

INDEX TO VOLUME 68

By JANE R. DURHAM

A

- Abbott, Waldo G., little blue heron at Santa Barbara, California, 103
- Acanthis flammea, 103, 193
 flammea flammea, 193
 flammea holboellii, 193, 194
 hornemannii, 193
 hornemannii exilipes, 193
 hornemannii hornemannii, 193
- Accipiter, 139, 142
 cooperii, 139, 179, 265
 gentilis, 138, 338, 341, 344, 346, 518
 gentilis atricapillus, 139
 nisus, 346
 striatus, 139, 170, 338, 344
 striatus striatus, 139
 striatus velox, 139, 178
- Actitis macularia, 88, 97, 302
- Aechmophorus occidentalis, 135, 137, 397
- Aechmorhynchus, 293
- Aegolius, 474
 funereus, 299
 funereus richardsoni, 299, 300
- Aëronautes saxatalis, 171, 180
- Aethia, 504, 505
 cristatella, 504
 pusilla, 504
- Agapornis, 399, 567
- Agelaius phoeniceus, 141, 172, 193, 273, 321, 477, 481, 512
 phoeniceus arctolegus, 193
- Aimophila botterii, 105
 botterii, 400
 carpalis, 400, 402
 cassinii, 400
 ruficeps, 214
- Aix sponsa, 396
- Albatross, Black-footed, 241, 533
 Laysan, 229–242, 533
 Wandering, 94, 268
- Alca, 209
- Alectoris graeca, 75, 373, 546
- Amadon, Dean, avian plumages and molts, 263; confused nocturnal behavior of (? California) gulls, 397
- Amazilia leucogaster, 51
 rutila, 249, 250
- Amazona ochrocephala, 250
- Ammodramus savannarum, 103, 105
- Ammoperdix heyi, 347
- Ammospiza caudacuta, 402
- Amphispiza belli, 449
 bilineata, 447–458, 557
 bilineata deserticola, 447–458
- Anabacerthia striaticollis, 59

Anas, 517

- acuta, 50, 163, 170, 186
 carolinensis, 50
 carolinensis, 170, 302
 clypeata, 170
 cyanoptera, 50
 discors, 86, 97, 185, 322
 laysanensis, 268
 platyrhynchos, 50, 170, 267, 301, 322
 rubripes, 396
 strepera, 185

Anderson, Kathleen S., and Baird, James, Gambel's white-crowned sparrow collected in Massachusetts, 601

Andrle, Robert F., North American migrants in the Sierra de Tuxtla of southern Veracruz, México, 177

Andrle, Robert F., and Axtell, Harold H., Curlew sandpiper in Ontario, 300

Androdon aequatorialis, 137

- Anhinga, 318, 319
 anhinga, 317, 318
 laticeps, 317–319
 nana, 318
 novaehollandiae, 315, 317–319
 pannonicus, 318
 parva, 315, 317, 319
 parvus, 315

Anser albifrons, 185, 305

Anthropoïdes paradisea, 51

Anthus spinolletta, 167, 172

Ant-Tanager, Black-cheeked, 56

- Crested, 56–71
 Red-crowned, 56, 61, 62, 69
 Red-throated, 56, 61, 69
 Sooty, 56

Antwren, Slaty, 65

Aphantochroa cirrochloris, 51

Aphelocoma coerulescens, 488

Aphriza virgata, 88

Aptenodytes forsteri, 49

- patagonica, 49

Apteryx, 263, 464

- australis, 50

- oweni, 465

Apus apus, 335

Aquila chrysaëtos, 170, 338, 344, 497, 517

- rapax, 344

- verreauxi, 344

- wahlbergi, 344

Araçari, Curl-crested, 263

Aratinga, 399, 570

- astec, 568, 570, 578

- canicularis, 399, 400, 563, 566–568, 570, 578

Archaeopteryx, 268, 270, 469

- Archilochus alexandri, 53
Ardea herodias, 50
Arenaria interpres, 88, 97, 188, 293
 melanocephala, 188
 Arnold, John R., Failing, Robert, Guggolz, Jack,
 and Parmeter, Benjamin D., adult little
 blue heron on San Pablo Bay, California,
 103
 Asio, 475
 flammeus, 475, 519
 otus, 171, 475
Atlapetes brunnnei-nucha, 63
 tricolor, 59, 63
 Auk, Great, 209
Auklet, Cassin, 209, 216, 401
 Axtell, Harold H., and Andrle, Robert F., Curlew
 sandpiper in Ontario, 300
Aythya affinis, 50, 322
 americana, 186, 302, 322
 collaris, 186
 valisineria, 163
- B**
- Bailey, Edgar P., abundance and activity of starlings in winter in northern Utah, 152
 Baird, James, and Anderson, Kathleen S., Gambel's white-crowned sparrow collected in Massachusetts, 601
 Baldwin, Paul H., and Koplin, James R., the boreal owl as a Pleistocene relict in Colorado, 299
 Banks, Richard C., and Bostic, Dennis L., a record of stingray predation by the brown pelican, 515
 Baptista, Luis F., albinistic feathers in storm petrels (Hydrobatidae), 512
 Barbet, Red-headed, 62
 Bartholomew, George A., the role of behavior in the temperature regulation of the masked booby, 523
 Bartholomew, George A., and Lasiewski, Robert C., evaporative cooling in the poor-will and the tawny frogmouth, 253
 Bartholomew, George A., and Smyth, Michael, the water economy of the black-throated sparrow and the rock wren, 447
 Bartonek, James C., trumpeter swan in Utah, 521
Bartramia, 293
 longicauda, 189
Basileuterus melanogenys, 520
 tristriatus, 62, 63
Bateleur, 338, 339, 343, 344, 346, 349
 Bédard, Jean, new records of alcids from St. Lawrence Island, Alaska, 503
 Behle, William H., noteworthy records of Utah birds, 396
 Behle, William H., and Lies, Michael F., status of the white pelican in the United States and Canada through 1964, 279
 Bendell, J. F., and Elliott, P. W., habitat selection in blue grouse, 431
 Berger, Andrew J., survival in the wild of hand-reared passerine birds, 304
 Billeb, Stephen L., Lévéque, Raymond, and Bowman, Robert I., migrants in the Galápagos area, 81
 Bird of Paradise, King of Saxony's, 263
 Blackbird, Brewer's, 141, 172, 175, 512
 Redwinged, 141, 172, 193, 217, 273, 321, 323, 328, 331, 332, 336, 402, 512
 Rusty, 192, 596
 Yellow-headed, 172, 175, 321-337
 Blackgame, 492, 494, 495
 Bluebird, Eastern, 214, 217, 351, 353, 359, 364, 365
 Mountain, 170, 172, 174, 192, 351-371
 Bobolink, 93, 94, 98, 516, 595
 Bobwhite, 73, 75, 77, 551
Bombycilla cedrorum, 181, 307
Bonasa umbellus, 272, 372, 488
 umbellus brunneescens, 444
 Booby, Blue-footed, 87
 Brown, 95
 Masked, 523-535
 Red-footed, 531
 Bostic, Dennis L., and Banks, Richard C., a record of stingray predation by the brown pelican, 515
Botaurus, 263
 Bowman, Robert I., Billeb, Stephen L., and Lévéque, Raymond, migrants in the Galápagos area, 81
Brachyramphus, 504
 brevirostre, 504
 marmoratum, 504
 marmoratum marmoratum, 504
 Brambling, 601
 Brand, Leonard R., and Futcher, Anthony G., noteworthy records of shearwaters in the Gulf of California, 600
Branta canadensis, 50, 185, 587
 Brigham, James H., Buss, Irven O., and Zwickel, Fred C., autumn weights of blue grouse in north-central Washington, 1954 to 1963, 488
 Bristlehead, Bornean, 268
 Brotoegeris, 565
 chrysopterus, 568
 cyanoptera, 568
 jugularis, 399, 562-581
 pyrrhopterus, 568
 st. thoma, 568, 570
 versicolorus, 565, 568, 577
 versicolorus versicolorus, 576
Bubo virginianus, 51, 171, 266
Bubulcus ibis, 85, 97
 Buchanan, O. Marcus, homosexual behavior in wild orange-fronted parakeets, 399
 Budgerygah, 456

- Bulweria bulwerii, 95
 Bunting, Indigo, 136, 214
 Lazuli, 214
 Painted, 183
 Snow, 40, 271, 597, 598
 Buss, Irven O., Zwickel, Fred C., and Brigham,
 James H., autumn weights of blue grouse
 in north-central Washington, 1954 to 1963,
 488
 Buteo, 142
 albicaudatus, 301
 albonotatus, 104
 harlani, 187
 jamaicensis, 170, 187, 338, 341, 344
 lagopus, 170
 platypterus platypterus, 179
 regalis, 170
 rufofuscus, 344
 swainsoni, 179
 Buteogallus urubitinga ridgwayi, 515
- C**
- Cade, Tom J., and Greenwald, Lewis, nasal salt
 secretion in falconiform birds, 338
 Calcarius lapponicus, 40, 597
 ornatus, 598
 Calidris, 3, 11, 12, 30–33, 39, 42, 43, 293
 alba, 30, 33
 alpina, 3–46
 alpina alpina, 29
 alpina pacifica, 5–46
 alpina schinzii, 29, 32
 bairdii, 10, 11, 26, 30, 32, 38
 canutus, 30, 293
 ferruginea, 10
 maritima, 10, 33
 mauri, 27, 33
 melanotos, 3, 10–12, 14, 16, 17, 21, 26, 30, 32,
 38–43
 minuta, 11, 31, 32
 minutilla, 33
 pusilla, 11, 26, 33, 38
 temminckii, 11
 Callipepla squamata, 558
 Calypte anna, 53
 costae, 53
 Camarhynchus pallidus, 130
 Campephilus principalis, 142
 Campostoma imberbe, 250
 Campylorhamphus pusillus, 63
 Campylorhynchus, 141, 142
 Canachites canadensis, 373, 488
 Canvasback, 163
 Capella, 294, 296, 297
 gallinago, 171, 293, 295–297
 Capercaillie, 373, 492, 494, 495
 Capito boucierii, 62, 63
 Caprimulgus carolinensis, 180
 vociferus, 180
 vociferus arizonae, 213
- Caracara cheriway, 250
 Yellow-headed, 338, 340, 345
 Cardellina rubrifrons, 214, 402
 Cardinal, 304, 305
 Carpodacus cassini, 172
 mexicanus, 391, 456
 purpureus, 265
 Casmerodius albus, 85, 516
 Cassidix mexicanus, 179, 596
 mexicanus nelsoni, 596
 Casuarius, 50, 463
 bennetti, 464
 Catbird, 217
 Catharacta skua, 51
 Cathartes, 297
 aura, 49, 104, 250
 Catharus gracilorostris, 520
 Catoptrophorus semipalmatus, 51, 97
 semipalmatus inornatus, 90
 Catoptrophorus semipalmatus, 89
 Centrocercus, 443
 urophasianus, 373
 Centurus, 113–119, 121, 122, 128–130
 aurifrons, 113, 115–123, 127–129
 aurifrons aurifrons, 114, 116, 118, 146
 carolinus, 114, 117
 hypopolius, 114
 pucherani pucherani, 114
 radiolatus, 129
 striatus, 113–132, 146
 superciliaris, 129
 uropygialis, 115, 196
 uropygialis brewsteri, 114
 Cephus, 209, 505
 columba, 503
 grylle, 51, 601
 grylle mandtii, 503
 Certhia familiaris, 192
 Certhidea, 130
 olivacea, 135
 Chamaea fasciata, 225
 Chaniot, George F., Jr., another California speci-
 men of *Pluvialis dominica fulva*, 212
 Charadrius alexandrinus, 212
 hiaticula, 88
 semipalmatus, 87, 88, 97, 212
 vociferus, 51, 171, 188, 302
 Chat, Palm, 122, 125
 Chen caerulescens, 185
 hyperborea, 185
 Chickadee, Black-capped, 213
 Chestnut-backed, 164
 Mountain, 173, 357, 367, 370
 Chicken, Domestic, 50
 Greater Prairie, 538
 Lesser Prairie, 538
 Prairie, 443
 Childs, Henry E., Jr., probable nesting of the
 starling on San Clemente Island, Califor-
 nia, 104

- Chionis, 460
Chlidonias niger surinamensis, 179
Chlorestes notatus, 51
Chlorochrysa, 61
 nitidissima, 63
Chlorospingus canigularis, 63
Chlorothraupis stolzmanni, 59
Chlorura chlorura, 173
Chordeiles, 96, 97, 260
 acutipennis, 96
 minor, 52, 96, 171, 247, 253, 301
 minor chapmani, 301
 virginianus chapmani, 301
Chryserpes, 116
Chuck-will's-widow, 52, 180
Chukar, 75, 78, 373, 546, 547, 558, 560
Chura, Nicholas J., Stewart, Paul A., and Locke,
 Louis N., spermatogenesis in bald eagles
 experimentally fed a diet containing DDT,
 497
Cinclocerthia ruficauda, 133
 ruficauda ruficauda, 135
Cinclus cinclus, 107
 mexicanus, 107, 172
Circus cyaneus, 170, 302, 366, 518
Cistothorus platensis, 105
Clangula hyemalis, 140, 268, 516
Clark, George A., Jr., and Parkes, Kenneth C.,
 an additional character linking ratites and
 tinamous, and an interpretation of their
 monophyly, 459
Clytolaema rubricauda, 51
Coccyzus americanus, 179
 minor, 250
Colaptes auratus, 171
 cafer, 171, 367
Colibri serrirostris, 51
Colinus virginianus, 73
Colius, 269
Columba, 567
 flavirostris, 250
Columbigallina passerina, 250
 talpacoti, 401
Columbina passerina, 243–248
 talpacoti, 243
Condor, 270
Condor, California, 291
Conothraupis speculigera, 598, 599
Contopus sordidulus, 303
 virens, 180
Coot, American, 187, 322
Coragyps, 297
Cormorant, Great, 265
 Pied, 315
Corvus brachyrhynchos, 366
 corax, 142, 171
Cowbird, Bronzed, 596
 Brown-headed, 141, 172, 175, 273, 305
Crake, Gray-breasted, 105, 106
 Ruddy, 105
Crane, Whooping, 291
Cranioleuca erythrops, 63
Creeper, Brown, 192
Crocethia alba, 91, 97, 190
Crossbill, White-winged, 194
Crow, Common, 366, 370
Crypturellus soui, 460
Cuckoo, Striped, 401
 Yellow-billed, 179
Cuello, Juan, first specimens of *Buteo albicau-*
datus and *Chordeiles minor* in Uruguay,
 301
Curlew, Eskimo, 88
Cyanocitta stelleri, 104, 269
 stelleri frontalis, 104
Cyanocorax dickeyi, 268
Cyanolyca viridicyana, 402
Cyanomitra thomensis, 133, 135
Cycclarhis nigrirostris, 63
Cyclorrhynchus, 505
 psittacula, 504
Cygnus buccinator, 50
Cynanthus latirostris, 249, 250
Cyphorhinus thoracicus, 63, 65
- D**
- Daption*, 83
 capensis, 50, 83, 96
DeBenedictis, Paul A., the bill-brace feeding be-
 havior of the Galápagos finch *Geospiza*
conirostris, 206; the flight song display of
 two taxa of vermilion flycatcher, genus
Pyrocephalus, 306
DeBenedictis, Paul, McCaskie, Guy, and Stallcup,
 Richard, notes on the distribution of cer-
 tain icterids and tanagers in California,
 595
Dendragapus obscurus, 170, 373, 431–446, 488–
 496
 fuliginosus, 431–446
 pallidus, 488, 494
 richardsonii, 443
Dendrocopos pubescens, 51, 142
 scalaris, 115, 250
 scalaris symplectus, 213
 villosus, 128, 310
 villosus leucothorectis, 128
 villosus villosus, 128
Dendrocygna autumnalis, 86, 97
 autumnalis discolor, 86
 bicolor, 86
Dendroica, 130, 267
 auduboni, 172, 182
 auduboni memorabilis, 182
 cerulea, 182
 dominica, 517
 dominica albilora, 182
 fusca, 63, 130, 182, 517
 magnolia, 182

- nigrescens, 182
 occidentalis, 182
 pensylvanica, 182
 petechia, 304
 tigrina, 130, 177, 182
 townsendi, 192
 virens virens, 182
- Dickcissel, 377-387, 587
- Dickerman, Robert W., a new subspecies of the Virginia rail from México, 215
- Dicrurus paradiseus, 263
- Dioch, Black-faced, 132
- Diomedea, 94
 epomophora, 94
 exulans, 50, 94, 268
 immutabilis, 50, 229-242, 533
 irrorata, 94
 nigripes, 50, 533
- Dipper, American, 107, 172
 European, 107
- Dolichonyx oryzivorus, 93, 97, 516, 595
- Dove, Ground, 243-248
 Inca, 396, 402
 Mourning, 171, 247, 366, 391, 456
 Ruddy Ground, 401
- Dovekie, 209, 504, 505
- Dowitcher, Long-billed, 136, 163, 164, 190
 Short-billed, 90, 136, 163, 600
- Dromiceius novaehollandiae, 50, 463
- Drongo, Greater Racket-tailed, 263
- Dryocopus pileatus, 308
- Duck, Black, 396
 Black-bellied Tree, 86
 Domestic, 50
 Mallard, 170, 175, 267, 268, 301, 322, 500
 Oldsquaw, 140, 268, 516
 Pintail, 163, 170
 Redhead, 186, 302, 322
 Ring-necked, 186
 Ruddy, 186, 322
 Wood, 396
- Dulus dominicus, 122
- Dunlin, 3, 25, 29, 189, 190, 600
- Dysithamnus mentalis, 63
- E**
- Eagle, Bald, 266, 497-502
 Golden, 170, 173, 174, 338, 497, 517-519
- Easterla, David A., first specimen of the summer tanager in Utah, 210
- Egret, Cattle, 85
 Common, 516, 517
 Snowy, 103
- Egretta coerulea, 86
 thula, 86
- Eisenmann, Eugene, *Falco rufigularis*—the correct name of the bat falcon, 208
- Elanus leucurus, 400
 leucurus majusculus, 401
- Eleutherornis, 466, 469
 helveticus, 466
- Elliott, P. W., and Bendell, J. F., habitat selection in blue grouse, 431
- Ellis, C. R., Jr., and Stokes, A. W., vocalizations and behavior in captive Gambel quail, 72
- El-Wailly, Alwan Jasim, energy requirements for egg-laying and incubation in the zebra finch, *Taeniopygia castanotis*, 582
- Empidonax, 269
 flaviventris, 51
 hammondii, 180
 traillii traillii, 180
 virescens, 180
- Eremophila alpestris, 51, 167, 171, 597
- Ereunetes mauri, 51, 90, 91, 97, 190, 600
 pusillus, 90, 91, 190
- Erithacus rubecula, 356, 377
- Erolia alpina, 189, 600
 bairdii, 90, 171
 ferruginea, 300
 fuscicollis, 189
 melanotos, 90, 140, 189, 300
 minutilla, 90, 97, 190, 303
 ruficollis, 600
- Escalante, Rodolfo, notes on the Uruguayan population of *Larus belcheri*, 507
- Estrilda troglodytes, 51, 53
- Eudocimus ruber, 274
- Eudynamys, 268
- Eudynptula minor, 49
- Eupetomena macroura, 51
- Euphagus carolinus, 192, 596
 cyanocephalus, 135, 141, 172, 512
- F**
- Failing, Robert, Guggolz, Jack, Parmeter, Benjamin D., and Arnold, John R., adult little blue heron on San Pablo Bay, California, 103
- Falco, 138, 142
 albicularis, 208, 209
 albicularis albicularis, 139
 biarmicus, 344
 cherrug, 338, 341, 344
 chiquera, 338, 344
 columbarius, 170, 179, 302, 366, 519
 columbarius columbarius, 139
 deiroleucus, 208
 femoralis femoralis, 139
 jugger, 338, 344
 mexicanus, 139, 170
 peregrinus, 86, 97, 139, 170, 338, 341, 344, 497, 518
 peregrinus anatum, 139, 179
 rufigularis, 208, 209, 401
 rupicoloides, 345
 rusticulus, 345, 517-519

- rusticolus obsoletus*, 139
sparverius, 50, 138, 139, 169, 170, 270, 338,
 341, 344, 345, 353, 366
sparverius sparverius, 139
tinnunculus tinnunculus, 139
- Falcon, Bat, 208
 Meng's Peregrine, 345
 Peregrine, 86, 87, 170, 179, 338, 497, 518, 519
 Pigmy, 338, 340, 345
 Prairie, 170, 173, 174
 Red-necked, 338, 345
- Farner, Donald S., Morton, Martin L., King,
 James R., and Follett, Brian K., annual
 gonadal cycles and pituitary gonadotropo-
 pins in *Zonotrichia leucophrys gambelii*,
 476
- Fennell, Chester M., occurrence of the lesser frig-
 ate-bird and pale-footed shearwater in
 Korea, 210
- Finch, Black Rosy, 167, 173, 174
 Cassin's, 172
 Chestnut-eared, 582-594
 House, 391, 456
 Laysan, 402
 Purple, 265
 Zebra, 53, 456, 582-594
- Fisher, Harvey I., airplane-albatross collisions on
 Midway Atoll, 229
- Fleming, Theodore H., the thigh musculature of
 three species of *Scolopacidae*, 293
- Flicker, Red-shafted, 367, 370
- Florida caerulea, 103
 caerulea caerulea, 396
- Flycatcher, Acadian, 180
 Great Crested, 180
 Hammond's, 180
 Olive-sided, 180
 Scissor-tailed, 180
 Traill's, 180
 Vermilion, 306, 307, 398
- Follett, Brian K., Farner, Donald S., Morton,
 Martin L., and King, James R., annual
 gonadal cycles and pituitary gonadotropins
 in *Zonotrichia leucophrys gambelii*, 476
- Ford, Norman L., fossil owls from the Rexroad
 fauna of the Upper Pliocene of Kansas,
 472
- Forpus cyanopygius, 250
- Fratercula, 209
- Fregata ariel, 210
- Fregetta grallaria, 85, 96
- Frigate-bird, Lesser, 210, 211
- Fringilla coelebs, 479
 montifringilla, 601
- Frogmouth, Tawny, 253-262
- Fulica americana, 187, 322
- Futcher, Anthony G., and Brand, Leonard R.,
 noteworthy records of shearwaters in the
 Gulf of California, 600
- G
- Gadwall, 185
Gallinago, 263, 293, 294
Gallinula chloropus cachinnans, 179
Gallinule, Common, 179
 Purple, 87
Gallus gallus, 267
Gambetta, 293
Gelochelidon nilotica aranea, 179
Geococcyx californianus, 253
Geospiza, 206, 207
 conirostris, 206-208
 fortis, 207
 fuliginosa, 206, 207
 magnirostris, 207
- Geothlypis trichas, 517
- Geranoaetus melanoleucus*, 50
- Glyphorhynchus spirurus*, 63
- Godwit, Hudsonian, 164, 188, 190
 Marbled, 91, 171
- Goldfinch, American, 173, 175
- Goose, Blue, 185
 Canada, 185, 512, 587
 Domestic, 50
 Snow, 185
 Tule White-fronted, 402
 White-fronted, 185, 305
- Goshawk, 138-140, 338, 344, 346, 518
 Gabar, 338, 340, 342, 343, 345, 346, 348
- Gackle, Boat-tailed, 141, 596
 Common, 217
 Great-tailed, 141
- Granatellus venustus*, 251
- Grant, P. R., late breeding on the Tres Marías
 Islands, 249
- Grebe, Eared, 322
 Pied-billed, 83
 Western, 137, 138, 397
- Greenlet, Rufous-naped, 62
 Tawny-crowned, 62
- Greenwald, Lewis, and Cade, Tom J., nasal salt
 secretion in falconiform birds, 338
- Grosbeak, Pine, 173
 Rose-breasted, 264, 305, 396, 397
- Grouse, Black, 373
 Blue, 170, 373, 431-446, 488-496
 Columbian Sharp-tailed, 536-540
 Red, 373
 Ruffed, 272, 372-375, 444, 488
 Sage, 373, 443
 Sharp-tailed, 373, 443, 536-540
 Spruce, 373, 488
- Grus canadensis*, 51
- Guggolz, Jack, Parmeter, Benjamin D., Arnold,
 John R., and Failing, Robert, adult little
 blue heron on San Pablo Bay, California,
 103

- Guillemot, Black, 503, 505, 601
 Mandt's, 503
 Pigeon, 503
- Gull, Belcher's, 507-510
 Brown-headed Patagonian, 507
 California, 74, 398
 Fork-tailed, 97
 Franklin, 92, 97-99, 171, 179
 Glaucous, 303
 Glaucous-winged, 402
 Herring, 303, 342, 346
 Kelp, 507
 Laughing, 92
 Mew, 303
 Sabine's, 95, 191
 Sooty, 92, 97
- Gullion, Gordon W., a viewpoint concerning the significance of studies of game bird food habits, 372
- Gygis alba, 92
Gymnoglaux, 472
Gypaëtus barbatus, 50
Gyps africanus, 338, 344
 coprotheres, 338, 344
Gyrfalcon, 345, 346, 517-519
- H**
- Habia atricapilla*, 56
 cristata, 56-71
 fuscicauda, 56, 61, 62, 65, 67, 70
 gutturalis, 56, 70
 rubica, 56, 61, 62, 65, 67, 70
- Haliaeetus leucocephalus*, 497-502
Haliëtor melanoleucus, 315-317, 319
Halocyptena microsoma, 95, 513, 514
 Harris, Michael P., some land birds in the Caribbean, 516
 Hartman, Frank A., egg of the great black hawk, *Buteogallus urubitinga ridgwayi*, 515
- Hawk, Broad-winged, 179
 Cooper's, 179, 265
 European Sparrow, 346
 Ferruginous, 170, 175
 Great Black, 515
 Harlan's, 187
 Marsh, 170, 173, 174, 302, 366, 370, 518, 519
 Pigeon, 170, 175, 179, 302, 366, 519
 Red-tailed, 170, 175, 187, 338, 340, 344, 346
 Rough-legged, 170, 173, 174
 Savannah, 338, 340, 342, 343, 346
 Sharp-shinned, 139, 170, 175, 178, 338, 340, 346
 Sparrow, 169, 170, 175, 353, 366, 370
 Swainson's, 179
 Zone-tailed, 104
- Hayward, C. Lynn, new and unusual bird records from Utah, 305
- Hemignathus obscurus*, 133
 procerus, 133, 135
- Hemming, James E., notes on the status of some birds in south-central Alaska, 163
- Henicorhina leucophrys*, 63, 65
- Heron, Great Blue, 85
 Little Blue, 103, 396
- Heteroscelus incanum*, 89, 97
- Heterospizias*, 346
 meridionalis, 338, 341, 342, 344
- Himantopus*, 90
 himantopus, 88
- Hirundo rustica*, 93, 97, 517
 rustica erythrogaster, 181
- Hobby, Orange-breasted, 208
- Holmes, Richard T., breeding ecology and annual cycle adaptations of the red-backed sandpiper (*Calidris alpina*) in northern Alaska, 3
- Huia, 133, 134
- Hummingbird, Broad-billed, 249
 Cinnamon, 249
 Rufous, 171, 174
- Hylocharis cyanus*, 51
- Hylocichla mustelina*, 396
 ustulata, 181, 520
 ustulata almae, 181
 ustulata swainsoni, 181
 ustulata ustulata, 181
- Hylophilus ochraceiceps*, 62
 semi-brunneus, 62, 63
- I**
- Ibis, Scarlet, 274
Icterus, 269
 bullockii, 183, 596
 cucullatus, 596
 galbula, 517, 596
 icterus, 267
 pustulatus, 251
 spurius, 267, 595
- Ictinia mississippiensis*, 178
Iridoprocne bicolor, 171, 303, 353
- J**
- Jabiru mycteria, 50
 Jaeger, Long-tailed, 23, 24
 Parasitic, 23, 24
 Pomarine, 23, 91
- Jay, Blue, 274, 275
 Gray, 192, 303
 Scrub, 488
 Steller, 104, 269
- Johnston, Richard F., the adaptive basis of geographic variation in color of the purple martin, 219
- Jones, Robert E., spring, summer, and fall foods of the Columbian sharp-tailed grouse in eastern Washington, 536

- Junco**, 264
hyemalis, 51
caniceps, 174
oreganus, 159, 173
Junco, Gray-headed, 173, 174
Oregon, 173, 175

K

- Kessel**, Brina, and Springer, Heinrich K., recent data on status of some interior Alaska birds, 185
Kestrel, 270
American, 338, 340, 345
Greater, 345
Kilham, Lawrence, nesting activities of black-backed woodpeckers, 308
Killdeer, 171, 175, 188, 302
King, James R., Follett, Brian K., Farner, Donald S., and Morton, Martin L., annual gonadal cycles and pituitary gonadotropins in *Zonotrichia leucophrys gambelii*, 476
Kingbird, Eastern, 180
Western, 180
Kingfisher, Belted, 92, 93, 266
Kinglet, Ruby-crowned, 166, 181
Kite, Black, 340, 346
Mississippi, 178
White-tailed, 400
Kittiwake, Black-legged, 191
Koplin, James R., and Baldwin, Paul H., the boreal owl as a Pleistocene relict in Colorado, 299

L

- Lagger**, 338
Lagopus, 140, 268
lagopus, 50, 140, 373, 517
mutus, 140, 517, 518
Lanius excubitor, 172
ludovicianus, 141
Lark, Horned, 167, 169, 171, 173, 174, 597, 598
Larus argentatus, 303, 342, 346
atricilla, 92
belcheri, 507-510
belcheri atlanticus, 507
californicus, 74, 398
canus, 303
dominicanus, 507, 509
fuliginosus, 92
furcatus, 95
glaucus, 402
glaucus, 51
hyperboreus, 303
maculipennis, 507
marinus, 507
pipixcan, 92, 171, 179
ridibundus, 507

- Larosterna inca**, 96
Lasiewski, Robert C., and Bartholomew, George A., evaporative cooling in the poor-will and the tawny frogmouth, 253
Lasiewski, Robert C., and Thompson, Henry J., field observation of torpidity in the violet-green swallow, 102
Lateralis, 106
exilis, 106
jamaicensis, 105, 107
jamaicensis jamaicensis, 105-107
jamaicensis coturniculus, 105-107
ruber, 105, 106
Lepidocolaptes affinis, 63
Leptotila verreauxi, 250
Leptoptilos javanicus, 50
Lévéque, Raymond, Bowman, Robert I., and Billeb, Stephen L., migrants in the Galápagos area, 81
Leucophoyx thula, 103
Leucosticte atrata, 167, 173
Lies, Michael F., and Behle, William H., status of the white pelican in the United States and Canada through 1964, 279
Limnodromus, 136, 293, 294, 296, 297
griseus, 27, 51, 90, 135, 136, 163, 293, 295-297, 600
griseus caurinus, 90, 601
scolopaceus, 135, 136, 163, 164, 190, 600, 601
Limosa, 293, 294
fedoa, 51, 91, 171
haemastica, 164, 190
limosa, 10
Lobipes lobatus, 51, 91
Locke, Louis N., Chura, Nicholas J., and Stewart, Paul A., spermatogenesis in bald eagles experimentally fed a diet containing DDT, 497
Long, Charles A., and Matulionis, Daniel H., nesting of grasshopper sparrow in Wyoming, 103
Longspur, Chestnut-collared, 598
Lapland, 40, 597, 598
McCown's, 597
Loomelia melanaria, 85, 95, 513, 514
Lophornis magnificus, 51
Lophortyx californicus, 50, 73, 550
gambelii, 50, 72-80, 372, 541-561
Lovebird, African, 399
Loxia leucoptera, 194
Lyrurus tetrix, 373, 492
Lysurus castaneiceps, 63

M

- Machetes**, 293
MacMillen, Richard E., and Snelling, John C., water economy of the white-crowned sparrow and its use of saline water, 388
Macrodipteryx vexillarius, 272

- Magpie, Black-billed, 192
 Mallard, 170, 175, 267, 268, 301, 322, 500
 Mareca americana, 163, 186, 302
 penelope, 50, 163, 186
 Martin, Purple, 181, 219-228
 Masius chrysopterus, 63
 Matulionis, Daniel H., and Long, Charles A.,
 nesting of grasshopper sparrow in Wyoming, 103
 McCaskie, Guy, the occurrence of longspurs and snow buntings in California, 597
 McCaskie, Guy, Stallcup, Richard and DeBenedictis, Paul, notes on the distribution of certain icterids and tanagers in California, 595
 McNab, Brian K., an analysis of the body temperatures of birds, 47
 Meadowlark, Western, 172, 175
 Megaceryle alcyon, 92, 97, 266
 Megadyptes antipodes, 49
 Megalopteryx didinus, 464, 466
 Melanerpes erythrocephalus, 114, 119, 310
 formicivorus, 119, 131
 herminieri, 114, 116, 119, 129
 portoricensis, 114, 116, 119, 129, 131
 Melanotis caerulescens, 250
 Melanotrochilus fuscus, 51
 Melierax musicus, 344
 Melopsittacus, 567
 undulatus, 456
 Melospiza lincolni, 173, 183
 Micronisus gabar, 338, 340, 341, 344, 346
 Micropalama himantopus, 90
 Miller, Alden H., an evaluation of the fossil anhingas of Australia, 315
 Miller, Loye, an addition to the bird fauna of the Barstow Miocene, 397
 Milvago chimachima, 338, 344
 Milvus migrans, 340
 Mimus polyglottos, 51, 141, 250
 Mitrospingus cassini, 59
 Mniotilta varia, 61, 63, 517
 Mockingbird, 141
 Molothrus ater, 141, 172, 273, 305
 Morse, Douglass H., notes on the wren-thrush, 520
 Morton, Martin L., King, James R., Follett, Brian K., and Farner, Donald S., annual gonadal cycles and pituitary gonadotropins in *Zonotrichia leucophrys gambelii*, 476
 Morus bassanus, 50
 Motacilla flava, 302
 Murrelet, Ancient, 503-505, 510-512
 Marbled, 504, 505
 Muscivora forficata, 180
 Myadestes obscurus, 251
 townsendi, 172
 valloides, 67
 Myiarchus crinitus, 180
 tuberculifer, 250
 tyrannulus, 250
 Myiobius villosus, 63
 Myioborus miniatus, 63
 Myiopagis viridicata, 250
 Myiozetetes, 401
 Myrmotherula schisticolor, 63, 65
- N**
- Nectarinia takazze, 274
 Neomorpha acutirostris, 133, 134
 Nesocites, 129
 Nesomimus macdonaldi, 208
 Nighthawk, Common, 52, 171, 175, 247, 253, 259, 261
 Nightjar, Pennant-winged, 272
 Niles, David M., additional distributional records from New Mexico, 213
 Nothoprocta, 463, 464
 perdicaria, 463
 Nothura maculosa, 50
 Nucifraga columbiana, 171, 192
 Numenius, 293
 borealis, 88
 phaeopus, 88, 97, 190, 305
 phaeopus hudsonicus, 88
 Nutcracker, Clark's, 171, 174, 192
 Nuthatch, Brown-headed, 134
 Pigmy, 134
 Red-breasted, 164-166, 172, 213
 Nuttallornis borealis, 180
 Nyctea scandiaca, 23
 Nyctibius griseus, 401
 Nyctidromus albicollis, 52, 250
- O**
- Oceanites gracilis, 513, 514
 Oceanodroma, 96
 castro, 513, 514
 homochroa, 512, 513
 leucorhoa, 85
 leucorhoa beali, 513
 leucorhoa chapmani, 513
 leucorhoa leucorhoa, 513
 leucorhoa monorhis, 514
 leucorhoa socorroensis, 85, 513, 514
 markhami, 85
 monorhis, 513, 514
 tethys tethys, 513, 514
 Oenanthe, 264
 Ohmart, Robert D., breeding record of the Cassin sparrow (*Aimophila cassinii*) in Arizona, 400
 Ohmart, Robert D., and Raftt, Ralph J., annual cycle of reproduction and molt in Gambel quail of the Rio Grande Valley, southern New Mexico, 541

- Oldsquaw, 140, 268, 516
Olor buccinator, 521
 columbianus, 398, 521
O'Neill, John P., notes on the distribution of
 Conothraupis speculigera (Gould), 598
Onychognathus, 268
Opisthodactylus, 466, 469
 patagonicus, 466
Oporornis formosus, 183
 tolmiei, 183
 tolmiei intermedia, 183
 tolmiei monticola, 183
 tolmiei tolmiei, 183
Orians, Gordon H., food of nestling yellow-
 headed blackbirds, Cariboo Parklands,
 British Columbia, 321
Oriole, Baltimore, 517, 596
 Bullock's, 183, 596
 Hooded, 596
 Orchard, 267, 595, 596
Osprey, 86, 179
Ostrich, 347
Otus, 474
 asio, 472
 choliba, 472
 clarkii, 472
 flammeolus, 211, 472
 guatemalae, 472
 trichopsis, 472
Ovenbird, 214, 517
Owl, Boreal, 299, 300
 Elf, 402
 Flammulated, 211
 Great Horned, 171, 173, 174, 266
 Long-eared, 171, 174
 Short-eared, 519
 Snowy, 23
 Striped, 401
Oxyura jamaicensis, 186, 322
Oystercatcher, American, 97
- P**
- Pachyptila turtur*, 50
Pachyramphus polychropterus, 63
 versicolor, 63
Pagodroma nivea, 50
Pandion haliaetus, 86, 97
 haliaeetus carolinensis, 179
Parakeet, Aztec, 575
 Orange-chinned, 399, 562-581
 Orange-fronted, 399, 566, 575
 Yellow-winged, 565
Parkes, Kenneth C., and *Clark*, George A., Jr., an
 additional character linking ratites and
 tinamous, and an interpretation of their
 monophyly, 459
Parmeter, Benjamin D., Arnold, John R., Failing,
 Robert, and Guggolz, Jack, adult little
 blue heron on San Pablo Bay, California,
 103
Partridge, Chukar, 75, 78, 373, 546, 547, 558, 560
Parula pitiayumi, 63, 251
Parus, 130, 131
 atricapillus, 130, 213
 bicolor atricristatus, 131
 carolinensis, 51, 130
 cinctus, 51
 coeruleus, 155
 gambeli, 173, 367
 rufescens, 164, 165
 wollweberi, 131
Passer domesticus, 51, 67, 159, 201, 267, 587
Passerculus sandwichensis, 173, 389, 393, 451
 sandwichensis brooksi, 391
Passerina amoena, 214
 ciris, 183
 ciris pallidior, 183
 cyannea, 136, 178, 214
Pattie, Donald L., and *Verbeek*, Nicolaas A. M.,
 alpine birds of the Beartooth Mountains,
 167
Pauraque, 52
Pavo, 263
Payne, Robert B., absence of brood patch in
 Cassin auklets, 209
Pedioecetes, 443
 phasianellus, 373
 phasianellus columbianus, 536-540
Pelagodroma marina, 84, 85, 96
Pelecanus, 315
 erythrorhynchos, 135, 137, 279-292, 305
 occidentalis, 50, 137, 305, 515
 occidentalis californicus, 135
 occidentalis carolinensis, 135
 occidentalis occidentalis, 135
Pelican, Brown, 137, 305, 515, 516
 White, 137, 279-292, 305
Perisoreus canadensis, 192, 303
Petrel, Ashy, 512, 513
 Black, 514
 Bulwer, 95
 Cape, 83
 Cook, 95
 Galápagos, 514
 Harcourt's, 514
 Leach's, 85, 513, 514
 Least, 95, 514
 Lowe's, 514
 Markham Storm, 85
 Parkinson, 84
 Scaled, 95
 Storm, 83, 512
 White-bellied Storm, 85
 White-faced, 84
 White-winged, 84
Petrochelidon albifrons, 102
pyrrhonota, 93, 97, 181

- Pewee, Eastern Wood, 180
 Western Wood, 303
- Phaëthon aethereus, 95
 lepturus, 95
 rubricauda, 95
- Phalacrocorax auritus, 50
 carbo, 50, 265, 465
 sulcirostris, 316, 317
- Phalaenoptilus, 260
 nuttallii, 52, 247, 253–262
- Phalarope, Northern, 91
 Red, 8, 91, 191
 Wilson's, 91, 191
- Phalaropus fulicarius, 8, 38, 91, 191
- Phasianus colchicus, 476, 546
- Pheasant, Ring-necked, 476, 484, 546, 555, 558, 560
- Pheucticus ludovicianus, 264, 305, 396
- Philomachus, 293
- Phoebe, Black, 396
 Eastern, 180, 213, 217, 519
 Say's, 303
- Phoenicopterus antiquorum, 50
- Pica pica, 192
- Picoides arcticus, 191, 308, 310
 tridactylus, 191
- Piculus rubiginosus, 63
- Picumnus granadensis, 63
- Pigeon, Domestic, 51
- Pinguinus, 209
- Pinicola enucleator, 173
- Pintail, 163, 170, 186
- Pipilo aberti, 51
 erythrophthalmus, 402
 fuscus, 51
- Pipit, Water, 167, 169, 172–174
- Piranga bidentata, 251
 flava, 63, 597
 ludoviciana, 183
 olivacea, 596
 rubra, 94, 97, 210
 rubra cooperi, 210
- Pityriasis, 268
- Platyparis aglaiae, 250
- Plautus, 209, 504, 505
 alle, 504
- Plectrophenax nivalis, 40, 271, 598
- Plotus pannonicus, 318
 parvus, 315–317, 319
- Plover, Black-bellied, 88, 188, 213, 305, 517
 American Golden, 179
 Golden, 188, 190, 305, 517, 518
 Pacific Golden, 212
 Semipalmated, 87
 Upland, 189
- Pluvialis dominica, 188, 212, 517, 518
 dominica dominica, 179, 212, 305
 dominica fulva, 212
- Podargus, 259, 262
 strigoides, 253–262
- Podiceps, 138
 auritus, 138
 auritus cornutus, 135
 caspicus, 50, 138
 caspicus californicus, 135
 griseogena, 138
 griseogena holböllii, 135
 nigricollis, 322
- Podilymbus podiceps, 83, 97
- Poephila guttata, 582
- Pogonochichla stellata, 266, 274
- Pogonotriccus, 63
- Polemaëtus bellicosus, 344
- Polihierax semitorquatus, 338, 341, 344, 345
- Polioptila caerulea, 178
- Polytmus guainumbi, 51
- Pooecetes gramineus, 173
- Poorwill, 52, 253–262
- Porphyrua martinica, 87, 97
- Porzana carolina, 179, 187
- Potoo, Common, 401
- Power, Dennis M., agonistic behavior and vocalizations of orange-chinned parakeets in captivity, 562
- Power, Harry W., III, biology of the mountain bluebird in Montana, 351
- Premnoplex brunnescens, 63
- Procellaria parkinsoni, 84, 96
- Progne subis, 219–228
 subis hesperia, 219, 226
 subis subis, 181, 219
- Protonotaria citrea, 177, 182
- Protoplatus beauforti, 318
- Pseudonestor xanthophrys, 133, 135
- Pseudoscops, 472
- Psittirostra cantans, 402
- Ptarmigan, Rock, 140, 517–519
 Willow, 140, 517–519
- Pteridophora alberti, 263
- Pterodroma cooki, 95
 cooki orientalis, 95
 inexpectata, 95
 leucoptera, 84, 96
 leucoptera brevipes, 84
- Pteroglossus beauharnaesii, 263
- Ptychoramphus aleutica, 209
- Puffinus, 96
 bulleri, 95
 carneipes, 94, 95, 211
 creatopus, 94, 600
 griseus, 94, 600
 pacificus, 84, 95, 96
 puffinus, 264
 puffinus opisthomelas, 600
 tenuirostris, 50, 94
- Pugh, Eleanor A., cedar waxwing nesting in southern California, 307
- Pygoscelis adeliae, 49
 papua, 49

Pyrocephalus, 306, 307
dubius, 307
nanus, 306, 307
ruberinus, 306, 398

Q

Quail, California, 73-75, 79, 543-560
Gambel's, 72-80, 372, 374, 541-561
Scaled, 553, 558, 560
Quelea quelea, 132
Quiscalus major, 141
major major, 135
mexicanus, 141, 477, 478
mexicanus prosopidicola, 135

R

Rail, Black, 105, 106
Virginia, 215, 216
Raitt, Ralph J., and Ohmart, Robert D., annual cycle of reproduction and molt in Gambel quail of the Rio Grande Valley, southern New Mexico, 541
Rallus limicola, 215
limicola friedmanni, 215, 216
limicola limicola, 215, 216
Raven, Common, 142, 171, 173, 174
Razorbill, 209
Redhead, 186, 302, 322
Redpoll, Common, 103, 193, 194
Hoary, 193
Redstart, 265
American, 516
Regulus calendula, 166, 181
Rhamphodon naevius, 137
Rhea americana, 461
Rhinoptynx clamator, 401
Rhynchosphanes mccownii, 597
Rhynchotus, 463, 464
Richmondena cardinalis, 51, 251, 304
Riparia riparia, 51, 93, 97, 181, 213, 517
Rissa tridactyla, 51, 191
Roadrunner, 253
Robin, American, 170, 172-174, 266
European, 356, 377, 378
Royall, Willis C., Jr., breeding of the starling in central Arizona, 196
Russell, Stephen M., status of the black rail and the gray-breasted crake in British Honduras, 105

S

Saker, 338, 345
Salpinctes obsoletus, 172, 447-458
Sanderling, 87, 91, 190, 191
Sandpiper, Baird's, 90, 171, 173, 174
Buff-breasted, 190, 402
Curlew, 300, 301

Least, 30, 90, 190, 303
Pectoral, 3, 8, 13, 15, 90, 140, 189, 190, 300
Red-backed, 3-46
Rufous-necked, 600
Semipalmated, 90, 190
Solitary, 89, 171, 175
Spotted, 87, 88, 302
Stilt, 90
Western, 30, 91, 190, 600
White-rumped, 189
Sapsucker, Yellow-bellied, 129, 140, 213
Sayornis nigricans, 396
phoebe, 180, 213, 519
saya, 303
Scardafella inca, 396
Scaup, 322
Scolopax, 294
rusticola, 293
Seiurus aurocapillus, 517
aurocapillus cinereus, 214
motacilla, 183
noveboracensis notabilis, 396
Selander, Robert K., sexual dimorphism and differential niche utilization in birds, 113
Selasphorus rufus, 53, 171
Serinus, 567
Setophaga ruticilla, 265, 516
Shearwater, Audubon's, 402
Black-vented, 600
Common, 264
Manx, 402, 600
New Zealand, 95
Pale-footed, 94, 210, 211
Pink-footed, 94, 600
Sooty, 94, 600
Wedge-tailed, 84
Shoveler, 170, 302
Shrike, Loggerhead, 141
Northern, 172
Sialia, 359
currucoidea, 170, 172, 192, 351-371
sialis, 351, 353
sialis sialis, 214
Siskin, Pine, 164, 173, 174, 194
Sitta canadensis, 164, 165, 172, 213
pusilla, 134
pusilla pusilla, 135
pygmaea, 134
pygmaea leuconucha, 135
pygmaea melanotis, 135
pygmaea pygmaea, 135
Smith, Bill, a second record of ancient murrelet from Nevada, 511
Smyth, Michael, and Bartholomew, George A., the water economy of the black-throated sparrow and the rock wren, 447
Snelling, John C., and MacMillen, Richard E., water economy of the white-crowned sparrow and its use of saline water, 388
Snipe, Common, 171, 175

- Solitaire, Townsend's, 172, 175
 Sora, 179, 187
 Sparrow, Baird's, 402
 Black-chinned, 214
 Black-throated, 447-458
 Botteri, 105, 400
 Brewer's, 173
 Cassin, 400
 Chipping, 173, 174, 194
 Clay-colored, 173
 English, 67, 159, 402
 Gambel White-crowned, 388-395
 Gampel's White-crowned, 601
 Grasshopper, 103, 105
 House, 201, 267, 368, 587
 Lincoln's, 173, 174, 183
 Rufous-crowned, 214
 Rufous-winged, 400, 402
 Sage, 449
 Savannah, 173, 175, 389, 391, 393, 451, 456
 Sharp-tailed, 402
 Tree, 591
 Vesper, 173, 174
 White-crowned, 169, 170, 173, 174, 379, 388-
 394, 402, 449, 476-487, 601
 White-throated, 520
 Spatula clypeata, 302
 Speotyto, 473, 474
 cunicularia, 473-475
 megalopeza, 473-475
 Sphyrapicus varius, 129, 140
 varius daggetti, 213
 varius nuchalis, 213
 Spinus pinus, 164, 173, 194
 psaltria, 251
 tristis, 173
 Spiza americana, 377-387, 587
 Spizella arborea, 591
 atrogularis, 214
 breweri, 173
 pallida, 173
 passerina, 173, 194
 Springer, Heinrich K., unusual bird records from
 Hooper Bay, Alaska, 600
 Springer, Heinrich K., and Kessel, Brina, recent
 data on status of some interior Alaska
 birds, 185
 Squatarola squatarola, 88, 97, 188, 212, 213, 305,
 517
 Stallcup, Richard, DeBenedictis, Paul, and Mc-
 Caskie, Guy, notes on the distribution of
 certain icterids and tanagers in California,
 595
 Starling, 104, 152-162, 192, 196-205, 271, 368,
 600
 Steganopus tricolor, 91, 97, 191
 Stercorarius, 511
 longicaudis, 14
 parasiticus, 14
 pomarinus, 91, 97
 Sterna albifrons, 179
 aleutica, 601
 fuscata, 266
 hirundo, 92
 paradisaea, 601
 Stewart, Paul A., Locke, Louis N., and Chura,
 Nicholas J., spermatogenesis in bald eagles
 experimentally fed a diet containing DDT,
 497
 Stilt, Black-necked, 97
 Stokes, A. W., and Ellis, C. R., Jr., vocalizations
 and behavior in captive Gambel quail, 72
 Strepsilas, 293
 Streptopelia, 567
 Struthio camelus, 50, 347, 462
 Sturnella, 264
 neglecta, 172
 Sturnus vulgaris, 104, 152-162, 192, 196-205, 272,
 600
 Sula bassana, 523
 dactylatra, 95, 523-535
 leucogaster, 95
 nebouxii, 95
 sula, 95, 523, 531
 variegata, 95
 Sullivan, John O., a dipper nest away from wa-
 ter, 107
 Surfbird, 88
 Swallow, Bank, 93, 181, 213, 517
 Barn, 93, 181, 217, 517
 Cliff, 93, 102, 181
 Tree, 171, 175, 217, 303, 353, 357, 360, 366,
 368, 370
 Violet-green, 102, 103, 171
 Swan, Trumpeter, 521
 Whistling, 398, 521
 Swift, European, 335
 White-throated, 171, 175, 180
 Sylvia communis, 377
 Syndactyla subalaris, 59, 63
 Synthliboramphus antiquum, 503, 510, 511

T

- Tachycineta thalassina, 102, 171
 Tachyphonus delattrei, 59
 Taeniopygia castanotis, 51, 53, 456, 582-594
 Tanager, Black and White, 598
 Hepatic, 597
 Scarlet, 267, 270-272, 274, 275, 596
 Summer, 94, 210
 Western, 183
 Tanagra xanthogaster, 63
 Tangara, 61
 arthus, 63
 icterocephala, 63
 labradorides, 63
 nigroviridis, 63
 Tangavius aeneus, 596

- Tapera, 401
 naevia, 268, 401
 Tate, James, Jr., and Tate, D. Jean, additional records of whistling swans feeding in dry fields, 398
 Tattler, Wandering, 87, 89, 97
 Teal, Blue-winged, 86, 97, 185, 186, 322
 Green-winged, 170, 175, 302
 Laysan, 268
 Telmatodytes palustris, 51, 322
 Tenaza, Kathryn and Richard, first report of the starling nesting in San Francisco, California, 600
 Terathopius ecaudatus, 338, 341, 343, 344
 Tern, Aleutian, 601
 Arctic, 601
 Black, 179
 Caspian, 402
 Common, 92
 Gull-billed, 179
 Inca, 96
 Least, 179
 Noddy, 97
 Royal, 92, 179
 Sooty, 97, 266, 269, 271
 White, 92
 Tetrao urogallus, 373, 492
 Tetrapteryx paradisea, 51
 Thalasseus maximus, 92
 maximus maximus, 179
 Thalurania furcata, 51
 Thompson, Henry J., and Lasiewski, Robert C., field observation of torpidity in the violet-green swallow, 102
 Thripadectes virgaticeps, 63
 Thrush, Black-billed Nightingale, 520
 Swainson's, 181, 520
 Wood, 396
 Thryomanes bewickii, 136
 Thryothorus felix, 250
 Tinamous, 460
 Tit, Blue, 155
 Torgos tracheliotus, 338, 344
 Totanus, 293
 flavipes, 88, 90, 189, 293, 294, 303
 melanoleucus, 90, 293, 294
 Towhee, Green-tailed, 173
 Rufous-sided, 402
 Toxostoma, 208
 Trembler, 133
 Tringa, 293
 solitaria, 88, 89, 171
 Troglodytes aedon, 181, 367, 582
 aedon parkmanii, 181
 troglodytes, 135
 Trigon elegans, 250
 Tropic-bird, Red-tailed, 95
 Troupial, 267
 Tryngites, 293, 294, 296, 297
 subruficollis, 190, 293, 296, 297
 Tsukamoto, George K., some notes on birds of Elko County, Nevada, 103
 Turdus ignobilis, 63
 migratorius, 51, 170, 172, 266
 rufo-palliatus, 251
 Turkey, Domestic, 50
 Turnstone, Black, 188
 Ruddy, 88, 188
 Tympanuchus, 443
 cupido, 538
 pallidicinctus, 538
 Tyrannus melancholicus, 250
 tyrannus, 180
 verticalis, 177, 180
- U**
- Upupa, 293
 Uria, 209
 aalge, 505
- V**
- Veniliornis fumigatus, 63, 64
 Verbeek, Nicolaas A. M., wanderings of the ancient murrelet: some additional comments, 510
 Verbeek, Nicolaas A. M., and Pattie, Donald L., alpine birds of the Beartooth Mountains, 167
 Vermivora celata, 172
 chrysoptera, 63, 182
 luciae, 214
 peregrina, 182
 pinus, 182
 Vestiaria coccinea, 133, 135
 Vireo bellii medius, 214
 flavifrons, 181
 flavoviridis, 251
 gilvus, 63, 182
 gilvus brewsteri, 182
 griseus, 181
 griseus noveboracensis, 181
 hypochryseus, 251
 olivaceus, 181, 214
 philadelphicus, 181
 Vireo, Bell's, 214
 Philadelphia, 181
 Red-eyed, 181, 214
 Warbling, 182
 White-eyed, 181
 Yellow-throated, 181
 Vultur gryphus, 270
 Vulture, Cape, 338
 Lappet-faced, 338, 340, 346
 Turkey, 49, 52, 104
 White-backed, 338

W

- Wagtail, Yellow, 302
 Warbler, Audubon's, 172, 175, 182
 Black-and-White, 61, 517
 Blackburnian, 130, 182, 517
 Black-cheeked, 520
 Black-throated Gray, 182
 Black-throated Green, 182
 Blue-winged, 182
 Canada, 62, 183
 Cape May, 130, 182
 Cerulean, 182
 Chestnut-sided, 182
 Golden-winged, 182
 Hermit, 182
 Hooded, 183
 Kentucky, 183
 Lucy's, 214
 MacGillivray's, 183
 Magnolia, 182
 Orange-crowned, 172
 Prothonotary, 182
 Red-faced, 214, 402
 Tennessee, 182
 Three-striped, 62, 65
 Townsend's, 192, 193
 Wilson's, 172, 183
 Yellow, 304
 Yellow-throated, 182, 517
 Warbler-Finch, 135
 Darwin's, 136
 Waterthrush, Louisiana, 183
 Northern, 396
 Wauer, Roland H., flammulated owl records following May storms in Zion Canyon, Utah, 211; eastern phoebe in Utah, 519
 Waxbill, Black-rumped, 53
 Waxwing, Cedar, 181, 307
 Weeden, Robert B., and White, Clayton M., hunting methods of gyrfalcons and behavior of their prey (ptarmigan), 517
 West, George C., and White, Clayton M., range extensions and additional notes on the birds of Alaska's arctic slope, 302
 Wheeler, Richard J., an unusually long incubation period of the mallard, 301
 Whimbrel, 88, 97, 190, 305
 Whip-poor-will, 52, 180, 213
 White, Clayton M., and Weeden, Robert B., hunting methods of gyrfalcons and behavior of their prey (ptarmigan), 517
 White, Clayton M., and West, George C., range extensions and additional notes on the birds of Alaska's arctic slope, 302
 Whitethroat, 377, 378
 Widgeon, American, 163, 186, 302
 European, 163, 186
 Wiens, John A., a specimen of the vermillion flycatcher from Oklahoma, 398

- Wilbur, Roger O., inland record of an oldsquaw in California, 516
 Willet, 89, 90
 Willis, Edwin O., ecology and behavior of the crested ant-tanager, 56; a prey capture by the zone-tailed hawk, 104
 Willoughby, Ernest J., water requirements of the ground dove, 243
 Wilsonia canadensis, 62, 63, 183
 citrina, 183
 pusilla, 172, 178, 183
 Wolf, Larry L., notes on Costa Rican birds, 400
 Woodpecker, Acorn, 131
 Black-backed, 308-310
 Black-backed Three-toed, 191
 Downy, 142
 Gila, 196, 202
 Golden-fronted, 113, 146
 Green, 129
 Hairy, 128, 310
 Hispaniolan, 113, 116, 122, 133, 146
 Ivory-billed, 142
 Jamaican, 129
 Ladder-backed, 213
 Northern Three-toed, 191
 Pileated, 308
 Red-bellied, 117
 Red-headed, 141, 310
 West Indian Red-bellied, 129
 Wren, Bewick, 136
 House, 181, 217, 357, 360, 367, 370, 582, 590-592
 Long-billed Marsh, 322
 Rock, 172-174, 447-458
 Short-billed Marsh, 105
 Stephen Island, 468
 Wren-thrush, 520
 Wrentit, 225

X

- Xanthocephalus xanthocephalus, 172, 321-337
 Xema sabini, 95, 191
 Xenicus lyalli, 468
 Xenops rutilans, 63
 Xiphidiopicus percussus, 114, 129
 Xiphorhynchus, 63

Y

- Yellowlegs, Greater, 90
 Lesser, 90, 189, 303
 Yellowthroat, 517

Z

- Zeldonia coronata, 520
 Zenaida asiatica, 250
 Zenaidura macroura, 51, 171, 247, 366, 391, 456

- Zimmerman, John L., effects of extended tropical photoperiod and temperature on the dickcissel, 377
- Zonotrichia, 274, 480, 557
albicollis, 520
capensis, 266
leucophrys, 51, 169, 173, 392, 393, 449, 601
- leucophrys gambelii, 379, 388-395, 476-487, 601
- leucophrys nuttalli, 480
- leucophrys pugetensis, 480
- Zwickel, Fred C., Brigham, James H., and Buss, Irven O., autumn weights of blue grouse in north-central Washington, 1954 to 1963, 488