

INDEX TO VOLUME 72

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

A

- Acanthis, 156, 160
 flammea, 61, 104, 125
 hornemanni, 61, 125
- Accipiter, 252
 cooperi, 255
 gentilis, 103, 184, 255
 striatus, 218, 255
- Actitis macularia, 167, 353
- Aechmophorus occidentalis, 373, 376
- Aegolius, 252, 262
 acadicus, 45, 253-256, 258-259
 funereus richardsoni, 253-256, 258-259
 funereus tengmalmi, 258, 260
- Aeronautes saxatalis, 225, 228
- Aethia cristatella, 167
 pusilla, 167
- Agelaius phoeniceus, 299, 449, 457, 471, 473
 tricolor, 445, 458
- Agriocharis crassipes, 151
 leopoldi, 151
 progenes, 151
- Aimophila ruficeps, 29, 328
- Aix sponsa, 474
- Akiapolaau, 240
- Albatross, Black-footed, 110, 122, 339-353, 355-356
 Laysan, 122, 341-344, 346, 348-352, 356
- Alectoris graeca, 222-223, 280
- Alopochen, 149-150
- Amadina fasciata, 265
- Amadon, D., see Sick, Helmut —
- Amakihi, Hawaiian, 238
- Amazilia, 3
 rutila, 4-13
 saucerrottei, 4-13
 tzacatl, 4-9, 11, 167
- Ames, Peter L., see Lynch, James F., and —
- Ammomanes deserti deserti, 476
- Ammoperdix heyi, 168
- Amphispiza, 272
 belli, 34, 265
 belli nevadensis, 265, 273
 bilineata, 24, 32, 34, 265, 289-290
- Anabernicula, 147-151
 gracilentia ross, 147-148
 minuscula, 147-148
 oregonensis, 147-148, 150
 robusta, 147-150
 ross, 147
- Anas acuta, 104, 150, 166, 321, 449
 carolinensis, 104, 166
 crecca, 108
 cyanoptera, 166, 474
 discors, 60-61, 153, 166, 291
 flavirostris, 361
 platalea, 361
 platyrhynchos, 104, 150, 166, 206, 321, 446
 sibilatrix, 361
 specularis, 361
 strepera, 104
- Anatidae, 150
- Anderson, Daniel W., Pseudo-sleeping attitude in Lesser Scaup and Ring-necked Ducks, 370-371
- Anderson, Stanley H., The avifaunal composition of Oregon white oak stands, 417-423
- Anderson, William L., Seasonal changes in thymus weights in Ring-necked Pheasants, 205-208
- Ani, Smooth-billed, 375
- Anous stolidus, 460
 tenuirostris, 460
- Anser albifrons, 474
- Anseriformes, 165-166
- Anthony, Robert, Ecology and reproduction of California Quail in southeastern Washington, 276-287
- Anthracothorax, 3, 7-8
 prevostii, 4-8, 11
- Anthus spinoletta, 104, 244
 spragueii, 244
- Antilophia galeata, 428
- Antshrike, Barred, 375
- Aphelocoma coerulescens, 199, 201, 328, 418, 457, 475
 ultramarina, 328
- Aphrastura spinicauda, 363
- Aphriza virgata, 242
- Apodiformes, 167
- Apus apus, 225
- Aquila chrysaetos, 112, 114
 rapax, 164-166
- Araçari, Collared, 371-372
- Archilochus, 3, 6-8, 11-12, 210
 alexandri, 209-212, 328
 colubris, 4-7, 11
- Archilochus alexandri × Selasphorus sasin, 209, 212
- Ardea, cinerea, 45, 410
 herodias, 166, 407
 occidentalis, 411
- Ardeotis kori, 166
- Arenaria interpres, 372
 melanocephala, 104, 167
- Arnold, Keith A., and Terry C. Maxwell, The Great Swallow-tailed Swift (*Panyptila sanctihieronymi*) from the state of Guerrero, México, 108
- Arremonops conirostris, 61
- Arvey, M. Dale, Second record of Ovenbird in Nevada, 367
- Ashmole, N. Philip, see Tovar S., Humberto, and —
- Asio, 252, 262
 flammeus, 104, 252-256, 258-260, 363, 463
 flammeus galapagoensis, 77
 otus otus, 260
 otus wilsonianus, 252-256, 258-260
- Asyndesmus lewis, 196
- Auklet, Cassin's, 491
 Rhinoceros, 491
- Auriparus flaviceps, 431-432, 493
- Austin, George T., Interspecific territoriality of migrant Calliope and resident Broad-tailed Hummingbirds, 234
- Austin, George T., Breeding birds of desert riparian habitat in southern Nevada, 431-436
- Austin, George T., The occurrence and status of certain anatids in southern Nevada, 474
- Aves, 46, 324
- Avocet, European, 222
- Aythya affinis, 108, 166, 370
 americana, 166
 collaris, 370
 fuligula, 108
 marila, 104, 108, 166, 242, 474
 valisineria, 242, 370, 474

B

- Bageshwar, K., see Thapliyal, J. P., and —
 Balda, Russell P., Effects of spring leaf-fall on composition and density of breeding birds in two southern Arizona woodlands, 325-331
Balearica pavonina, 166
Bananaquit, 105, 375
 Banks, Richard C., The Fox Sparrow on the west slope of the Oregon Cascades, 369-370
 Banks, Richard C., and Charles G. Hansen, Bird records from southern Nevada, 109-110
 Barfield, R. J., see Hammer, W. M., and —
 Barlow, Jon C., James A. Dick, and Esther Pendergast, Additional records of birds from British Honduras (Belize), 371-372
 Bartholomew, George A., and Charles H. Trost, Temperature regulation in the Speckled Mousebird, *Colius striatus*, 141-146
 Bartholomew, George A., see Lasiewski, Robert C., and —
Bartramia longicauda, 167
 Berger, Andrew J., The eggs and young of the Palila, an endangered species, 238-240
 Binford, Laurence C., Audubon's Shearwater, Hudsonian Godwit, and Long-tailed Jaeger in Oaxaca, México, 366
Biziura lobata, 45
 Blackbird, Brewer's, 15-22, 57, 457
 European, 449
 Redwinged, 299-303, 449, 457-458, 471-473
 Rusty, 103
 Tricolored, 445-450, 458
 Yellow-headed, 458
 Bluebird, Eastern, 328
 Mountain, 184-186, 188, 498
 Western, 200, 418
 Bluethroat, 479
 Bobolink, 62, 458
 Bobwhite, 85-87
 Masked (ssp.), 86
 Bobwhite × California Quail, 86
 Bobwhite × Gambel Quail, 86
 Bock, Carl E., and James F. Lynch, Breeding bird populations of burned and unburned conifer forest in the Sierra Nevada, 182-189
Bombycilla cedrorum, 45, 418, 428, 499
Bonasa umbellus, 166, 441
 Booby, Brown, 484
 Masked, 484
 Red-footed, 483, 484, 485
Botaurus lentiginosus, 166
Brachialis anticus, 294-295
Brachyramphus marmoratum, 104
 Brant, Black, 104, 110
Branta canadensis, 61, 104, 147, 154, 156, 353
 canadensis occidentalis, 147
 nigricans, 104, 110
 Brantadorna, 150
 Broadbill, Banded, 428
 Black and Red, 428
 Wattled, 428
Bubo virginianus, 103, 167, 184, 256-257, 259, 262, 418
 virginianus occidentalis, 253-255, 257
 virginianus pacificus, 253-255, 257
 virginianus pallascens, 254-255, 257
 virginianus virginianus, 252-255
 virginianus wapacuthu, 253-256
Bubulcus ibis, 62, 105
Bucephala albeola, 359

clangula, 102, 104, 474
islandica, 102

- Buckley, F. G., see Buckley, P. A., and —
 Buckley, P. A., and F. G. Buckley, Notes on the distribution of some Puerto Rican birds and on the courtship behavior of White-tailed Tropicbirds, 483-486
Bucorvus leadbeateri, 167
Budgerigar, 21, 289, 291
Budgerygah, 265, 272-273
 Bufflehead, 359
Bullfinch, 175-178, 450
 Bunting, Common Snow, 111
 Indigo, 116-119
 Lazuli, 184-186, 419, 422
 McKay's Snow, 111
 Burns, John J., see Irving, Laurence, and —
 Bushtit, Common, 327-329, 418
Buteo, 115, 256
 galapagoensis, 82
 jamaicensis, 166, 184, 200, 418, 463
 lagopus, 104, 114
 swainsoni, 215
 vulpinus, 166
Butorides virescens, 105, 407

C

- Cahow, 80, 82-83
Calcarius lapponicus, 104
 ornatus, 244
 Calder, William A., Use of Dipper nest by Mountain Bluebird, 498
Calidris alba, 362-363
 bairdii, 362
 fuscicollis, 362
 minutilla, 375
Callipepla, 85-87
 squamata, 85, 166
Callipepla × *Colinus*, 85
Callipepla × *Lophortyx*, 85, 87
Calypte anna, 177, 201, 203
 costae, 432
 Campbell, R. Wayne, Occurrence and nesting of Black Terns in southwestern British Columbia, 500
Campylorhynchus brunneicapillus, 273, 363, 432
 Canvasback, 242, 370, 474
Capella gallinago, 104, 223
 Caprimulgidae, 236
Caprimulgiformes, 167
Caprimulgus, 332
 carolinensis, 236
 europaes, 237, 496
 maculicaudus, 237
 nigrescens, 237
 parvulus, 237
 ridgwayi, 237
 rufus, 237
 vociferus, 45, 237, 328
 Caracara, Yellow-headed, 105
 Cardinal, 33
Carduelis carduelis, 429
 Carinini, 149
 Carlson, Robert D., see Craddock, Donovan R., and —
 Carpenter, Roger E., and Mary A. Stafford, The secretory rates and the chemical stimulus for secretion of the nasal salt glands in the Rallidae, 316-324
Carpodacus cassinii, 184
 mexicanus, 99, 102, 115-116, 201, 244, 269 289-290, 328, 418, 432, 475

- mexicanus frontalis*, 240
purpureus, 429
Casmerodius albus, 105, 166, 407
 Catbird, 116-119
Catharacta, 122
Cathartes, 166, 248
 aura, 184, 244, 418
Catharus, 457
 aurantiistrotris, 499
 guttatus, 458
Catoptrophorus semipalmatus, 112, 167, 222-223
Centrocercus urophasianus, 165-166
Centurus carolinus, 169
 urophygialis, 167
Cepphus columba, 104, 111
Cereopsis, 148
Cerorhinca monocerata, 491
Certhia familiaris, 184, 243, 418
Chaetura pelagica, 225
 vauxi, 184
 Chaffinch, 159, 222
Chamaea fasciata, 201
 Chaniot, George E., Jr., Notes on color variation in
 downy Caspian Terns, 460-465
Charadriiformes, 167, 316
Charadrius alexandrinus, 167
 semipalmatus, 104, 481
 vociferus, 167, 245
Chen caerulescens, 166
 hyperborea, 474
 rossii, 474
 Chickadee, 420
 Black-capped, 104, 222, 418, 496
 Mountain, 184-186, 188, 496
 Child, George I., and Shirley G. Marshall, A method
 of estimating carcass fat and fat-free weights
 in migrant birds from water contents of
 specimens, 116-119
Chlidonias spp., 460
 niger, 167, 500
Chloephaga, 148-151
Chlorophanes, 429
Chlorostilbon, 3, 7-11
 canivetii, 4-7, 11
Chlorura chlorura, 184
Chondestes grammacus, 29, 328
Chordeiles, 332
 acutipennis, 225, 237, 432
 minor, 167, 184, 228, 237
 pusillus, 237
 Chuck-will's-widow, 236-237
Ciconia ciconia, 166
Ciconiiformes, 165-166
Cinclus mexicanus, 104, 234, 498
Circus aeruginosus, 245
 cyaneus, 104, 215, 245
 pygargus, 245
Clangula hyemalis, 110
 Clark, George A., Jr., Apparent lack of the double-
 scratch in two species of *Spizella*, 370
Coccyzus americanus, 116
 erythrophthalmus, 371-372
 Cock-of-the-Rock, Guianan, 424
Coereba flaveola, 105, 375
Colaptes auratus, 45, 167, 173
 cafer, 167, 184, 199, 328, 418, 457
 chrysoides, 167
Coliiformes, 141
Colinus, 85-87
 virginianus, 85, 283
 virginianus ridgwayi, 86
Colinus × *Lophortyx*, 87
Colius, 225
 colius, 141
 indicus, 141
 striatus, 141-145
 striatus minor, 141
 Colley, Frank A., see Enderson, James H., and —
Columba fasciata, 418
 flavistrotris, 371
 livia, 167, 363
Columbiformes, 167
Coly, Speckled, 141
Contopus sordidulus, 184, 328, 419
 virens, 29
 Coot, American, 151, 165, 291, 316-323
Coraciiformes, 167
Coragyps, 248
 Cormorant, Pelagic, 104
 Red-faced, 242
Corvus brachyrhynchos, 57
 caurinus, 243
 corax, 104, 113
Cotinga amabilis, 425-426
 cotinga, 429
Cotinga, Lovely, 425
 Pompadour, 425
 Purple-throated, 426
Cotingidae, 424, 429
Coturnix coturnix japonica, 99
 Cowbird, Bronzed, 500-501
 Brown-headed, 184, 328, 343, 350, 419-420, 432,
 457, 491, 500
 Glossy, 485
Cracidae, 106
 Cracraft, Joel, A new species of *Telmabates* (*Phoeni-*
copteriformes) from the Lower Eocene of
 Patagonia, 479-480
 Craddock, Donovan R., and Robert D. Carlson, Pere-
 grine Falcon observed feeding far at sea,
 375-376
 Crane, Sandhill, 104
 Whooping, 246
Crax alector, 108
 blumenbachii, 106-107
 fasciolata, 107
 globulosa, 106
 mitu, 107
 tomentosa, 108
 urumutum, 107
 Creeper, Brown, 169, 170-173, 184, 186, 243, 418
 Crossbill, Red, 130, 243, 272
 White-winged, 129, 243, 258, 479
 Crossin, Richard S., and Lawrence N. Huber, Sooty
 Tern egg predation by Ruddy Turnstones,
 372-373
Crotophaga ani, 375
 major, 45
 Crow, Common, 57
 Northwestern, 243
 Cuckoo, Black-billed, 371, 372
 Yellow-billed, 116-119
Cuculiformes, 167
Cuprimulgiformes, 332-333, 335
Curassow, Nocturnal, 107
 Red-billed, 106
 Wattled, 106
 Curlew, Bristle-thighed, 372
 Eurasian, 218, 221, 223
 Long-billed, 213-215, 217, 219-223
 Stone, 221

Cyanocitta cristata, 37, 370
 stelleri, 184, 199–200, 418
 Cyanocorax affinis, 248
 Cygnus melancoryphus, 361
 Cymbirhynchus, 429
 macrorhynchus, 426, 428
 Cyrotonyx montezumae, 166, 328

D

Daption capensis, 82
 Darling, John L., New breeding records of *Toxostoma curvirostre* and *T. bendirei* in New Mexico, 366–367
 Davis, L. Irby, and Fred S. Webster, Jr., An intergeneric hybrid flycatcher (*Tyrannus* × *Muscivora*), 37–42
 Dawson, William R., see Lasiewski, Robert C., and —
 Dendragapus obscurus, 437
 Dendrocincla fuliginosa, 233
 Dendrocopos, 313
 albolaryvatus, 184
 arizonae, 328
 hypertythrus subrufinus, 479
 major, 482
 nuttallii, 199–201
 pubescens, 169, 242, 418
 scalaris, 432
 syriacus, 482
 villosus, 184, 200, 418
 Dendroica albilora, 473
 auduboni, 184, 418
 caerulescens caerulescens, 109
 coronata, 116
 dominica, 473
 graciae, 328
 nigrescens, 328, 419
 pensylvanica, 116, 246
 petechia, 104, 184, 419
 Dick, James A., see Barlow, Jon C., and —
 Dickcissel, 61
 Dickerman, Robert W., A systematic revision of *Geothlypis speciosa*, the Black-pollled Yellowthroat, 95–98
 Dickerman, Robert W., and Allan R. Phillips, Taxonomy of the Common Meadowlark (*Sturnella magna*) in central and southern México and Caribbean Central America, 305–309
 Diomedea, 110, 122, 349
 albatrus, 122
 immutabilis, 122, 350–351
 nigripes, 110, 122, 343–344, 347, 349, 351
 Dipper, 104, 234–235, 498
 Dolichonyx oryzivorus, 62, 458
 Donham, Richard S., and Fred E. Wilson, Photo-refractoriness in pinealectomized Harris' Sparrows, 101–102
 Dove, Barbary, 271
 Inca, 145, 271
 Mourning, 184, 201, 203, 271–272, 291, 328, 432
 Ring, 21
 Rock, 363
 White-winged, 109, 371, 431–432
 Dowitcher, Short-billed, 112, 242
 Dryocopus pileatus, 184, 418, 424, 426, 428–429
 Duck, Domestic, 316
 Harlequin, 104
 Peking, 322
 Ring-necked, 370, 371
 Ruddy, 370
 Spectacled, 361

Tufted, 108

Wood, 474

Dumetella carolinensis, 116
 Dunlin, 213

E

Eagle, Bald, 104, 112, 358–360
 Golden, 112, 114
 Earhart, Caroline M., and Ned K. Johnson, Size dimorphism and food habits of North American owls, 251–264
 Easterla, David A., and Wally George, Marbled Godwit and Yellow-throated Warbler in Colombia, South America, 473
 Eddinger, C. Robert, The White-eye as an inter-specific feeding helper, 240
 Egret, Cattle, 62, 105
 Common, 407–408, 413–416
 Great, 105
 Snowy, 407
 Eider, King, 110
 Spectacled, 110
 Eisenmann, E., and F. Haverschmidt, Northward migration to Surinam of South American martins (*Progne*), 368–369
 Elaenia, Caribbean, 485
 Elaenia chiriquensis, 46
 martinica, 485
 Elanus leucurus, 463
 Emerald, Fork-tailed, 4
 Empidonax albigularis, 105
 fulvifrons, 328
 hammondi, 364–365
 oberholseri, 184, 186, 364–365
 traillii, 29
 wrightii, 364
 Enderson, James H., Frank A. Colley, and John Stevenson, Aerial eagle count in Colorado, 112
 Eophona personata magnirostris, 479
 Eremophila alpestris, 113, 244
 Eremopterix verticalis, 265
 Ereunetes pusillus, 167
 Erickson, C. W., see Johns, J. E., and —
 Erithacus svecica weigoldi, 479
 Erolia alpina, 213
 maritima, 45
 mauri, 112
 melanotos, 167, 213, 242
 minutilla, 104, 167
 ruficollis, 167
 Escalante, Rodolfo, Notes on the Cayenne Tern in Uruguay, 89–94
 Estrilda amandava, 192
 troglodytes, 125
 Eugenes fulgens, 328
 Euphagus carolinus, 103
 cyanocephalus, 15, 57, 457
 Eurostopus, 332
 Eurylaimidae, 424, 428
 Eurylaimus javanicus, 428
 steerei, 428
 Eurypyga helias, 45

F

Falco, 256
 cenchroides, 45
 columbarius, 104
 jagger, 113
 mexicanus, 113
 pelegrinoides, 113

- peregrinus, 104, 113, 362, 375, 463
 peregrinus anatum, 375
 peregrinus pealei, 375
 rusticolus, 104, 113
 sparverius, 166, 184, 200, 463, 476
 tinnunculus, 476
 Falcon, Barbary, 113
 Lanner, 113
 Peregrine, 104, 113-115, 362, 375-376, 463
 Prairie, 113
 Falconiformes, 166, 251, 256, 323
 Feduccia, J. Alan, Variation in avian plasma proteins,
 498-499
 Fieldfare, 480
 Finch, 194
 Arctic Rosy, 479
 Cassin, 184-186
 Cutthroat, 265
 Gouldian, 424
 House, 99-100, 102, 115-116, 201, 240, 244, 269,
 271-272, 289, 328, 418, 432, 475
 Kona, 238
 Slaty, 105
 Zebra, 50-51, 53, 58, 61, 125, 128-129, 265,
 272-273, 289-292, 473
 Finch-lark, Grey-backed, 265, 271
 Flamingo, Chilean, 119
 Flicker, Red-shafted, 184-186, 188, 199, 328, 418,
 457
 Yellow-shafted, 173
 Flycatcher, Ash-throated, 327-328, 432
 Bran-colored, 105
 Buff-breasted, 328, 330
 Hammond's, 364-365
 Mouse-colored, 374-375
 Olivaceous, 328
 Olive-sided, 184, 186, 243
 Scissor-tailed, 109
 Tody, 375
 Traill's, 29
 Vermilion, 428, 488
 Western (?), 350
 White-throated, 105
 Forpus passerinus, 374
 Forsythe, Dennis M., Vocalizations of the Long-billed
 Curlew, 213-224
 Fowl, Domestic, 222
 Fox, Edward L., see Lustick, Sheldon, and —
 Francolinus sephaena, 165, 166
 Fratercula corniculata, 167
 Fregatidae, 251
 Fregatta tropica, 361
 Fringilla coelebs, 159, 222
 Fringillidae, 19
 Frogmouth, Little Papuan or Marbled, 332, 335
 Tawny, 332
 Frost, Herbert H., see Smith, Dwight G., and —
 Fruitcrow, Purple-throated, 425
 Red-ruffed, 424
 Fruiteater, Red-banded, 426
 Fulica americana, 151, 165-166, 291, 316
 Fulmar, 82, 341-344, 350, 352, 355-356
 Fulmarus glacialis, 82, 110
 glacialoides, 82
- G**
- Gadwall, 104
 Galliformes, 166
 Gallinula chloropus, 151
 Gallus domesticus, 166
 gallus, 43, 222
 Gavia immer, 104, 376
 stellata, 45, 104, 166
 Gaviiformes, 166
 Gelochelidon nilotica, 460, 484
 Geococcyx californianus, 167, 243, 432, 475
 George, Wally, see Easterla, David A., and —
 Geothlypis, 95, 97
 nelsoni, 97
 nelsoni karlena, 97
 speciosa, 95, 96, 97
 speciosa limnatis, 95, 96, 97
 speciosa speciosa, 95, 96, 97
 trichas, 97
 trichas modesta, 97
 Gerstenberg, R. H., and Stanley W. Harris, A Cali-
 fornia specimen of the Bar-tailed Godwit,
 112
 Gerstenberg, R. H., see Harris, Stanley W., and —
 Gibson, Daniel D., Recent observations at the base of
 the Alaska Peninsula, 242-243
 Gill, Frank B., Hybridization in Norfolk Island White-
 eyes (Zosterops), 481-482
 Glading, Ben, and Charlotte H. Glading, An instance
 of a captive Turkey Vulture killing prey,
 244-245
 Glading, Charlotte H., see Glading, Ben, and —
 Glaucidium, 262
 brasilianum cactorum, 257
 brasilianum ridgwayi, 252-256, 259
 gnoma, 259
 gnoma californicum, 253-255, 257-258
 gnoma grinnelli, 253, 255-258
 gnoma swarthi, 257-258
 Gnatcatcher, Black-tailed, 432
 Blue-gray, 328
 Godwit, Bar-tailed, 112, 242
 Hudsonian, 242, 362, 366
 Marbled, 112, 242, 366, 473
 Goldeneye, Barrow's, 102
 Common, 102, 104, 474
 Goldfinch, American, 419
 European, 429
 Goose, Canada, 61, 104, 147, 154, 156, 350
 Emperor, 104
 Ross', 474
 Snow, 474
 White-fronted, 474
 Goshawk, 103, 184, 255
 Grackle, Boat-tailed, 238
 Common, 238
 Great-tailed, 238
 Graculus, 293
 Grassquit, Blue-black, 61
 Grebe, Eared, 376
 Horned, 104, 376
 Red-necked, 104
 Silvery, 361
 Western, 373, 376
 Greenshank, 222
 Grosbeak, Black-headed, 328
 Blue, 501
 Evening, 61, 184
 Japanese, 479
 Ground-tyrant, Cinnamon-bellied, 363
 Grouse, Blue, 437-443
 Red, 441
 Ruffed, 441
 Gruiformes, 165-166
 Grus americana, 246
 canadensis, 104, 166
 Guan, Piping, 106

- Guillemot, Pigeon, 104, 111
 Guiraca caerulea, 501
 Gull, Black-headed, 21, 484, 485
 Bonaparte's, 104, 485
 California, 134, 215, 463
 Franklin's, 484-485
 Glaucous, 110, 111
 Glaucous (?), 350, 353
 Glaucous-winged, 104, 110, 134, 341-344, 350,
 353-356
 Gray, 120
 Gray-hooded, 119
 Herring, 134, 242, 341-344, 349-350, 354-356,
 370, 484
 Ivory, 110, 111
 Mew, 104
 Ring-billed, 215, 463, 484
 Sabine's, 104
 Western, 133-137, 139, 354
 Gygis alba, 460
 Gyrfalcon, 104, 113, 114
- H**
- Haematopus leucopodus, 363
 ostralegus, 222
 Haliaeetus leucocephalus, 104, 112, 358
 vocifer, 166
 Hamner, W. M., and R. J. Barfield, Ineffectiveness
 of pineal lesions on the testis cycle of a finch,
 99-101
 Hancock, David, New Rhinoceros Auklet colony for
 British Columbia, 491
 Hand, Ralph L., House Finches (*Carpodacus mexi-*
 canus) in Montana, 115-116
 Hansen, Charles G., see Banks, Richard C., and —
 Hardy, John William, Duplex nest construction by
 Hooded Oriole circumvents cowbird para-
 sitism, 491
 Harrier, Australian, 245
 Marsh, 245
 Montagu's, 245
 Harris, Bruce K., Specimen records for South Dakota
 birds, 243-244
 Harris, Michael P., The biology of an endangered
 species, the Dark-rumped Petrel (*Pterodroma*
 phaeopygia), in the Galápagos Islands, 76-
 84
 Harris, Stanley W., and R. H. Gerstenberg, Common
 Teal and Tufted Duck in northwestern Cali-
 fornia, 108
 Harris, Stanley W., see Gerstenberg, R. H., and —
 Havens, Phillip D., Aberration in the clutch size of
 the Semipalmated Plover, 481
 Haverschmidt, F., Notes on the Royal Tern in Suri-
 nam, 246
 Haverschmidt, F., Wattled Jacana caught by an Ana-
 conda, 364
 Haverschmidt, F., Notes on the life history of the
 Mouse-colored Flycatcher in Surinam, 374-
 375
 Haverschmidt, F., see Eisenmann, E., and —
 Hawk, Cooper's, 255
 Galápagos, 82
 Marsh, 104, 215, 245
 Pigeon, 104
 Red-tailed, 184, 200, 418, 420, 463
 Rough-legged, 104, 114
 Sharp-shinned, 218, 255
 Sparrow, 184, 200, 463
 Swainson's, 215
 Hawk-Eagle, Black, 247
 Hawk-owl, 257
 Heckenlively, Donald B., Song in a population of
 Black-throated Sparrows, 24-36
 Heliomaster, 3, 7, 9
 constantii, 4-8, 10-11
 Helms, Carl W., see Kuenzel, Wayne J., and —
 Hemignathous wilsoni, 240
 Hen, Sage, 165, 168
 Hendrickson, Herbert T., see Sibley, Charles G.,
 and —
 Heppner, Frank, The metabolic significance of dif-
 ferential absorption of radiant energy by
 black and white birds, 50-59
 Hermit, Little, 3
 Heron, Black-crowned Night, 407
 Great Blue, 407-416
 Great White, 411
 Green, 105, 407-408
 Grey, 410-411, 413
 Hesperiphona vespertina, 61, 184
 Heteroscelus incanum, 104, 167
 Hilty, Steven, see Leck, Charles F., and —
 Histrionicus histrionicus, 104
 Horn, Henry S., Social behavior of nesting Brewer's
 Blackbirds, 15-23
 Huber, Lawrence N., see Crossin, Richard S., and —
 Hughes, Maryanne Robinson, Relative kidney size
 in nonpasserine birds with functional salt
 glands, 164-168
 Hummingbird, Allen's, 209, 211
 Anna's, 177, 201, 203
 Black-chinned, 209-211, 327-330
 Blue-throated, 328, 330
 Blue-vented, 4
 Broad-tailed, 234, 327-329
 Calliope, 184, 234
 Cinnamon, 4
 Costa's, 432-433
 Rivoli's, 328
 Ruby-throated, 5
 Rufous-tailed, 5, 184
 Scaly-breasted, 3
 Hydroprogne caspia, 167, 460, 485
 Hylocichla, 457
 fuscescens, 116
 guttata, 104, 184, 243
 minima, 116, 243
 mustelina, 458
 ustulata, 116, 243
- I**
- Icterus bullockii, 432, 501
 cucullatus, 328, 491
 galbula, 491
 parisorum, 328
 spurius, 109
 Iridopane, 429
 Iridoprocne bicolor, 103, 184
 Irving, Laurence, C. Peter McRoy, and John J. Burns,
 Birds observed during a cruise in the ice-
 covered Bering Sea in March 1968, 110-112
 Ixoreus naevius, 243, 419, 452, 454-456
- J**
- Jacana jacana, 364
 Jacana, Wattled, 364
 Jacu, 106
 Jaeger, Long-tailed, 342-343, 350, 353, 366
 Parasitic, 104

- Jay, Black-chested, 248
 Mexican, 327-328
 Scrub, 199, 201, 328, 418, 456-457, 475
 Steller's, 184, 186, 199-201, 418
- Jehl, Joseph R., Jr., A Mexican specimen of the Yellow-billed Loon, 376
- Jenkinson, Marion Anne, and Robert M. Mengel, Ingestion of stones by Goatsuckers (Caprimulgidae), 236-237
- Johns, J. E., and C. W. Erickson, Breeding of free-living Trumpeter Swans in northeastern Washington, 377-378
- Johnsgard, Paul A., A summary of intergeneric new world quail hybrids, and a new intergeneric hybrid combination, 85-88
- Johnson, Ned K., see Earhart, Caroline M., and —
 Johnson, Oscar W., and John N. Mugaas, Quantitative and organizational features of the avian renal medulla, 288-292
- Junco, Mexican, 29, 34
 Oregon, 29, 184-186, 200, 419, 457
 Slate-colored, 466
- Junco hyemalis, 370, 466
 oreganus, 29, 184, 200, 419, 457
 oreganus mearnsi, 475
 phaeonotus, 29
- K**
- Keith, Allan R., Bird observations from Tierra del Fuego, 361-363
- Kendeigh, S. Charles, Energy requirements for existence in relation to size of bird, 60-65
- Kestrel, American, 476
 European, 476
- Killdeer, 245
- Killpack, Merlin L., Notes on Sage Thrasher nestlings in Colorado, 486-488
- Kingbird, Cassin's, 328
 Western, 328, 432
- Kingfisher, Belted, 104
- Kinglet, Golden-crowned, 184-186, 188, 419
 Ruby-crowned, 184, 199-200, 419
- Kite, Everglade, 492, 493
 White-tailed, 463
- Kittiwake, Black-legged, 104, 111, 134, 355
- Kuenzel, Wayne J., and Carl W. Helms, Hyperphagia, polydipsia, and other effects of hypothalamic lesions in the White-throated Sparrow, Zonotrichia albicollis, 66-75
- L**
- Lagger, 113
- Lagopus lagopus, 104, 166
 lagopus scoticus, 441
- Lampornis clemenciae, 328
- Lampronetta fischeri, 110
- Lance, A. N., Movements of Blue Grouse on the summer range, 437-444
- Landolt, Marsha, see Payne, Robert B., and —
 Lanius excubitor, 104
 ludovicianus, 17, 432
- Lapwing, 245
- Laridae, 321
- Lark, Desert, 476-478
 Horned, 113, 244
 Stark's, 265, 271, 273
- Larus, 359
 argentatus, 134, 242, 353, 370, 484
 atricilla, 484
 canus, 104
 cirrocephalus, 119-122
 delawarensis, 107, 215, 463, 484
 glaucescens, 104, 110, 134, 167, 353
 heermanni, 167
 hyperboreus, 110, 353
 modestus, 120
 occidentalis, 133-134, 136-137, 139, 167, 354
 philadelphus, 104, 167
 pipixcan, 167, 484
 ridibundus, 21, 484
- Lasiewski, Robert C., William R. Dawson, and George A. Bartholomew, Temperature regulation in the Little Papuan Frogmouth, Podargus ocellatus, 332-338
- Leck, Charles F., and Steven Hilty, New and interesting records from the Chiriquí highlands of Panamá, 105
- Leptoptilas cruminiferus, 166
- Leucophox thula, 407
- Leucosticte, 113
 arctoa brunneonucha, 479
- Ligon, J. David, Still more responses of the Poor-will to low temperatures, 496-498
- Lill, Alan, Nidification in the Channel-billed Toucan (Ramphastos vitellinus) in Trinidad West Indies, 235-236
- Limnodromus griseus, 112, 242
 scolopaceus, 167
- Limosa fedoa, 112, 167, 242, 366, 473
 haemastica, 242, 366
 lapponica, 242
 lapponica baueri, 112
- Littlefield, Carroll D., A Marsh Hawk roost in Texas, 245
- Lobipes lobatus, 104, 363
- Locke, Louis N., see Uhler, Francis M., and —
 Longspur, Chestnut-collared, 244
 Lapland, 104
- Loon, Common, 104, 376
 Red-throated, 104
 Yellow-billed, 376
- Lophodytes, 160
 cucullatus, 150, 242, 474
- Lophortyx, 85-87
 californicus, 85, 276, 457
 douglasii, 85
 gambelii, 85, 166, 222, 244, 283, 432, 445, 475
 leucopropon, 87
- Lophortyx × Colinus, 86
 Lophortyx × Oreortyx, 85
- Loxia curvirostra, 130, 243, 272, 429
 leucoptera, 130, 243
 leucoptera bifasciata, 479
- Loxops virens virens, 238
- Lunda cirrhata, 167, 491
- Lurocalis semitorquatus, 237
- Lustick, Sheldon, Sharon Talbot, and Edward L. Fox, Absorption of radiant energy in Redwinged Blackbirds (Agelaius phoeniceus), 471-473
- Lynch, James F., and Peter L. Ames, A new hybrid hummingbird, Archilochus alexandri × Selasphorus sasin, 209-212
- Lynch, James F., see Bock, Carl E., and —
- M**
- MacLean, Stephen F., Jr., Social stimulation modifies the feeding behavior of the American Robin, 499-500
- MacRoberts, Michael H., Notes on the food habits and food defense of the Acorn Woodpecker, 196-204

- Magpie, Black-billed, 104, 445, 449
 Yellow-billed, 104, 445, 449
- Mallard, 104, 150, 206-207, 321, 446
- Manakin, Crimson-hooded, 428
 Helmeted, 428
- Mango, Green-breasted, 4
- Manuwal, David A., Notes on the territoriality of Hammond's Flycatcher (*Empidonax hammondi*) in western Montana, 364-365
- Mareca americana, 104
- Marshall, David B., Chestnut-sided Warbler in Washington, 246
- Marshall, Shirley G., see Child, George I., and —
- Martin, Black-backed, 368
 Gray-breasted, 368
 Southern, 368
- Martin, Stephen G., The agonistic behavior of Varied Thrushes (*Ixoreus naevius*) in winter assemblages, 452-459
- Maxwell, Terry C., see Arnold, Keith A., and —
- McCaskie, Guy, Occurrence of the eastern species of *Opornis* and *Wilsonia* in California, 373-374
- McRoy, C. Peter, see Irving, Laurence, and —
- Meadowlark, Eastern or Common, 305
- Megasceryle alcyon, 104, 167
- Melanerpes, 173, 313
 cruentatus, 313
 erythrocephalus, 170, 196, 313
 formicivorus, 167, 196, 204, 313, 328
 (*Trichopicus*) cactorum, 313
- Melanitta deglandi, 166
 perspicillata, 359, 474
- Meleagris alta, 151
 gallopavo, 45, 150-151, 328
 tridens, 151
- Melospittacus undulatus, 21, 167, 265, 289-290
- Melospiza lincolni, 29
 melodia, 29, 95, 222, 370, 418, 457
 melodia adjusta, 97
 melodia juddi, 288-290
 melodia villai, 97
 melodia yuriria, 97
 melodia zacapu, 97
- Mengel, Robert M., see Jenkinson, Marion Anne, and —
- Merganser, Hooded, 150, 242, 474
 Red-breasted, 104, 242
- Mergus serrator, 104, 150, 166, 242
- Mesophoyx intermedius, 166
- Micrathene whitneyi, 167, 253, 255, 257, 328
 whitneyi sanfordi, 252-253, 255
- Micropalama himantopus, 484
- Milvago chimachima, 105
- Mimus polyglottos, 328, 432, 475, 501
- Mitu, 108
- Mockingbird, 328, 432-433, 475, 501
- Moldenhauer, Ralph R., and John A. Wiens, The water economy of the Sage Sparrow, *Amphispiza belli nevadensis*, 265-275
- Molothrus, 501
 ater, 184, 328, 419, 432, 457, 500
 ater obscurus, 491
 badius, 500
 rufoaxillaris, 500
- Montaque, 245
- Morony, John J., Jr., see Short, Lester L., and —
- Mousebird, Speckled, 141, 145-146
- Mugaas, John N., and James R. Templeton, Thermoregulation in the Red-breasted Nuthatch (*Sitta canadensis*), 125-132
- Mugaas, John N., see Johnson, Oscar W., and —
- Munia, Black-headed, 194
 Chestnut-bellied, 192, 194
 Lal, 192, 194
 Spotted, 192
- Munia atricapilla, 192
 malacca, 194
- Murray, Bertram G., Jr., A redescription of two Pliocene cormorants, 293-298
- Murre, Common (?), 355, 359
- Murrelet, Marbled, 104
- Muscisaxicola, 488-490
 capistrata, 363
- Muscivora forficata, 37-42, 109
- Myadestes townsendi, 184, 418
- Mycteria americana, 62
- Myiarchus cinerascens, 328, 432
 crinitus, 46
 tuberculifer, 328
- Myioborus torquatus, 499
- Myiodynastes maculatus, 46
- Myiophobus fasciatus, 105
- Myiozetetes similis, 46
- Myrcha, Andrzej, and Jan Pinowski, Weights, body composition, and calorific value of postjuvenile molting European Tree Sparrows (*Passer montanus*), 175-181

N

- Narver, David W., Birds of the Chignik River drainage, Alaska, 102-105
- Neochen, 148-150
 jubata, 148-149, 151
- Neomorphus geoffroyi, 106
- Netta peposaca, 362
- Nighthawk, Common, 184, 228
 Least, 237
 Lesser, 225, 432
 Texas, 237
- Nightjar, European, 237, 496, 498
- Niles, David M., A record of clutch size and breeding in New Mexico for the Bronzed Cowbird, 500-501
- Nothocrax, 108
 urumutum, 107
- Nothoprocta perdicaria, 45
- Notiochelidon cyanoleuca, 363
- Nucifraga columbiana, 184
- Numenius americanus, 213, 218, 222-223
 americanus parvus, 215
 arquata, 218, 223
 phaeopus, 242, 372
 tahitiensis, 372
- Numida meleagris, 166
- Nutcracker, Clark, 184
- Nuthatch, Brown-headed, 129
 Pigmy, 129, 184-186, 328
 Red-breasted, 125-131, 186, 243, 419
 White-breasted, 169-173, 184-186, 199-200, 328, 418
- Nuttallornis borealis, 184, 243
- Nyctea scandiaca, 111, 252-255, 257, 259
- Nycticorax nycticorax, 166, 407
- Nyctidromus, 332
 albicollis, 237

O

- Oceanodroma, 375
 castro, 82
 furcata, 104, 352, 375

- leucorhoa, 353, 375
leucorhoa beali, 353
- Ochthoeca, 490
- Odontophorus capueira, 106
- Oidemia nigra, 104
- Oldsquaw, 110
- Oliver, William W., The feeding patterns of sap-suckers on ponderosa pine in northeastern California, 241
- Olor buccinator, 377
columbianus, 104, 474
- Olson, Storrs L., Specializations of some carotenoid-bearing feathers, 424-430
- Oniki, Yoshika, Roosting behavior of three species of woodcreepers (Dendrocolaptidae) in Brazil, 233
- Onychorhynchus mexicanus, 46
- Oporornis agilis, 373
formosus, 373
philadelphia, 373
tolmiei, 184, 419
- Oreortyx, 85-87
picta, 85, 184
- Oreoscoptes montanus, 486
- Oriole, Baltimore, 491
Bullock's, 432, 501
Hooded, 328, 491
Orchard, 109
Scott's, 327-328
- Oriolus chinensis, 45
- Orr, Yosef, Temperature measurements at the nest of the Desert Lark (*Ammomanes deserti deserti*), 476-478
- Osprey, 103, 114, 115
- Ostrich, 164-165, 337
- Otus asio, 167, 256-257, 259, 262, 328
asio bendirei, 253-255, 257, 259-260
asio cineraceus, 252-255, 257, 259-260
asio inyoensis, 252-255
asio kennicottii, 253-255, 257, 259-260
asio maccalli, 254-255
asio macfarlanei, 257
asio naevius, 252-255, 257, 260
asio quercinus, 253-255, 257, 259-260
asio suttoni, 253-255
flammeolus flammeolus, 109, 252-257, 259
trichopsis aspersus, 252-253, 255, 257
trichopsis trichopsis, 254-256
- Ovenbird, 367
- Owen, Ray B., Jr., The bioenergetics of captive Blue-winged Teal under controlled and outdoor conditions, 153-163
- Owl, Barn, 256, 261, 463, 492
Barred, 257
Boreal, 258, 260
Burrowing, 257, 262
Elf, 257, 261, 328
Ferruginous, 257
Flammulated, 109, 257, 261-262
Great Gray, 258
Great Horned, 103, 184, 255, 257, 418, 420
Long-eared, 252, 258, 260-261
Pygmy, 257-260, 262
Saw-whet, 258, 260
Screech, 252, 257, 260-262, 328
Short-eared, 77, 82, 104, 258, 260-261, 363, 463
Snowy, 111, 257, 261
Spotted, 258
- Oxyura jamaicensis, 166, 370
- Oystercatcher, European, 222
Magellanic, 362
- P**
- Pagodroma nivea, 82
- Pagophila eburnea, 110, 111
- Palila, 238-240
- Pandion haliaetus, 103, 114
- Panyptila sanctihieronymi, 108
- Parapavo californicus, 151
- Parrotlet, Green-rumped, 374
- Partridge, Chukar, 222-223, 280
Desert, 168
- Parula americana, 116
- Parus atricapillus, 104, 222, 418, 496
caeruleus, 482
cyanus, 482
gambeli, 184, 496
inornatus, 199-201, 328, 496
nollweberi, 328
- Passer domesticus, 45, 61, 129, 176, 206, 240, 337, 363, 370, 449, 457, 466, 475, 492
montanus, 175
- Passerculus sandwichensis, 104, 272, 370
sandwichensis beldingi, 289, 290
sandwichensis brooksi, 289
sandwichensis nevadensis, 289, 290
- Passerella iliaca, 104, 184, 369-370, 418, 457
iliaca fulva, 369-370
iliaca megarhyncha, 369-370
iliaca schistacea, 369
- Passeriformes, 64
- Passerina amoena, 184, 419
cyanea, 116
- Pauraque, 237
- Pauxi, 108
- Payne, Robert B., and Marsha Landolt, Thyroid histology of Tricolored Blackbirds (*Agelaius tricolor*) in the annual cycle, breeding, and molt, 445-461
- Pedioecetes phasianellus, 166
- Pelecaniformes, 166, 316
- Pelecanus erythrorhynchos, 166
- Pendergast, Esther, see Barlow, Jon C., and —
- Penelope superciliaris, 106
- Perdix perdix, 166, 179
- Petrel, Barau's, 83
Beal's, 353
Capped, 83
Cook's, 83
Dark-rumped, 76-83
Fork-tailed, 104, 341-344, 350, 352, 355-356, 375
Great-winged, 80
Hawaiian, 76
Jamaica, 83
Kermadec, 80, 83
Leach's, 341-344, 350, 353, 355-356, 375
Madeiran Storm, 82
Mottled, 83
Phoenix, 80, 83
Silver-grey, 82
Snow, 82
Soft-plumaged, 83
Solander's, 83
Storm, 343-344, 375, 376
White-necked, 83
- Petrochelidon pyrrhonota, 184
- Pewee, Wood, 29
Western Wood, 184, 186, 327-328, 419, 422
- Phaeochroa, 3, 9, 12
cuvierii, 3-7, 9-13
- Phaeomyias murina, 374-375

- Phaethon aethereus*, 483
 lepturus, 83, 483
 lepturus ascensionis, 483
 lepturus catesbyi, 483
 rubricauda, 483
Phaethornis, 3, 8
 longuemareus, 3-8
Phainopepla, 432-433
 nitens, 432
Phalacrocorax auritus, 291, 293-298
 idahensis, 293-298
 kennelli, 293-298
 macer, 296-298
 macer brodkorb, 293, 296
 macropus, 293
 pelagicus, 104, 166
 urile, 242
 wetmorei, 296, 297
Phalaenoptilus, 332
 nuttalli, 184, 225, 237, 328, 432, 496-497
Phalarope, Northern, 104, 363
 Red, 363
 Wilson's, 363
Phalaropus fulicarius, 363
Phasianus colchicus, 61, 166, 205, 279, 418
 versicolor, 61
Pheasant, Japanese Green, 61
 Reeves, 61
 Ring-necked, 61, 205-207, 279-280, 283-285,
 418, 420
Pheucticus melanocephalus, 328
Philacte canagica, 104
Phillips, Allan R., see Dickerman, Robert W., and —
Philortyx, 85, 87
Phlogothraupis sanguinolenta, 426, 428
Phoebe, Eastern, 29
Phoenicircus, 425
 carnifex, 425, 426
 nigricollis, 426
Phoeniconaias minor, 165-166
Phoenicopteriformes, 479
Phoenicopterus chilensis, 119
 ruber, 165
Pica nuttalli, 53
 pica, 104, 377, 445, 449
Picidae, 314, 428
Piciformes, 167
Picoides arcticus, 184
Picus viridus, 429
Pigeon, Band-tailed, 418
 Cape, 82
 Red-billed, 371
Pinowski, Jan, see Myrcha, Andrzej, and —
Pintail, 104, 150, 321, 449
Pipile jacutinga, 106
Pipilo aberti, 432
 erythrophthalmus, 29, 187, 199, 328, 370, 418,
 457
 fuscus, 29, 201, 203, 328, 475
Pipit, Sprague's, 244
 Water, 104, 244
Pipra aureola, 428
Pipreola whitleyi, 426
Pipridae, 428
Pipromorpha oleaginea, 46
Piranga flava, 230, 328
 ludoviciana, 184, 200, 419
 rubra, 116, 230
 rubra cooperi, 230-232
 rubra ochracea, 232
 rubra rubra, 230-232
Plautus alle alle, 167
Plectrophenax hyperboreus, 111
 nivalis, 111
Ploceidae, 19
Ploceus philippinus, 190
Plover, Black-bellied, 242
 Semipalmated, 104, 481
Pochard, Rosy-billed, 362
Podager nacunda, 237
Podargus ocellatus, 332-338
 strigoides, 332, 337
Podiceps auritus, 104, 376
 caspicus, 166, 376
 grisegena, 104
 occipitalis, 361
Podicipediformes, 166
Podilymbus podiceps, 166
Poephila castanotis, 50, 58
 gouldiae, 424
Polioptila caerulea, 328
 melanura, 432
Poocetes gramineus, 29, 487
Poor-will, 184, 225, 237, 328, 432, 496-497
Porphyrolaema, 429
 porphyrolaema, 426
Porzana carolina, 165-166
Power, Dennis M., Geographic variation in the
 surface/volume ratio of the bill of Red-
 winged Blackbirds in relation to certain
 geographic and climatic factors, 299-304
Pratt, Helen M., Breeding biology of Great Blue
 Hérons and Common Egrets in central Cali-
 fornia, 407-416
Procellariiformes, 80-82, 84, 166
Progne chalybea chalybea, 368
 chalybea domestica, 368-369
 domestica elegans, 368
 modesta, 369
 modesta elegans, 368
 murphyi, 369
Psaltriparus minimus, 328, 418
Pseudogyps africanus, 166
Psittaciformes, 167
Psittirostra bailleui, 238
Ptarmigan, Willow, 104
Pterodroma alba, 83
 barau, 83
 caribbaea, 83
 cooki, 83
 externa, 83
 hasitata, 83
 (*hasitata*) *cahon*, 82
 inexpecta, 83
 mollis, 83
 neglecta, 83
 phaeopygia, 76, 83
 phaeopygia phaeopygia, 76
 phaeopygia sandwichensis, 76
 solandri, 83
Pteroglossus torquatus, 371-372
Ptychoramphus aleutica, 491
Puffin, Tufted, 491
Puffinus griseus, 166
 lherminieri, 83, 366
 pacificus, 77
 puffinus, 82
 subalaris, 366
 tenuirostris, 82
Pyrocephalus rubinus, 428, 488, 490

- Pyroderus, 429
 scutatus, 424-425, 428
 Pyrrhula pyrrhula, 175, 450
- Q
- Quail, Bobwhite, 283
 California, 84-87, 276-286, 456-457
 Douglas, 85-87
 Gambel, 85-87, 222, 244, 283, 285, 432, 445, 475
 Harlequin, 328
 Japanese, 99
 Mountain, 85-86, 184
 Scaled, 85, 87
 Scaled \times California, 87
 Querula, 429
 purpurata, 424-425
 Quiscalus major, 328
 mexicanus, 37-38, 238
 quiscalus, 238
- R
- Rail, Guam, 316-323
 Sora, 165
 Rallidae, 316, 322-324
 Rallus, 151
 owstoni, 316
 Ramphastos vittellinus, 235-236
 Ramsey, Jed J., Temperature changes in Chimney Swifts (*Chaetura pelagica*) at lowered environmental temperatures, 225-229
 Raven, Common, 104, 113
 Rayadito, Thorn-tailed, 363
 Rea, Amadeo M., Status of the Summer Tanager on the Pacific slope, 230-233
 Recurvirostra avosetta, 222
 Red-Cotinga, Black-necked, 426
 Guianan, 425
 Redpoll, Common, 61, 104, 125, 128
 Hoary, 61, 125, 128
 Redstart, Painted, 328
 Regulus calendula, 184, 199-200, 419
 satrappa, 184, 419
 Retfalvi, Laszlo, Food of nesting Bald Eagles on San Juan Island, Washington, 358-361
 Richards, Gerald L., American Kestrel, *Falco sparverius*, exhibits relic nest building behavior, 476
 Richmondena cardinalis, 33, 370
 Riparia riparis, 104
 Rissa tridactyla, 104, 111, 134, 355
 Roadrunner, 244, 431-432, 475-476
 Robin, 184-188, 206-207, 243, 328, 330, 418, 456-457, 459, 499-500
 Roseneau, David G., see White, Clayton M., and —
 Rostrhamus sociabilis, 492
 Rupicola, 429
 rupicola, 424, 428
- S
- Sanderling, 362-363
 Sandpiper, Baird's, 362
 Buff-breasted, 243
 Least, 104
 Pectoral, 213, 242
 Spotted, 343, 350, 353
 Stilt, 484
 Western, 112
 White-rumped, 362
 Sands, James L., First record of the Black Brant (*Branta nigricans*) for New Mexico, 110
 Sanger, Gerald A., The seasonal distribution of some seabirds off Washington and Oregon, with notes on their ecology and behavior, 339-357
 Sapsucker, Red-breasted, 241, 312-314
 Red-naped, 310, 312-314
 Williamson's, 184-186, 241, 310-312
 Williamson's \times Red-naped, 310, 314
 Yellow-bellied, 184-186, 241, 312-313, 418
 Sarcoramphus papa, 247-248
 Sayornis nigricans, 488-490
 phoebe, 29, 46, 488
 saya, 490
 Scardafella inca, 145, 167, 271
 Scaup, Greater, 108
 Lesser, 108, 370-371
 Schreiber, Ralph W., Breeding biology of Western Gulls (*Larus occidentalis*) on San Nicolas Island, California, 1968, 133-140
 Schwab, Robert G., Light-induced prolongation of spermatogenesis in the European Starling, *Sturnus vulgaris*, 466-470
 Scolopacidae, 224
 Scoter, Common, 104
 Surf, 359, 474
 White-winged, 104
 Seedeater, Variable, 61
 Yellow-bellied, 61
 Seiurus aurocapillus, 367
 Selander, Robert K., Parental feeding in a male Great-tailed Grackle, 238
 Selasphorus, 209
 platycercus, 167, 234, 328
 rufus, 167, 184, 209
 sasin, 209-212
 Setophaga picta, 328
 Shearwater, Audubon's, 82, 366
 Manx, 82
 Short-tailed, 82
 Wedge-tailed, 77
 Sheldgoose, 147, 151
 Short, Lester L., Jr., Mid-Pleistocene birds from western Nebraska, including a new species of Sheldgoose, 147-152
 Short, Lester L. [Jr.], and John J. Morony, Jr., A second hybrid Williamson's \times Red-naped Sapsucker and an evolutionary history of sapsuckers, 310-315
 Shoveller, 150
 Red, 361
 Shrike, Loggerhead, 17, 432
 Northern, 104
 Sialia currucoides, 184, 498
 mexicana, 200, 418
 sialis, 328
 Sibley, Charles G., and Herbert T. Hendrickson, A comparative electrophoretic study of avian plasma proteins, 43-49
 Sibley, Fred C., Winter wing molt in the Western Grebe, 373
 Sick, Helmut (with comments by D. Amadon), Notes on Brazilian Cricidae, 106-108
 Siskin, Pine, 184
 Yellow-bellied, 105
 Sitta canadensis, 125, 184, 243, 328, 419
 carolinensis, 169, 184, 199-200, 418
 pusilla, 129
 pygmaea, 129, 184, 328
 Smith, Dwight G., Charles R. Wilson, and Herbert H. Frost, Fall nesting Barn Owls in Utah, 492

- Smith, E. Linwood, Cactus Wrens attack ground squirrel, 363-364
- Smith, Neal G., Nesting of King Vulture and Black Hawk-Eagle in Panamá, 247-248
- Smith, Susan M., "Foot-trembling" feeding behavior by a Killdeer, 245
- Smith, W. John, Courtship and territorial displaying in the Vermilion Flycatcher, *Pyrocephalus rubinus*, 488-491
- Snipe, Common, 104, 223
- Snow Bunting, Common, 111
McKay's, 111
- Snyder, Helen A., see Snyder, Noel F. R., and —
- Snyder, Noel F. R., and Helen A. Snyder, Feeding territories in the Everglade Kite, 492-493
- Soikkeli, Martti, First record of the Fieldfare on American continent, 480
- Solitaire, Townsend, 184, 186, 418
- Somateria spectabilis, 110
- Sparrow, Black-throated, 24-26, 29-35, 265, 271-273, 289-292, 433
Brewer's, 184-186, 487
Chipping, 184-186, 327-328, 330, 370, 419
English, 466
European Tree, 175-179
Field, 61, 370
Fox, 104, 184-186, 369-370, 418, 457
Golden-crowned, 104, 457
Green-backed, 61
Harris', 101
House, 45, 61, 129, 176, 178-179, 206-207, 240, 258, 363, 449, 457, 475-476, 492
Lark, 29, 327-328
Lincoln's, 29
Nevada Savannah, 289
Rufous-crowned, 29, 328
Sage, 34-35, 265-274
Savannah, 104, 272, 289, 290
Song, 29, 33, 95, 97, 222, 288, 418, 457
Tree, 29, 61, 370
Vesper, 29, 487
White-crowned, 57, 62, 104, 176, 211, 370, 449
White-throated, 61, 66-67, 71-72, 74, 116-119, 162
- Spatula clypeata, 150
- Speotyto cunicularia, 252, 259
cunicularia hypugaea, 252-255
- Spermestidae, 19
- Sphyrapicus nuchalis, 310-314
ruber, 310, 312-314
thyroideus, 167, 184, 241, 310-314
varius, 167, 184, 198, 241, 310, 312-314
varius ruber, 418
- Spinus pinus, 184
tristis, 419
xanthogaster, 104
- Spiza americana, 61
- Spizaetus tyrannus, 247-248
- Spizella arborea, 29, 61, 370
breweri, 184, 487
passerina, 184, 328, 370, 419
pusilla, 61, 370
- Spizocorys starki, 265
- Spodiornis rusticus, 105
rusticus barrilesensis, 105
- Sporophila aurita, 61
nigricollis, 61
- Squatarola squatarola, 242
- Stafford, Mary A., see Carpenter, Roger E., and —
- Starling, 199, 457, 492
European, 466-469
- Starthroat, Plain-capped, 5
- Steganopus tricolor, 167, 363
- Stellula calliope, 184, 234
- Stercorariidae, 251
- Stercorarius longicaudus, 353, 366
parasiticus, 104
- Sterna albifrons, 460
aleutica, 460
dougallii, 460
eurygnatha, 89, 93
forsteri, 460, 484
fuscata, 372, 460
hirundinacea, 89, 363
hirundo, 460, 484
maxima, 246
paradisaea, 104, 363, 460, 464
sandvicensis acuflavida, 89
sandvicensis eurygnatha, 89
vittata, 363
- Stevenson, John, see Enderson, James H., and —
- Stork, Wood, 62
- Storm Petrel, Black-bellied, 361
Madeiran, 82
- Streptopelia decaocto, 45
risoria, 21, 271
- Strigiformes, 167, 251, 256
- Strix, 252, 262
nebulosa nebulosa, 253-256, 258-259
occidentalis, 253-256
varia varia, 253-257, 259
- Struthio camelus, 164-166, 337
- Struthioniformes, 166
- Sturnella magna, 305
magna alticola, 306, 308-309
magna auropectoralis, 306-308
magna griscomi, 305-306, 308
magna hoopesi, 305, 307-309
magna inexpectata, 306-309
magna lilianae, 305, 307-309
magna mexicana, 305-306, 308-309
magna saundersi, 306, 308-309
neglecta, 305
- Sturnus vulgaris, 113, 199, 457, 466, 469, 492
- Sula dactylatra, 484
leucogaster, 484
sula, 483
- Surfbird, 242
- Surnia ulula caparoch, 253-255, 257, 259
- Swallow, Bank, 104, 498
Blue-and-white, 363
Chilean, 363
Cliff, 184
Tree, 103, 184, 363
Violet-green, 103
- Swan, Black-necked, 361
Trumpeter, 377-378
Whistling, 104, 474
- Swift, Chimney, 225-228
European, 225
Great Swallow-tailed, 108
Vaux, 184
White-throated, 225, 228
- Syrnaticus reevesii, 61

T

- Tachycineta bicolor, 363
leucopyga, 363
thalassina, 103
- Tadorna, 148-150
casarca, 149

- Taeniopygia castanotis*, 61, 125, 265, 289-290
 Talbot, Sharon, see Lustick, Sheldon, and —
 Tanager, Blue-gray, 375
 Crimson-collared, 428
 Hepatic, 328
 Silver-beaked, 375
 Summer, 116-119, 230-232
Tangavius aeneus, 500, 501
 aeneus milleri, 501
 Tattler, Wandering, 104
 Taylor, Walter Kingsley, Molts of the Verdin, *Auriparus flaviceps*, 493-496
 Teal, Blue-winged, 60-61, 153-162, 291
 Cinnamon, 474
 Common, 108
 Green-winged, 104
 Speckled, 361
Telmabates antiquus, 479-480
 howardae, 479-480
 Telmabatidae, 479
Telmatodytes palustris griseus, 179
 Templeton, James R., see Mugaas, John N., and —
Terenotriccus erythrurus, 46
 Tern, Antarctic, 363
 Arctic, 104, 363, 464
 Black, 500
 Caspian, 460-465, 485
 Cayenne, 89-94, 485
 Common, 484-485
 Forster's, 484-485
 Gray-backed, 372
 Gull-billed, 463, 484
 Royal, 246, 461, 483, 485
 Sandwich, 484-485
 Sooty, 372-373
 South American, 363
Thalasseus eurygnathus, 89, 485
 maximus, 460-461, 483
 sandvicensis, 460, 484-485
Thamnophilus doliatus, 375
 Thapliyal, J. P., and K. Bageshwar, Light responses of thyroidectomized Common Weaver Birds, *Ploceus philippinus*, 190-195
 Thrasher, Bendire's, 366
 Brown, 109
 Crissal, 328, 432-433
 Curve-billed, 244-245, 366, 475
 Le Conte's, 432
 Sage, 486-488
 Thraupidae, 428
Thraupis episcopus, 375
 Thrush, Gray-cheeked, 116-119, 243
 Hermit, 104, 184-186, 243, 458
 Red-billed, 479
 Swainson's, 116-119, 243
 Varied, 243, 419, 452-453, 457-459
 Wood, 458
Thryomanes bewickii, 328, 418, 432
Thryothorus semibadius, 105
 Thut, Rudolph N., Feeding habits of the Dipper in southwestern Washington, 234-235
Tinamus solitarius, 106
 Titmouse, Bridled, 327-328
 Plain, 199-201, 203, 327-328, 496
Todirostrum, 375
Totanus flavipes, 242
 melanoleucus, 104, 167, 242
 Toucan, Channel-billed, 235-236
 Tovar S., Humberto, and N. Philip Ashmole, A breeding record for the Gray-hooded Gull, *Larus cirrocephalus*, on the Peruvian coast, 119-122
 Towhee, Abert's, 432
 Brown, 29, 201, 203, 328, 475
 Green-tailed, 184-186
 Rufous-sided, 29, 33, 187, 199, 328, 418, 457
Toxostoma bendirei, 355-367
 curvirostre, 244, 366-367, 475
 dorsale, 328, 432
 lecontei, 432
 rufum longicauda, 109
 Tramontano, John P., Winter observations of the Short-tailed Albatross in the western Pacific Ocean, 122
Tringa melanoleuca, 362
 nebularia, 222
 Trochilidae, 1
Troglodytes aedon, 125, 184, 375
 troglodytes, 104, 419
 Tropicbird, White-tailed, 83, 483
 Trost, Charles H., see Bartholomew, George A., and —
Tryngites subruficollis, 243
Turdus chrysolaus chrysolaus, 479
 iliacus, 45
 merula, 449
 migratorius, 184, 206, 243, 328, 418, 457, 499
 pilaris, 480
 Turkey, 150, 328
 Turnstone, Black, 104
 Ruddy, 372, 373
 Tyrannidae, 46, 428
Tyrannulus elatus, 45-46
Tyrannus, 41-42
 melancholicus, 38, 41
 tyrannus, 488
 verticalis, 37-42, 328, 432
 vociferans, 41, 328
Tyrannus × *Muscivora*, 37, 39-40
Tyto alba, 463, 492
 alba pratincta, 253-256, 259-260

U

- Uhler, Francis M., and Louis N. Locke, A note on the stomach contents of two Whooping Cranes, 246
Uria aalge, 111, 167, 355, 359
 lomvia, 111

V

- Vanellus vanellus*, 245
 Veery, 116-119
 Verdin, 431-432, 493-496
Vermivora celata, 419
 luciae, 432
 ruficapilla, 184
Vireo bellii, 328, 432
 gilvus, 419
 huttoni, 328, 418
 solitarius, 184, 328, 419
 vicinior, 328
Vireo, Bell's, 328, 432
 Gray, 327-328
 Hutton's, 328, 418, 420
 Solitary, 184, 186, 328, 330, 419
 Warbling, 419
Volatinia jacarina, 61
 Vulture, King, 247
 Turkey, 184, 244-245, 418, 420

W

- Waldman, M., A third specimen of a Lower Cretaceous feather from Victoria, Australia, 377

- Warbler, Audubon's, 184-186, 418
 Black-throated Blue, 109
 Black-throated Gray, 327-328, 330, 419
 Chestnut-sided, 116-119
 Connecticut, 373
 Grace's, 328, 330
 Hooded, 109, 374
 Kentucky, 373
 Lucy's, 432
 MacGillivray's, 184, 419
 Mourning, 373
 Myrtle, 116-119
 Nashville, 184-186
 Wilson's, 104, 419
 Yellow, 104, 184, 419, 420
 Yellow-throated, 473
- Waxbill, Black-rumped, 125, 128-129
 Waxwing, Cedar, 418, 428, 429, 499
 Weaver Bird, Common, 190-194
 Webster, Fred S., Jr., see Davis, L. Irby, and —
 Whimbrel, 242, 372
 Whip-poor-will, 237, 328
 Ridgway's, 237
- White, Clayton M., and David G. Roseneau, Observations on food, nesting, and winter populations of large North American falcons, 113-115
- White-eye, 240, 481
 Widgeon, American, 104
 Southern, 361
- Wiens, John A., see Moldenhauer, Ralph R., and —
 Willet, 112, 222-223
- Willson, Mary F., Foraging behavior of some winter birds of deciduous woods, 169-174
- Wilson, Charles R., see Smith, Dwight G., and —
 Wilson, Fred E., see Donham, Richard S., and —
 Wilsonia, 373
 canadensis, 374
 citrina, 109, 374
 pusilla, 104, 419
- Wolf, Larry L., The impact of seasonal flowering on the biology of some tropical hummingbirds, 1-14
- Won, Pyong-oh, Noteworthy bird records from Korea, 479
- Woodcreeper, Buff-throated, 233
 Plain-brown, 233
 Spix's, 233
 Straight-billed, 233
- Woodpecker, Acorn, 196-199, 202-204, 313, 329
 Arizona, 329
 Black-backed Three-toed, 184-186
 Downy, 169-174, 242, 418
 Hairy, 184-186, 200, 418
 Ladder-backed, 431-432
 Lewis', 196, 198, 203-204
 Pileated, 184, 418, 428
 Red-bellied, 169-174
 Red-headed, 170-173, 196, 198, 203-204, 313
 Rufous-bellied Pied, 479
 White-headed, 184, 186
- Wren, Bewick's, 327-329, 418, 432
 Cactus, 273, 363-364, 432-433
 House, 125, 128, 184-186, 375
 Long-billed Marsh, 179
 Riverside, 105
 Winter, 104, 419
- Wren-thrush, 499
 Wrentit, 201
- X
- Xanthocephalus xanthocephalus, 458
 Xema sabini, 104
 Xiphidiopicus percussus, 313
 Xipholena, 425, 429
 punicea, 425, 429
 Xiphorhynchus guttatus, 233
 picus, 233
 spixii, 233
- Y
- Yellowlegs, Greater, 104, 242, 363
 Lesser, 242
 Yellowthroat, Black-pollled, 95
 Orizaba, 95
- Z
- Zar, Jerrold H., On the fitting of equations relating avian standard metabolism to body weight, 247
- Zeledonia coronata, 499
 Zenaida asiatica, 167, 371, 432
 asiatica mearnsi, 109
 asiatica peninsulæ, 371
 Zenaidura macroura, 167, 184, 201, 203, 271, 291, 328, 432
- Zimmerman, Dale A., Roadrunner predation on passerine birds, 475-476
- Zonotrichia albicollis, 61, 66, 116, 162, 370
 atricapilla, 104, 457
 leucophrys, 57, 104, 271, 370
 leucophrys gambelii, 62, 176
 leucophrys nuttalli, 449
- Zosterops albogularis, 481-482
 lateralis, 481-482
 lateralis lateralis, 481-482
 lateralis tephroleura, 481-482
 palpebrosa japonica, 240
 tenuirostris, 481-482
- Zosterops lateralis × Zosterops tenuirostris, 481