
 Least, 325, 331
 Parakeet, 331
 Whiskered, 331
 Auriparus flaviceps, 241
 Austin, George T., On the occurrence of eastern wood warblers in western North America, 455–462
 Automolus infuscatus, 48
 Avocet, American, 180, 444–454
 Aythya marila nearctica, 330
 valisineria, 238

B

- Balda, Russell P., and Gary C. Bateman, Flocking and annual cycle of the Piñon Jay, *Gymnorhinus cyanocephalus*, 287–302
 Balgooyen, Thomas G., Pellet regurgitation by captive Sparrow Hawks (*Falco sparverius*), 382–385
 Banko, Winston, Preservation of Maui's endangered forest birds, 120–121
 Bateman, Gary C., see Balda, Russell P., and —
 Becard, Barred, 253

- Bédard, Jean, see Sealy, Spencer G., et al.
 Bernstein, Marvin H., Cutaneous water loss in small birds, 468-469
 Bernstein, Marvin H., see Lasiewski, Robert C., et al.
 Bertrand, Gerard A., see Scott, J. Michael, et al.
 Bittern, Least, 252, 379
 Pinnated, 253
 Blackbird, Brewer's, 180-181, 356
 Redwinged, 69, 173, 180-181, 356
 Rusty, 328, 330
 Tricolored, 73, 149, 151, 173
 Yellow-headed, 100, 101, 104-105, 173, 350, 356
 Bluebird, Western, 240
 Bluethroat, 330
 Boag, D. A., see Pendergast, B. A., and —
 Bobwhite, 108
 Boeker, Erwin L., and Thomas D. Ray, Golden Eagle population studies in the Southwest, 463-467
 Bombycilla cedrorum, 483
 garrulus, 334
 Bonasa umbellus, 381, 491
 Booby, Blue-faced, 477-480
 Red-footed, 385, 477-479
 White-bellied, 477-480
 Botaurus pinnatus, 253
 Brachyramphus, 17, 19
 brevirostre, 326, 331, 335
 marmoratum, 326, 331
 Brant, Black, 323, 331
 Branta canadensis minima, 235-236
 canadensis moffitti, 230, 234-235, 323, 330, 452
 nigricans, 323, 331
 Breagyps clarki, 239
 Brotogeris cyanoptera, 48, 52
 Bubo virginianus, 150, 238, 287, 384, 466
 Bubulcus ibis, 478
 Bucconidae, 155, 159
 Budgerigar, 365, 468, 470-471
 Bulbul, Yellow-vented, 474
 Bullfinch, 328, 330, 418, 474
 Bulweria bulwerii, 215
 fallax, 490
 macgillivrayi, 490
 Bunting, Indigo, 197
 Lazuli, 197, 240
 McKay's, 331, 335
 Snow, 327, 331, 335
 Burhinus sp., 237-239
 bistriatus, 238-239
 nanus, 238-239
 Buss, Irvén O., see Culbertson, James L., et al.
 Buteo albicaudatus, 475
 borealis, 490
 (Geranoaetus) melanoleucus, 249
 Butler, John, see Scott, J. Michael, et al.
 Butorides virescens, 379
- C**
- Cacicus cela, 49, 51-52, 373
 haemorrhous, 373
 Cacique, Red-rumped, 373
 Yellow-rumped, 373
 Cadwell, Larry L., see Culbertson, James L., et al.
 Calcarius lapponicus, 144
 lapponicus alascensis, 330
 Calder, William, Temperature relationships and nesting of the Calliope Hummingbird, 314-322
 Calidris alpina, 93, 95, 98
 bairdii, 95, 98
 melanotos, 95, 98
 pusilla, 95, 98
 tenuirostris, 334
 Callipepla squamata, 430-431, 435
 Calypte anna, 112, 309, 314, 317, 319
 Campephilus melanoleucos, 48
 rubricollis, 48
 Campptostoma imberbe, 284
 obsoletum, 274, 284
 Campylorhynchus brunneicapillum, 241
 Canachites canadensis, 380, 437
 Canary, 374
 Capercaillie, 441
 Capito niger, 48, 52
 Caprimulgidae, 155
 Caracara prelutosa, 237-239
 Cardinal, 369, 416-422, 425, 428
 Carduelis cannabina, 420
 carduelis, 420
 chloris, 418
 Carpodacus amplus, 376
 cassini, 111
 erythrina, 333
 mcgregori, 375-376
 mexicanus, 111, 241, 376, 378, 383
 Catbird, 197
 Catharacta skua, 87
 Cathartes aura, 218
 Catherpes mexicanus, 241
 Celeus sp., 48
 loricatus, 108
 Centrocerus urophasianus, 381, 491
 Cepphus, 19
 columba, 331
 grylle, 326, 330, 335
 grylle mandtii, 330
 Cercomacra cinerascens, 48, 373
 Cerorhinca, 19
 Chadek, Christine, see Lyon, David L., and —
 Chaetura vauxi, 380
 Chaffinch, 307, 420, 422
 Chaloparia phoenicotis, 485
 Chamaeidae, 155
 Charadrii, 452
 Charadriidae, 478
 Charadriiformes, 478, 489
 Charadrius hiaticula, 324, 329-330, 332, 335
 hiaticula tundrae, 335
 mongolus, 330
 semipalmatus, 324, 330, 332, 335
 wilsonia cinnamominus, 474
 Chat, Yellow-breasted, 461
 Chauna torquata, 225
 Chelidoptera tenebrosa, 48
 Chen hyperborea, 330
 Chickadee, Mountain, 118-120, 380
 Chionis alba, 87
 Chloris sinica, 333
 Chlorothraupis carmioli, 107, 110
 Chordeiles acutipennis, 241
 Ciccaba nigrolineata, 253
 Ciconia, 229
 abdimii, 228
 ciconia, 224, 227-228
 ciconia boyciana, 228
 episcopus, 228
 galeata, 228
 maltha, 228
 nigra, 228
 Circus cyaneus, 384
 Cissopis leveriana, 49

- Clangula hyemalis*, 331
 Clapp, Roger B., A specimen of Jouanin's Petrel from Lisianski Island, northwestern Hawaiian Islands, 490
 Clapp, Roger B., and Lawrence N. Huber, Imperfect albinism in a Red-tailed Tropicbird, 123
Cnipodectes subbrunneus, 49
Coccyzus americanus, 197, 379
 americanus americanus, 478
 erythrophthalmus, 197
 Cock-of-the-rock, 28
Colaptes auratus, 250
 auratus auratus, 342-345
 auratus cafer, 342, 345-346
Colibri delphinae, 108
Colinus virginianus, 108
Colopteryx galeatus, 373
Colorhamphus, 281, 283, 285
 parvirostris, 281
Columba livia, 181, 326, 331, 335, 466, 468, 470-471
 plumbea, 48
 vitiensis halmaheira, 482
 Columbidae, 482
Columbigallina talpacoti, 133
Conopias parva, 110
Contopus, 259, 272
 ochraceus, 253
 virens, 197
 Coot, American, 478-479
Coragyps, 237
 occidentalis, 238-239
 Cormorant, Double-crested, 238
 Little Pied, 481
 Pelagic, 331
 Red-faced, 331
 Corvidae, 155
Corvus brachyrhynchos, 116, 379
 brachyrhynchos brachyrhynchos, 116-118
 brachyrhynchos hesperis, 116-118
 corax, 238, 328
 corax principalis, 330
 Cotingidae, 155, 280
 Coulombe, Harry N., Behavior and population ecology of the Burrowing Owl, *Speotyto cunicularia*, in the Imperial Valley of California, 162-176
 Coulombe, Harry N., see Smyth, Michael, and —
 Cowbird, Brown-headed, 113
 Crane, Sandhill, 330
 Creeper, Brown, 480
 Maui, 120
 Crossbill, Red, 151-152, 329-330
 White-winged, 329-330
Crotophaga sulcirostris, 379
 Crow, Common, 116-118, 328, 379
Crypturellus, 47, 49
 cinereus, 48
 Cuckoo, Black-billed, 197
 Oriental, 330
 Yellow-billed, 197, 379
Cuculus saturatus, 330
 Cuculidae, 155
 Culbertson, James L., Larry L. Cadwell, and Irven O. Buss, Nesting and movements of Canada Geese on the Snake River in Washington, 230-236
 Curlew, Bristle-thighed, 325, 330
Cyanocitta stelleri, 152, 291
Cyanocorax dickeyi, 149, 294
Cyclorhynchus psittacula, 331
 Cyclarhidae, 155
- D**
- Dacnis cayana*, 49, 52
Daption capensis, 214-216
 Davis, John, Breeding and molt schedules of the Rufous-collared Sparrow in coastal Perú, 127-146
Deconychura longicauda, 107, 109
 De Crazio, J. W., see Royal, W. C., Jr., et al.
Dendragapus obscurus, 491
Dendrexetastes rufigula, 48
Dendrocincla fuliginosa, 47-48, 109, 373
 homochroa, 109
 merula, 47-48
Dendrocolaptes certhia, 48, 373
Dendrocopos pubescens, 113
 scalaris, 241
Dendroica caerulescens, 197, 455
 castanea, 197, 455
 cerulea, 197, 455
 discolor, 455
 dominica, 197, 455
 fusca, 197, 455
 magnolia, 197, 455
 nigrescens, 197
 palmarum, 455
 pennsylvanica, 197, 455
 petechia, 197, 240, 250, 379
 pinus, 455
 striata, 197, 455
 striata lurida, 457
 tigrina, 455
 virens, 197, 350, 455
 Diamond, Jared M., Bird records from West New Britain, 481-483
 Dicaeidae, 486
Dichrozona, 47
 cincta, 48
 Dickcissel, 65, 197
 Dickerman, Robert W., Further notes on Costa Rican birds, 252-253
Diglossa baritula, 246-248
Diomedea albatrus, 330, 332, 487-488
 bulleri, 215, 488
 cauta, 488
 chionopectera, 214
 chlororhynchos, 214, 389, 488
 chrysostoma, 215, 487-488
 culminata, 487
 epomophora, 214-215, 389, 488
 epomophora sanfordi, 216
 exulans, 214-215, 218, 389, 488
 immutabilis, 215-216, 389, 488
 irrorata, 487
 leptorhyncha, 487-488
 melanophrys, 215, 488
 nigripes, 215-216, 389, 488
 Diomedidae, 214
Dissoura, 229
 episcopopus, 277-288
 Divoky, George J., see Watson, George E., and —
 Dotterel, 324, 330
 Dove, Mourning, 181, 238, 241, 374-375, 466
 Rock, 326, 331
 White-winged, 241
 Dovekie, 325-326, 331-332
 Dowitcher, Long-billed, 325, 330
Dryocopus lineatus, 108
 Duck, Canvasback, 238
 Harlequin, 331
 Mallard, 238, 466, 489

- Pintail, 238
 Wood, 238, 399
Dumetella carolinensis, 197
 Dunlin, 330
Dysithamnus puncticeps, 109
- E**
- Eagle, Bald, 368, 397, 490
 Golden, 238, 330, 463-467
Ectopistes migratorius, 237-238
 Ehrhardt, Jean P., Census of the birds of Clipperton Island, 1968, 476-480
 Eider, Common, 331
 King, 331
 Spectacled, 331
 Steller's, 331
Elaenia, Lesser, 253
Elaenia, 265
 chiriquensis, 253
 spectabilis, 49
 Ely, Charles A., Pelagic observations of the Japanese White-eye in the central Pacific, 122-123
Emberiza aureola, 333
 leucocephalos, 333
 pallasi, 333
 pusilla, 333
 rustica, 333
 variabilis, 333
Empidonax, 197
 difficilis, 243
 euleri, 49
 hammondi, 245
 minimus, 245
Endomychura craveri, 254
 hypoleuca, 254
 Eng, Robert L., Two hybrid Sage Grouse \times Sharp-tailed Grouse from central Montana, 491-493
Ephippiorhynchus senegalensis, 223-224, 227-228
Eremophila alpestris, 326, 329, 331
 alpestris arctica, 326, 335
Eremopterix verticalis, 365
Ereunetes mauri, 330
 pusillus, 330
Erithacus rubecula, 70
Erolia acuminata, 330
 alpina pacifica, 330
 bairdii, 330
 melanotos, 330
 ptilocnemis, 331
Erythrura trichora sigillifera, 483
 Estrildidae, 483
Eucometis penicillata, 373
Eudromias morinellus, 324, 330
Eudytes, 214
Eugenes fulgens, 247
Euphagus carolinus, 328, 330
 cynocephalus, 180-181, 356
Euphonia, 49
 chrysopasta, 49, 52
 minuta, 107, 110
Euphonia, White-vented, 110
Eupoda montana, 238
Eurypyga helias, 108
Euscarthminae, 259, 282, 284-285
Euxenura, 229
 galeata, 220, 228
Excalfactoria chinensis, 468-471
- F**
- Falco mexicanus*, 238, 490
 peregrinus, 324, 331, 368
 rusticolus, 331
 sparverius, 140, 238
 swarthi, 237-238
 Falcon, Peregrine, 324, 331, 368
 Prairie, 238, 490
 Swarth, 238
 Fay, Francis H., see Sealy, Spencer G., et al.
Ficedula hypoleuca, 399
 Finch, Cassin's, 111
 House, 111, 241, 378, 383
 McGregor House, 375-376
 Zebra, 121-122, 365, 468-471
 Finch-lark, Grey-backed, 365
 Finlay, J. C., Post-breeding nest cavity defense in Purple Martins, 381-382
 Fisher, Harvey I., Experiments on homing in Laysan Albatrosses, *Diomedea immutabilis*, 389-400
 Flower-piercer, Cinnamon-bellied, 246
 Slaty, 246
 Fluvicolinae, 259
 Flycatcher, Ash-throated, 241
 Great Crested, 197
 Hammond's, 245
 Least, 245
 Olivaceous, 250
 Olive-sided, 197
 Pied, 399
 Streaked, 250
 Sulphur-bellied, 250-252
 Western, 243-244
 White-ringed, 110
 Wied's Crested, 252
 Formicariidae, 155, 159, 366
 Formicarius, 109
 Forsyth, Bill J., and Douglas James, Springtime movements of transient nocturnally migrating landbirds in the Gulf Coastal Bend region of Texas, 193-207
 Fratercula, 19
 corniculata, 331
 Fregata minor, 385
 minor ridgwayi, 478
 Frigatebird, 385-386
 Great, 478-479
 Frigateidae, 478
Fregetta tropica, 214-215
Fringilla coelebs, 307, 420
 montifringilla, 333
 Fringillidae, 155, 472
Fulica americana, 478
 caribea, 478
 Fulmar, 84, 331
Fulmarus glacialis, 215-216
 glacialis, 84, 215-216, 331
 Furnariidae, 155
- G**
- Glabula cyanescens*, 48
 Galbulidae, 155
 Galliformes, 237
 Gammell, A., see Royall, W. C., Jr., et al.
 Gannet, 84
Garrodia nereis, 215
Garrulus glandarius, 289
 lanceolatus, 289
Gavia adamsii, 330
 arctica pacifica, 330

- immer, 330
 stellata, 330
Geococcyx californianus, 241, 470-471
 conkingi, 238-239
Geothlypis trichas, 379, 461
Geotrygon lawrencii, 108
 veraguensis, 108
 Gibson, Flash, The breeding biology of the American Avocet (*Recurvirostra americana*) in central Oregon, 444-454
 Gill, Frank B., Tongue structure of the sunbird *Hypogramma hypogrammica*, 485-486
Glyphorhynchus spirurus, 48, 109, 373
 Gnatcatcher, Blue-gray, 197
 Gnatwren, Long-billed, 373
 Godwit, Bar-tailed, 330
 Black-tailed, 330
 Goldfinch, 420
 American, 329-330
 Goose, Bean, 323, 330
 Canada, 230-232, 323, 330, 452
 Emperor, 323, 331
 Snow, 330
 White-fronted, 331
 Goshawk, New Britain Gray-headed, 482
 Grackle, Boat-tailed, 348
 Great-tailed, 348-363
 Grallaria, 109
 Grebe, Eared, 238, 253, 486
 Horned, 322-323, 331, 486
 Red-necked, 322, 331
 Greenfinch, 418, 420
 Gress, Franklin, Robert W. Risebrough, and Fred C. Sibley, Shell thinning in eggs of the Common Murre, *Uria aalge*, from the Farallon Islands, California, 368-369
 Grosbeak, Black-headed, 240, 252
 Blue, 197, 379
 Evening, 111
 Pine, 111
 Rose-breasted, 197
 Grouse, Blue, 491, 493
 Sage, 381, 491-493
 Sharp-tailed, 491-493
 Spruce, 380, 437-443
 Red, 439, 441
 Ruffed, 381, 491
 Grus, 225
 canadensis, 330
 Guarino, J. L., see Royall, W. C., Jr., et al.
 Guillemot, Black, 326, 330, 332
 Pigeon, 331
Guiraca caerulea, 197, 379
 Gull, Black-headed, 84, 340
 California, 181
 Dominican, 340
 Glaucous, 330
 Glaucous-winged, 325, 330, 340
 Herring, 84, 88, 253, 325, 330
 Kittiwake, 90
 Mew, 325, 330
 Ring-billed, 341
 Ross's, 325, 330
 Sabine's, 325, 330
 Western, 337-341
Gygis alba candida, 478
Gymnoderus foetidus, 49
Gymnogyps amplus, 238
 atratus, 239
 californianus, 239
Gymnophithys leucaspis, 109
 lunulata, 47-48
Gymnorhinus cyanocephalus, 147, 152, 287
Gymnostinops yuracares, 49
 Gyrfalcon, 331

H

- Habia rubica*, 52
Habropteryx insignis, 482
Haematopus bachmani, 337
 ostralegus, 448, 453
 Hafft, James H. J., Herring Gull attacks Eared Grebe, 253
Haliaeetus leucocephalus, 249, 368
 Hanson, W. C., The 1966-67 Snowy Owl incursion in southeastern Washington and the Pacific Northwest, 114-116
 Harju, Harold J., Spruce Grouse copulation, 380-381
 Harper, Charles A., Breeding biology of a small colony of Western Gulls (*Larus occidentalis wymani*) in California, 337-341
 Haucke, Harry H., Predation by a White-tailed Hawk and a Harris Hawk on a wild Turkey pout, 475
 Hawk, Cooper's, 150, 238, 292
 Gray, 238
 Harris, 475
 Marsh, 384
 Plumbeous, 108
 Red-tailed, 238, 292, 490
 Rough-legged, 238, 331
 Sharp-shinned, 292
 Sparrow, 140, 180, 238, 382-385
 Tiny, 108
 White-tailed, 475
Helmitheros vermivorus, 110, 197, 455
Hemignathus lucidus affinis, 120
 Henderson, Carl W., Comparative temperature and moisture responses in Gambel and Scaled Quail, 430-436
 Hermit, Little, 28, 32, 34-35
 Long-tailed, 36, 253
Hermithraupis flavicollis, 49
 Heron, Chestnut-bellied, 107
 Green, 379
 Yellow-crowned Night, 252
Hesperiphona brooksi, 111
 vespertina, 111
Heteroscelus brevipes, 330
 incanum, 331, 334
 Hickman, Gary L., Prairie Falcons and Red-tailed Hawks rearing young in inactive Golden Eagle nests, 490
Himantopus mexicanus, 444, 472-474
Himatione sanguinea sanguinea, 120
 Hirundinidae, 155
Hirundo rustica, 331
Histrionicus histrionicus, 331
 Holcomb, Larry C., see Maridon, Brian, and —
 Holmes, Richard T., Latitudinal differences in the breeding and molt schedules of Alaskan Red-backed Sandpipers (*Calidris alpina*), 93-99
 Honeycreeper, Crested, 120
 Honeyeater, Bougainville, 482
 New Britain, 482
 Howard, Hildegard, Quaternary avian remains from Dark Canyon Cave, New Mexico, 237-240
 Huber, Lawrence N., Horned Grebe specimen from Arizona, 486
 Huber, Lawrence N., see Clapp, Roger B., and —
 Hummingbird, Allen's, 318

- Anna's, 36, 112, 309, 314, 317-321
 Black-chinned, 197
 Blue-throated, 247
 Calliope, 314-322
 Rivoli, 247
 Ruby-throated, 197, 309-313
 Rufous, 326
 White-eared, 247
Hydrobates pelagicus, 216
 Hydrobatidae, 215
Hylocharis cyanus, 48
 leucotis, 247
Hylocichla fuscescens, 197
 minima, 197, 327, 330, 334
 minima minima, 327
 mustelina, 197
Hylophylax naevioides, 109, 366
 poecilonota, 373
Hypogramma, 485-486
 hypogrammica, 485
 hypogrammica intensor, 485
- I**
- Icteria virens*, 197, 461
 Icteridae, 155, 359, 447
Icterus galbula, 197
 galbula bullockii, 342, 345-346
 galbula galbula, 342-345
 icterus, 359
 parisorum, 241
 spurius, 197
Ictinia mississippiensis, 476
 Iiwi, 120
Inezia, 260, 266, 268, 281, 283-285
 inornata, 260, 266-267
 subflava, 267-268, 278, 281, 283
 tenuirostris, 267
Iridoprocne bicolor, 327, 330
Ixobrychus exilis, 252, 379
- J**
- Jabiru mycteria*, 220, 224, 227-228
Jaeger, Long-tailed, 331
 Parasitic, 331
 Pomarine, 331
 James, Douglas, see Forsyth, Bill J., and —
 Jay, Mexican, 113, 294, 296, 299, 301
 Piñon, 147-152, 287-302
 Scrub, 150
 Steller's, 120, 152, 291-292
 Tufted, 295, 300-301
 Jehl, Joseph R., Jr., The status of *Carpodacus me-*
 gregori, 375-376
 Johnson, R. Roy, and James M. Simpson, Important
 birds from Blue Point Cottonwoods, Mari-
 copa County, Arizona, 379-380
Junco, Oregon, 63, 140, 329-330
 Slate-colored, 329-330, 416-425, 428-429
Junco, 113
 hyemalis, 329-330, 333, 416
 oreganus, 63, 140, 329-330, 333
 oreganus montanus, 329
- K**
- Kahl, M. P., Observations on the Jabiru and Maguari
 Storks in Argentina, 1969, 220-229
 Karr, James R., Ecological, behavioral, and distribu-
 tional notes on some central Panamá birds,
 107-111
- Kilham, Lawrence, Roosting habits of White-breasted
 Nuthatches, 113-114
Kingbird, Eastern, 197
 Tropical, 379
Kingfisher, Belted, 330
Kite, Mississippi, 476
Kittiwake, Black-legged, 331
 Red-legged, 325, 331
 Kok, O. B., Vocal behavior of the Great-tailed Grackle
 (*Quiscalus mexicanus prosopidicola*), 348-
 363
 Kroodsma, Donald E., Song variations and singing
 behavior in the Rufous-sided Towhee, *Pipilo*
 erythrophthalmus oregonus, 303-308
- L**
- Lagopus*, 331
 lagopus, 439
 lagopus scoticus, 439
 mutus, 441
Lampornis clemenciae, 247
Lampronetta fischeri, 331
 Laniidae, 155
Lanius excubitor, 334
 ludovicianus, 241
 Laridae, 478
Lark, Horned, 326, 331
 Stark's, 365
Larus, 489
 argentatus, 22, 84, 88, 253, 325, 330, 341
 californicus, 181
 canus, 325, 330, 332, 335
 delawarensis, 340-341
 dominicanus, 340
 glaucescens, 325, 330, 340
 hyperboreus, 325
 hyperboreus barrovianus, 330
 marinus, 22
 occidentalis, 337, 340-341
 occidentalis wymani, 337
 ridibundus, 84, 349
 Lasiewski, Robert C., Marvin H. Bernstein, and
 Robert D. Ohmart, Cutaneous water loss in
 the Roadrunner and Poor-will, 470-472
Leafscraper, Tawny-throated, 109
Leipoa ocellata, 216
Leptoptilos, 227-228
Leucopternis plumbea, 107-108
Leucosticte arctoa, 333
 arctoa tephrocotis, 333
 Levy, Seymour H., The Mississippi Kite in Arizona,
 476
Lichmera (*bougainvillei*), 482
 Ligon, J. David, Late summer-autumnal breeding of
 the Piñon Jay in New Mexico, 147-153
 Ligon, J. David, Notes on the breeding of the Sul-
 phur-bellied Flycatcher in Arizona, 250-252
Limnodromus scolopaceus, 325, 330, 335
Limnothlypis swainsonii, 197, 459
Limosa lapponica, 330
 limosa, 330
 Linnet, 420
Lipaugus vociferans, 48, 52, 373
Lobipes lobatus, 331
Longspur, Lapland, 144, 330
Loon, Arctic, 330
 Common, 330
 Red-throated, 331
 Yellow-billed, 330
Lophortyx gambelii, 241, 430-431, 435
 californicus, 374, 430

- Lophotriccus vitiensis*, 49
Loxia curvirostra, 151–152, 329, 331, 333
 curvirostra sitkensis, 329–330, 335
 leucoptera, 329, 333
 leucoptera leucoptera, 330, 335
Loxops coccinea ochracea, 120
 maculata newtoni, 120
 virens wilsoni, 120
 Lunda, 19
 *cirrhat*a, 331
Lurocalis semitorquatus, 108
Luscinia svecica, 330, 334
 Lustick, Sheldon, Plumage color and energetics, 121–122
 Lyon, David L., and Christine Chadek, Exploitation of nectar resources by hummingbirds, bees (*Bombus*), and *Diglossa baritula* and its role in the evolution of *Penstemon kunthii*, 246–248
- M**
- Machaeropterus pyrocephalus*, 49
 regulus, 49
Macronectes, 214, 216
 giganteus, 87
 Mallard, 238, 323, 331, 369, 466
Manacus manacus, 144
Manakin, Blue-crowned, 110
 Broad-billed, 110
Mareca penelope, 324, 330
 Maridon, Brian, and Larry Holcomb, No evidence for incubation patch changes in Mourning Doves throughout reproduction, 374–375
 Martin, Larry D., An early Pleistocene eagle from Nebraska, 248–250
 Martin, Purple, 381–382
 McNeil, Raymond, Lean-season fat in a South American population of Black-necked Stilts, 472–475
 Meadowlark, Western, 180
Mecocerculus, 268, 276–277, 281, 283–285
 calopterus, 276
 leucophrys, 276–278, 281–283
 minor, 276
 strictoperus, 276–278, 281–283
Megaceryle alcyon, 330
Megadyptes antipodes, 84
Megarhynchus pitangua, 49, 52
Melanerpes cruentatus, 48, 52
Melanitta deglandi, 324, 330, 335
 perspicillata, 330
Meleagris gallopavo, 238
 gallopavo intermedia, 475
Melidectes, 482
 belfordi, 482
 foersteri, 482
 fuscus, 482
 leucostephes, 482
 nouhuysi, 482
 ochromelas, 482
 princeps, 482
 rufocristalis, 482
 torquatus, 482
 ("Vosea") *whitemanensis*, 482
Melilestes, 482
 (*bougainvillei*), 482
 megarhynchus, 482
 megarhynchus vagans, 482
Meliphaga (*bougainvillei*), 482
 Meliphagidae, 482, 486
Melopsittacus undulatus, 365, 468–471
Melospiza georgiana, 380, 416
 lincolni, 333
 melodia, 210, 303, 333, 352, 381, 416
 Merganser, Common, 331
 Red-breasted, 324, 331
Mergus, 238
 serrator, 324, 331
 merganser, 331
 Meropidae, 474
Merops nubicoides, 474
Micrathene whitneyi, 162
Microcerculus marginatus, 49
Microropias quixensis, 109, 373
 Miller, Richard Elton, see Miller, Richard S., and —
 Miller, Richard S., and Richard Elton Miller, Feeding activity and color preference of Ruby-throated Hummingbirds, 309–313
 Milligan, Marilyn M., and Jared Verner, Inter-populational song dialect discrimination in the White-crowned Sparrow, 208–213
 Milligan, Marilyn M., see Verner, Jared, and —
 Mimidae, 155
Minimus polyglottos, 241, 259
 Minock, Michael E., Social relationships among Mountain Chickadees (*Parus gambeli*), 118–120
Mniotilta varia, 197, 455
 Mockingbird, 180, 241, 359
 Moho, 120
Molothrus ater, 113
 ater obscurus, 121
 Momotidae, 155, 159
Momotus momota, 48
Monasa morphoeus, 373
 nigrifrons, 48
Morphnus woodwardi, 249–250
Morus bassanus, 84
Motacilla alba, 330, 335
 flava, 327, 330, 335
 flava simillima, 335, 482
 Motacillidae, 155, 482
 Murre, common, 1–8, 10–26, 331, 368–369
 Thick-billed, 1–8, 10–26, 331
 Murrelet, Ancient, 326, 331
 Kittlitz's, 326, 331
 Marbled, 326, 331
 Xantus', 254
Muscisaxicola, 261, 272
Mycteria americana, 220
 Myers, J. Peterson, see Shallenberger, Robert J., and —
Myiarchus cinerascens, 241
 crinitus, 197
 ferox, 49
 tuberculifer, 250
 tyrannulus, 252
Myiodynastes, 259
 luteiventris, 250, 252
 maculatus, 49
Myiozetetes, 49, 259, 272
Myrmeciza exsul, 109
 hemimelaena, 48
 hyperythra, 48
 laeasticta, 107, 109
 longipes, 109
 melanoceps, 47–48
Myrmoborus myotherinus, 47–48
Myrmornis torquata, 109
Myrmotherula axillaris, 48, 109, 373
 brachyura, 109
 fulviventris, 109
 hauwelli, 373

ignota, 109
 surinamensis, 373
 Myzomela, 486
 Myzornis, 486

N

Nectarinia, 485-486
 johannae, 485
 Nectariniidae, 485-486
 Neodrepanis, 486
 Neophron, American, 238
 Neophrontops americanus, 237-238
 Nighthawk, Lesser, 241
 Semi-collared, 108
 Noddy, Brown, 478-479
 White-capped, 478-479
 Notharchus macrorhynchus, 48
 Nucifraga, 399
 caryocatactes, 297
 columbiana, 151, 297
 Nukupuu, 120
 Numenius phaeopus, 331
 tahitiensis, 330, 334-335
 Nunbird, White-fronted, 373
 Nuttallornis borealis, 197
 Nutcracker, Clark's, 151-152, 297-300
 European, 297
 Nuthatch, European, 114
 Red-breasted, 114, 330, 379
 White-breasted, 113-114, 327
 Nyctea scandiaca, 114, 331
 Nycticorax violacea, 252
 violacea bancrofti, 252
 violacea caliginis, 252
 violacea violacea, 252
 Nyctiphrynus, 475

O

Oceanites oceanicus, 215
 Oceanodroma furcata, 331
 leucorhoa, 215-216
 Ochthoeca, 281
 Odontophorus, 47, 49
 stellatus, 48
 Oenanthe oenanthe, 327, 330, 335
 Ohmart, Robert D., and E. Linwood Smith, Water deprivation and use of sodium chloride solutions by Vesper Sparrows (*Poocetes gramineus*), 364-366
 Ohmart, Robert D., see Lasiewski, Robert C., et al.
 Oidemia nigra, 324, 335
 nigra americana, 330
 Oldsquaw, 331
 Olor columbianus, 330
 Oniki, Yoshika, Wandering interspecific flocks in relation to ant-following birds at Belém, Brazil, 372-374
 Oo, 120
 Oporornis agilis, 197, 455
 formosus, 197, 455
 philadelphia, 197, 455
 Oreotrochilus chimborazo, 321
 estella, 319, 321
 Oriole, Baltimore, 197
 Orchard, 197
 Scott, 241
 Ortygocichla rubiginosa, 482
 rufa, 482
 Oryzoborus nuttingi, 253
 Ostrich, 469-470

Otophanes, 475
 mcleodii, 475
 mcleodii rayi, 475
 Otus asio, 412
 Ou, 120
 Ovenbird, 79, 197, 455-460
 Owl, Barn, 150, 238, 384
 Barred, 384
 Black-and-white, 253
 Boreal, 330
 Burrowing, 162-175, 177-178, 180-187, 189-191, 238
 Elf, 162, 164, 174
 Great Horned, 150, 287, 291-292, 384, 466
 Horned, 238
 Little, 165-166, 173-175
 Saw-whet, 184
 Screech, 412
 Short-eared, 115, 236, 238, 284, 331
 Snowy, 114-115, 331
 Oystercatcher, Black, 330, 337

P

Pachyptila desolata, 215, 399
 turtur, 214-215
 Pachyramphus, 280-281, 284
 cinnamomeus, 281
 marginatus, 48
 polychopterus, 48
 versicolor, 253
 Pagodroma nivea, 214-216
 Palmeria dolei, 120
 Parabuteo unicinctus, 475
 Paridae, 155
 Parrotbill, Maui, 120
 Parrot-finch, Blue-faced, 483
 Partridge, Chukar, 466
 Parula americana, 197, 455
 Parulidae, 155
 Parus, 188
 gambeli, 118, 380
 major major, 78
 Passer domesticus, 383
 Passerculus sandwichensis, 254, 329-330
 sandwichensis sanctorum, 376
 Passerella iliaca, 329-330, 333, 416
 iliaca sinuosa, 329, 331, 335
 Passerina amoena, 197, 240
 cyanea, 197
 Percy, William G., see Scott, J. Michael, et al.
 Pearson, Carol A., see Ralph, C. John, and —
 Pearson, David L., Vertical stratification of birds in a tropical dry forest, 46-55
 Pedioecetes phasianellus, 491
 Pelecanoides urinatrix, 215
 Pelecanoididae, 215
 Pelecanus occidentalis, 368
 Pelican, Brown, 368
 Pelicaniformes, 478
 Pendergast, B. A., and D. A. Boag, Nutritional aspects of the diet of Spruce Grouse in central Alberta, 437-443
 Penelope jacquacu, 48
 Penguin, Adélie, 81-82, 84, 86-90, 487
 Yellow-eyed, 84
 Petrel, Black-bellied Storm, 214
 Bonin, 490
 Fork-tailed, 331
 Giant, 87
 Jouanin's, 490

- Petrochelidon pyrrhonota*, 327, 330
pyrrhonota pyrrhonota, 327, 335
 Pewee, Eastern Wood, 197
 Ochraceous, 253
Phaethon rubricauda, 123
 rubicauda melanorhynchos, 478
 Phaethontidae, 478
Phaethornis hispidus, 48
 longuemareus, 28, 36, 48
 philippi, 48
 supercilius, 36-44, 253
Phainopepla nitens, 241
Phalacrocorax auritus, 238-239
 auritus albociliatus, 239
 auritus cincinnatus, 239
 melanoleucos, 481
 pelagicus, 331
 urile, 331-332
Phalaenoptilus nuttallii, 238, 241, 470-471
 Phalarope, Northern, 331
 Red, 331
 Wilson's, 374
Phalaropus fulicarius, 331
Phasianus colchicus, 181, 466
Pheasant, Ring-necked, 466
Pheucticus ludovicianus, 197
 melanocephalus, 240, 252
Philacte canagica, 323, 331
Philomachus pugnax, 325, 330
Phlegopsis nigromaculata, 47-48
Phloeocastest haematogaster, 108
 melanoleucos, 108
Phoebe, Black, 261
 Say, 241
Phoebetria fusca, 488
 palpebrata, 488
Phylloscartes, 284
 ventralis, 284
Phylloscopus borealis, 330, 334
 trivirgatus, 482
Piaya cayana, 48, 52
 melanogaster, 48, 52
Pica pica, 466
 Pigeon, Domestic, 181, 466, 470-471
 Passenger, 238
 White-throated, 482
Piha, Screaming, 373
Pinicola enucleator, 111
 montana, 111
Pintail, 323, 331
Pionites melanocephala, 48, 52
Pipilo erythrophthalmus, 129, 303-313
 erythrophthalmus montanus, 303
 erythrophthalmus oregonus, 303
Pipit, Indian Tree, 328, 330
 Pechora, 330
 Red-throated, 328, 330
 Rock, 74
 Water, 328, 330
Pipra coronata, 49, 110
 fasciicauda, 49
 pipra, 49
Pipromorpha oleaginea, 49
Piranga olivacea, 197
 rubra, 197, 379
Pitangus, 259
 lictor, 284
 sulphuratus, 284
Pittasoma, 109
 michleri, 110
Platypsaris, 280-281
 minor, 280
Plautus alle, 325, 331-332, 335
 alle alle, 332, 335
 alle polaris, 332
Plectrophenax hyperboreus, 329, 331, 335
 nivalis, 327, 331
 Ploceidae, 474
Ploceus cucullatus, 468-471
Plover, American Golden, 330
 Black-bellied, 325, 331
 Mongolian, 330
 Mountain, 238
 Ringed, 324, 330
 Semipalmated, 324, 330
 Wilson's, 474
Pluvialis dominica fulva, 330
Podiceps auritus, 322-323, 329, 331, 335, 486
 caspicus, 238-239, 253, 486
 grisegena, 322, 331, 335
Poephila castanotis, 121, 468-471
Pogonotriccus, 284
Polioptila, 278
 caerulea, 197
Polysticta stelleri, 331
Poocetes gramineus, 254, 364
 gramineus confinus, 364
Poor-will, 238, 241, 470-471
 Eared, 475
Porphyrola martinica, 478
Prairie Chicken, 493
 Lesser, 238
Prion, Dove, 399
Procellaria aequinoctialis, 214-215
 cinerea, 214-215
 Procellariidae, 215
 Procellariiformes, 214, 397
Progne subis, 381, 478
 "Promeropidae," 486
Promerops, 485-486
Protonotaria citrea, 455
Prunella montanella, 330
Psarocolius decumanus, 49
Pseudonestor xanthophrys, 120
Psilorhinus mexicanus, 149
 Psittacidae, 238
Psittirostra psittacea, 120
Ptarmigan, Rock, 439
 Willow, 439
Pterodroma brevirostris, 215
 hypoleuca, 215, 490
 lessoni, 215
 mollis, 215
Pteroglossus beauharnaesii, 48, 52
 castanotis, 48
 mariae, 48
Puffin, Horned, 331
 Tufted, 331
Puffinus assimilis, 215
 griseus, 215
 huttoni, 214-215
 nativitatis, 215
 pacificus, 215-217, 478
 puffinus, 215
 tenuirostris, 214-215, 331
Pulich, Warren M., Some fringillid records for Texas,
 111
Pycnonotus goiavier, 474
Pygoptila stelleri, 48, 52, 373
Pygmy-Tyrant, Helmeted, 373

Pygoscelis adeliae, 81, 487
 Pyrocephalus rubinus, 49
 Pyrrhula pyrrhula, 328, 330, 333, 418, 474

Q

Quail, California, 183, 374, 430, 433-436
 Gambel, 241, 430-436
 Painted, 468-471
 Scaled, 430-436
 Tawny-faced, 108
 Quail-Dove, Olive-backed, 108
 Purplish-backed, 108
 Quelea quelea, 474
 Querula purpurata, 48, 52
 Quiscalus major, 348, 351, 358
 mexicanus, 348-349, 351, 354-361
 mexicanus prosopidicola, 348, 363

R

Rallus, 482
 Ralph, C. John, An age differential of migrants in coastal California, 243-246
 Ralph, C. John, and Carol A. Pearson, Correlation of age, size of territory, plumage, and breeding success in White-crowned Sparrows, 77-80
 Ramphastos culminatus, 48
 cuvieri, 48
 Ramphocaenus melanurus, 373
 Ramphocelus carbo, 49, 52, 373
 Ramphotrigon ruficauda, 49
 Raven, 238, 328
 Common, 330
 Ray, Thomas D., see Boeker, Erwin L., and —
 Recurvirostra americana, 444, 447, 449
 avocetta, 447, 449, 452
 Recurvirostridae, 447, 472
 Redpoll, Common, 328, 330
 Hoary, 328, 331
 Redstart, American, 197, 350, 380, 455-460
 Rhinocryptidae, 155
 Rhodostethia rosea, 325, 330
 Rhynchocyclus, 110
 Rhynchortyx cinctus, 107-108
 Richards, Gerald L., The Common Crow, Corvus brachyrhynchos, in the Great Basin, 116-118
 Richmondia cardinalis, 359, 416
 Riparia riparia, 331, 381
 Risebrough, Robert W., see Gress, Franklin, et al.
 Rissa brevirostris, 325, 331-332
 tridactyla, 90, 331
 Risser, Arthur C., Jr., A technique for performing laparotomy on small birds, 376-379
 Roadrunner, 241, 470-471
 Conkling, 238
 Robin, 180, 327, 330, 380
 Clay-colored, 110
 European, 70
 Rufous-backed, 380
 Rook, 151, 292
 Roth, Vincent D., Unusual predatory activities of Mexican Jays and Brown-headed Cowbirds under conditions of deep snow in south-eastern Arizona, 113
 Rothstein, Stephen I., High nest density and non-random nest placement in the Cedar Wax-wing, 483-485
 Royall, W. C., Jr., J. L. Guarino, J. W. De Grazio, and A. Gammell, Migration of banded Yellow-headed Blackbirds, 100-106

Ruff, 325, 330
 Rupicola rupicola, 28
 Rupicolidae, 28
 Rush-tyrant, Many-colored, 278
 Russell, Dennis N., Food habits of the Starling in eastern Texas, 369-372

S

Salpinctes obsoletus, 241
 Saltator maximus, 49
 Sandpiper, Baird's, 330
 Red-backed, 93-94, 96-97
 Rock, 331
 Sharp-tailed, 330
 Western, 330
 Sapayoa aenigma, 110
 Sapsucker, Yellow-bellied, 313
 Sayornis, 259, 261, 272, 282
 nigricans, 261
 saya, 241, 277
 Scaup, Greater, 330
 Sclerurus guatemalensis, 109
 mexicanus, 107, 109
 Schartz, R. Leigh, and John L. Zimmerman, The time and energy budget of the male Dickcissel (Spiza americana), 65-76
 Schoener, Thomas W., Large-billed insectivorous birds: a precipitous diversity gradient, 154-161
 Scolopacidae, 478
 Scoter, Common, 324, 330
 Surf, 330
 White-winged, 324, 330
 Scott, J. Michael, John Butler, William G. Percy, and Gerard A. Bertrand, Occurrence of the Xantus' Murrelet off the Oregon coast, 254
 Sealy, Spencer G., Francis H. Fay, Jean Bédard, and Miklos D. F. Udvardy, New records and zoogeographical notes on the birds of St. Lawrence Island, Bering Sea, 322-336
 Seed-Finch, Nicaraguan, 253
 Seiurus aurocapillus, 79, 197, 455
 motacilla, 197, 455
 noveboracensis, 197, 380, 455
 Selasphorus rufus, 112, 326
 sasin, 112, 319
 Serinus canarius, 374
 Serpophaga, 259, 261, 266-270, 272-273, 275-278, 280-285
 araguayae, 260
 cinerea, 260-267, 270, 275, 277-283
 griseiceps, 260, 267
 hypoleuca, 260, 283
 inornata, 260
 munda, 260-266, 270, 276-278, 282-283
 nigricans, 260-261, 264, 266, 278, 281-282
 subcristata, 259-267, 270, 272, 274-277, 279, 281-283
 Serpophaginae, 259, 280, 282, 284-285
 Setophaga ruticilla, 197, 350, 380, 456
 Shallenberger, Robert J., and J. Peterson Myers, First nesting record for the Frigatebird (Fregata minor) in the main Hawaiian Islands, 385-386
 Shearwater, Slender-billed, 331
 Wedge-tailed, 478-479
 Sheathbill, 87
 Shoveler, 331
 Shrike, Loggerhead, 241
 Sialia mexicana, 240

- Sibley, Fred C., see Gress, Franklin, et al.
 "Siete Colores," 278
- Simpson, James M., see Johnson, R. Roy, and —
- Sirystes sibilator, 49, 280
- Siskin, Pine, 111, 240, 329-330
- Sitta canadensis, 114, 327, 330-331
 carolinensis, 113-114
 europaea, 114
 villosa, 327
- Sittasomus griseicapillus, 109
- Skua, Antarctic, 87, 217
- Skylark, European, 254
- Smith, E. Linwood, see Ohmart, Robert D., and —
- Smith, W. John, Behavioral characteristics of serpo-
 phaginine tyrannids, 259-286
- Smyth, Michael, and Harry N. Coulombe, Notes on
 the use of desert springs by birds in Cali-
 fornia, 240-243
- Somateria mollissima, 331
 spectabilis, 331
- Sparrow, Andean, 127, 376
 Black-throated, 241-242, 365
 Brewer's, 365-366
 Chipping, 240, 330
 Field, 245, 416-422, 429
 Fox, 329-330, 416-422, 425, 428
 Golden-crowned, 380, 383
 House, 383
 Pectoral, 373
 Rufous-collared, 127-131, 133-135
 Sage, 240, 365
 Savannah, 254, 364-366
 Song, 210-211, 213, 303, 308, 352, 359, 381-
 382, 416-423, 425, 428
 Swamp, 380, 416-423, 425, 429
 Tree, 416-423, 425, 429
 Vesper, 254, 364-366
 White-crowned, 34, 56, 58-64, 66-75, 77-80,
 121-122, 208, 210-213, 240, 329-330, 383,
 409
 White-throated, 63, 240, 401-414, 416-422, 425,
 428
- Spatula clypeata, 331
- Speotyto cunicularia, 238
 cunicularia hypugaea, 162, 169, 171-172, 174,
 177
- Sphenorhynchus, 229
 abdimii, 227-228
- Sphyrapicus varius, 313
- Spinetail, Pale-breasted, 253
- Spinus pinus, 111, 240, 329-331, 333
 pinus pinus, 335
 tristis, 329-331, 335
 tristis jewetti, 121
- Spiza americana, 65, 197
- Spizaetus grinnelli, 249-250
 nipalensis, 249
 pliogryps, 250
 tanneri, 249-250
 tyrannus, 249
 willetti, 249
- Spizella arborea, 329-330, 333, 416
 breweri, 365-366
 passerina, 240, 330, 333
 pusilla, 416
- Spizocorys starki, 365
- Spring, Lowell, A comparison of functional and
 morphological adaptations in the Common
 Murre (*Uria aalge*) and Thick-billed Murre
 (*Uria lomvia*), 1-27
- Squatarola squatarola, 325, 329, 331, 335, 478
- Starling, 369-372, 376, 378, 459
- Steganopus tricolor, 374
- Stellula calliope, 314-322
- Stercorarius longicaudus, 331
 parasiticus, 331
 pomarinus, 115, 331
 skua maccormicki, 217
- Sterna fuscata, 133
 fuscata crissalis, 478
 hirunda, 84
 paradisaea, 331
- Stigmatura, 267-268, 275, 278-279, 281, 284-285
 budyoides, 267-268, 277-278, 280-281, 283-284
 napensis, 278
- Stilt, Black-necked, 444, 452, 472-474
- Stork, Blacknecked, 223
 Jabiru, 220, 222-223, 227-228
 Maguari, 220, 224-228
 Saddle-bill, 223
 White, 224, 227
 Wood, 220
- Stresemannia (*bougainvillei*), 482
- Strigidae, 155
- Strix varia, 384
- Struthio camelus, 469-471
- Sturnella neglecta, 180-181
- Sturnus vulgaris, 369, 376, 459
- Sula dactylatra granti, 476, 478
 leucogaster brewsteri, 477
 leucogaster nesiotus, 476-478
 sula, 385, 478
 sula websteri, 477-478
- Sulidae, 477-478
- Sunbittern, 108
- Swallow, Bank, 331, 381
 Barn, 331
 Cliff, 180, 327, 330
 Tree, 327, 330
- Swan, Whistling, 330
- Swift, Vaux's, 380
- Sylviidae, 155, 482
- Synallaxis albescens, 253
 rutilans, 48
- Synthliboramphus, 17, 19
 antiquum, 326, 331, 335

T

- Tachuris, 278, 282, 285
 rubrigastra, 278-279, 281-283
- Tachyphonus delatrii, 110
 rufiventer, 49
 surinamus, 373
- Taeniopygia castanotis, 365
- Tanager, Carmiol's, 110
 Fulvous-crested, 373
 Gray-headed, 373
 Scarlet, 197
 Silver-beaked, 373
 Summer, 197
 Tawny-crested, 110
- Tangara chilensis, 49, 51-52
 mexicana, 49, 52
 velia, 49, 52
 xanthogastra, 49, 52
- Tattler, Polynesian, 330
 Wandering, 331
- Teal, Baikal, 330
 Green-winged, 238, 323-324, 330
- Telmatodytes palustris, 69

- Tenaza, Richard, Behavior and nesting success relative to nest locations in Adélie Penguins (*Pygoscelis adeliae*), 81-92
- Terenotriccus erythrurus*, 49
- Tern, Common, 84
Sooty, 478-480
White, 478-479
- Tetrao urogallus*, 441
- Tetraonidae, 380
- Thamnistes anabatinus*, 107, 109
- Thamnomanes caesius*, 373
- Thamnophilus aethiops*, 48, 373
amazonicus, 373
schistaceus, 48
- Thickknee, 238
- Thomsen, Lise, Behavior and ecology of Burrowing Owls on the Oakland Municipal Airport, 177-192
- Thraupidae, 155
- Thraupis palmarum*, 49, 52
- Thrush, Cocoa, 373
Gray-cheeked, 197, 327, 330
New Britain, 482
Swainson's, 197
Wood, 197
- Thryomanes bewickii*, 241, 307, 379
- Tit, Great, 78
- Tit-tyrant, Agile, 275
Ash-breasted, 275
Pied-crested, 269
San Juan Fernández, 269
Tufted, 268
Unstreaked, 275
Yellow-bellied, 269
- Tityra, 280
semifasciata, 48, 52
- Todirostrum chrysocrotaphum*, 49
- Tolmomyias assimilis*, 49
- Totanus flavipes*, 329-330, 478
melanoleucus, 478
- Towhee, Rufous-sided, 129, 303-313
- Trochilidae, 28, 326
- Troglodytes aedon*, 216
troglodytes, 334
- Troglodytidae, 155
- Trogon curucui*, 48
violaceus, 48
viridis, 48, 51-52
- Tropicbird, Red-tailed, 123, 478-479
- Troupial, Yellow, 359
- Turdidae, 155
- Turdinae, 482
- Turdus*, 49
fumigatus, 373
grayi, 110
ignobilis, 49
migratorius, 327, 329-330, 335, 380
rufopalliatus, 380
- Turkey, 238, 475
- Turnstone, Black, 330
Ruddy, 330
- Tympanuchus cupido*, 493
pallidicinctus, 238
- Tyrannidae, 155, 280, 284
- Tyrannulet, Bananal, 260
Gray-crowned, 260
Plain, 260, 266
Plain-tipped, 267
River, 260, 283
Rufous-winged, 276
Slender-billed, 267
Sooty, 260
Sulphur-bellied, 276
Torrent, 260
White-banded, 276
White-bellied, 259
White-crested, 259-260
White-throated, 276
- Tyrannus*, 259, 266, 272, 280, 282
melancholicus, 49, 52, 379
tyrannus, 197
- Tyrant, Patagonian, 281
- Tyto, 237, 384
alba, 150, 238

U

- Udvardy, Miklos D. F., see Sealy, Spencer G., et al.
- Uria aalge*, 1, 19, 26, 331, 368-369
lomvia, 1, 19, 26, 331
lomvia lomvia, 25
- Uromyias*, 269, 275, 281, 284-285
agilis, 275
agraphia, 275

V

- Vardy, Linda E. (Donaldson), Color variation in the crown of the White-throated Sparrow, *Zonotrichia albicollis*, 401-414
- Veery, 197
- Veniliornis affinis*, 48, 373
- Verbeek, Nicolaas A. M., Hummingbirds feeding on sand, 112-113
- Verdin, 241
- Vermivora chrysoptera*, 197, 455
peregrina, 197, 455
pinus, 197, 455
ruficapilla, 197, 240, 461
- Verner, Jared, and Marilyn M. Milligan, Responses of male White-crowned Sparrows to playback of recorded songs, 56-64
- Verner, Jared, see Milligan, Marilyn M., and —
- Vestiaria coccinea*, 120
- Violet-ear, Brown, 108
- Vireo, Bell's, 379
Gray, 241
Hutton's, 379
Red-eyed, 197
Solitary, 197
Warbling, 197, 243-244
Yellow-throated, 197
- Vireo bellii*, 379
flavifrons, 197
gilvus, 197, 243
gilvus swainsonii, 243
huttoni, 379
olivaceus, 49, 197
solitarius, 197
vicinior, 241, 243
- Vireolaniidae, 155
- Vireonidae, 155
- Vosea, 482
- Vulture, Turkey, 218
Western Black, 238

W

- Wagtail, White, 330
Yellow, 327-328, 330, 482
- Wagtail-tyrant, Greater, 278
Lesser, 278
- Wahl, Terence R., and Howard E. Wilson, Nesting record of European Skylark in Washington state, 254

- Warbler, Arctic, 330
 Bay-breasted, 197, 455-459
 Black-and-white, 197, 455-460
 Black-throated Blue, 197, 455-460
 Black-throated Gray, 197
 Black-throated Green, 197
 Blackburnian, 197, 350, 455-457
 Blackpoll, 197, 455-461
 Blue-winged, 197, 455-457
 Canada, 197, 455-457
 Cape May, 455-456
 Cerulean, 197, 455-456
 Chestnut-sided, 197, 455-457
 Connecticut, 197, 455-457
 Golden-winged, 197, 455
 Hooded, 197, 455-457
 Island Leaf, 482
 Kentucky, 197, 455, 457
 Magnolia, 197, 455-460
 Mourning, 197, 455-457
 Nashville, 197, 455-460
 Palm, 456-460
 Parula, 197, 455-457, 459-460
 Pine, 455-456
 Prairie, 455-456
 Prothonotary, 197, 455-457
 Swainson's, 197, 459
 Tennessee, 197, 455-460
 Wilson's, 197, 240, 243-244, 328, 330, 461
 Worm-eating, 110, 197, 455-456
 Yellow, 197, 240, 243, 350, 379
 Yellow-throated, 197, 455-456
- Warham, John, Body temperatures of petrels, 214-219
- Waterthrush, Louisiana, 197, 455-456
 Northern, 197, 380, 456-460
- Watson, George E., and George J. Divoky, Identification of *Diomedea leptorhyncha* Coues 1866, an albatross with remarkably small salt glands, 487-489
- Waxwing, Cedar, 483-484
- Weaver, Village, 468, 470-471
- Wheatear, 327, 330
- Whimbrel, 331
- White-eye, Japanese, 122
- Widgeon, European, 324, 330
- Wiley, R. Haven, Song groups in a singing assembly of Little Hermits, 28-35
- Willson, Mary F., Seed selection in some North American finches, 415-429
- Willson, Mary F., A note on foraging overlap in winter birds of deciduous woods, 480-481
- Wilson, Howard E., see Wahl, Terence R., and —
- Wilsonia canadensis*, 197, 455
citrina, 197, 455
pusilla, 197, 240, 243, 328, 330, 461
- Woodcreeper, Barred, 373
 Black-striped, 108
 Buff-throated, 373
 Long-tailed, 109
- Olivaceous, 109
 Plain-brown, 109, 373
 Ruddy, 109
 Spix's, 373
 Wedge-billed, 109, 373
- Woodpecker, Cinnamon, 108
 Crimson-bellied, 108
 Downy, 113-114
 Ladder-backed, 241
 Red-bellied, 480
 Red-headed, 480
 Red-stained, 373
- Wren, Bewick, 240-241
 Cactus, 241
 Cañon, 240-241
 House, 216
 Long-billed Marsh, 69
 Rock, 240-241

X

- Xanthocephalus xanthocephalus*, 100, 350, 356
Xema sabini, 325, 331
Xenops, Plain, 109, 373
Xenops minutus, 109, 373
Xenopsaris, White-naped, 280
Xenopsaris, 278, 280-281, 284-285
albinucha, 280-281, 283
Xenorhynchus asiaticus, 223-224, 227
Xiphorhynchus guttatus, 373
lachrymosus, 108
spixii, 48, 373

Y

- Yanacea, 275
- Yellowlegs, Greater, 478-479
 Lesser, 330, 478-479
- Yellowthroat, 379, 461
- Young, Allen M., Foraging for insects by a tropical hummingbird, 36-45
- Young, Allen M., Roosting of a Spotted Antbird (*Formicariidae*: *Hylophylax naevioides*) in Costa Rica, 367-368

Z

- Zenaida asiatica*, 241
Zenaidura macroura, 181, 238, 241, 374, 466
 Zimmerman, John L., see Schartz, R. Leigh, and —
- Zonotrichia albicollis*, 63, 401-414, 416
atricapilla, 380, 383
capensis, 127, 129, 133, 136-137, 139-145, 376
leucophrys, 34, 56, 121, 240, 329-330, 333, 383, 409
leucophrys gambelli, 329, 335
leucophrys nuttalli, 77, 79, 208
- Zoothera talasea*, 482
 Zosteropidae, 486
Zosterops japonica, 122