

## INDEX TO VOLUME 75

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

## A

- Acanthis, 109, 155, 160, 230  
 flammea, 55, 111, 160  
 hornemannii, 55, 160  
 Accipiter cooperii, 221, 240, 402, 461, 469  
 striatus, 221, 402, 469  
 Acrocephalus scirpaceus, 430  
 Actitis hypoleuca, 138  
 macularia, 157, 269, 358, 361, 403  
 Aechmophorus occidentalis, 401  
 occidentalis clarkii, 131–132  
 occidentalis occidentalis, 131  
 Aegolius ridgwayi, 483  
 Aethia cristatella, 307, 309  
 pusilla, 307  
 pygmaea, 307  
 Agami, 476  
 Agamia agami, 476  
 Agelaius, 92  
 phoeniceus, 1, 28–42, 81, 165, 230, 260, 287, 392,  
 407  
 tricolor, 81  
 Aimophila carpalis, 145  
 Ainley, David G., and Robert E. Le Resche, The ef-  
 fects of weather and ice conditions on breeding  
 in Adélie penguins, 235–255  
 Aix sponsa, 401  
 Albatross, Waved, 267  
 Alcedo atthis, 146  
 Amazilia tzacatl, 358  
 Amazona, 358  
 Ammospiza caudacuta, 94  
 maritima, 94  
 Amphispiza belli, 443  
 Anas, 243  
 acuta, 154, 156, 307, 401  
 americana, 401  
 bahamensis, 268  
 carolinensis, 154, 156  
 clypeata, 401  
 crecca, 307, 309, 401  
 crecca carolinensis, 240  
 cyanoptera, 401  
 diazi, 120  
 discors, 230, 243, 268, 333, 401  
 platyrhynchos, 1, 113–114, 120, 125, 154, 156,  
 307, 330, 337, 364  
 rubripes, 125  
 Anastomus oscitans, 107  
 Ani, Groove-billed, 32, 41, 270  
 Smooth-billed, 358  
 Anous stolidus, 270  
 Anser albifrons, 154  
 caerulescens, 124  
 rossii, 125  
 Anthus campestris, 292  
 pratensis, 414  
 richardi, 292  
 spinoletta, 155, 160, 185, 287–288, 290–291, 406  
 spinoletta alticola, 287  
 spinoletta kleinschmidti, 291  
 vaalensis, 287  
 Antwren, Streaked, 358  
 Aphelocoma, 289  
 Aphriza virgata, 268

- Aptenoides fosteri, 473  
 Apteryx australis, 111  
 Aquila chrysaetos, 123, 155, 158, 452  
 Archilochus alexandri, 333, 403  
 Ardea herodias, 254, 267, 352, 401  
 Arenaria interpres, 157, 265, 268–269, 274, 307, 309,  
 336  
 melanocephala, 154, 157  
 Asio flammeus, 155, 159, 265, 267, 270, 274  
 galapagoensis, 265  
 Asyndesmus lewis, 210–224, 404  
 Atlapetes, 240  
 pileatus dilutus, 241  
 Atlapetes, Rufous-capped, 241  
 Attagis sp., 342  
 Auklet, Cassin's, 310, 460  
 Crested, 307–309  
 Least, 307–308  
 Parakeet, 307  
 Rhinoceros, 463–464  
 Whiskered, 307–308  
 Avocet, American, 403  
 Aythya affinis, 240, 402  
 americana, 401  
 collaris, 402  
 fuligula, 364  
 marila, 154, 156, 309  
 valisineria, 402

## B

- Babbler, Arrow-marked, 423  
 Bailey, Edgar P., Discovery of a Kittlitz's Murrelet  
 nest, 457  
 Balda, Russell P., and Gary C. Bateman, Unusual  
 mobbing behavior by incubating Piñon Jays,  
 251–252  
 Bananaquit, 359  
 Banks, Richard C., see Skaar, P. D.  
 Basileuterus culicivorus, 363  
 Bateman, Gary C., see Balda, Russell P.  
 Beck, Benjamin B., Christopher W. Engen, and Peter  
 W. Gelfand, Behavior and activity cycles of  
 Gambel's Quail and Raptorial Birds at a So-  
 noran Desert waterhole, 466–470  
 Binford, Laurence C., Virginia Rail and Cape May  
 Warbler in Chiapas, México, 350–351  
 Bishop, Red, 421  
 Bittern, American, 401  
 Least, 476  
 Pinnated, 476  
 Stripe-backed, 476  
 Black, Craig P., see Holmes, Richard T.  
 Blackbird, 246  
 Brewer's, 81, 92, 392, 407, 409  
 Red-winged, 1, 2, 12, 13, 28–42, 84, 88, 92–95,  
 165, 230, 260–261, 263, 287, 392–398, 407,  
 409, 411, 417  
 Rusty, 160  
 Tri-colored, 81, 84, 88, 93, 95  
 Yellow-headed, 92, 95, 165, 392–398, 407  
 Blackgame, 315–316, 318–319  
 Bluebird, Eastern, 165  
 Mountain, 405, 409, 411  
 Western, 405, 409, 411  
 Blumberg, Ronald G., see Braun, Clait E.  
 Bobolink, 111, 270, 363, 407

- Bobwhite, 243  
Masked, 178
- Bock, Carl E., see Price, Frank E.
- Bolen, Eric G., see Rylander, M. Kent
- Bolwig, Niels, Agonistic and sexual behavior of the African Ostrich (*Struthio camelus*), 100-105
- Bolwig, Niels, see Gailey, Janet
- Bombycilla cedrorum, 164-169, 245-246, 406, 485  
garrulus, 245-246
- Bonasa umbellus, 345, 375
- Booby, Blue-footed, 267  
Masked, 207, 267  
Red-footed, 205, 267
- Botaurus lentiginosus, 401  
pinnatus, 476
- Brachyramphus brevirostre, 457
- Brant, 333  
Black, 155, 161
- Branta bernicla, 333  
canadensis, 124, 154, 230, 243, 330, 401  
canadensis hutchinsii, 124  
nigricans, 154-155
- Braun, Clait E., and Ronald G. Blumberg, An albinistic Blue Grouse from Colorado, 345-346
- Brown, Jerram L., Behavior elicited by electrical stimulation of the brain of the Steller's Jay, 1-16
- Bubo virginianus, 126-127, 251, 452
- Bubulcus ibis, 268, 274, 358, 475, 480
- Bucephala albeola, 156, 309, 402  
clangula, 307, 366, 402  
islandica, 402
- Bufflehead, 156, 307, 402
- Bulbul, Black-eyed, 425  
Cape, 426
- Budgerygah, 444
- Bunting, Indigo, 108, 110-112, 369  
Lazuli, 407  
McKay's, 161  
Snow, 161, 252, 292, 307-309, 352
- Burhinus oedicephalus, 342
- Bushtit, Common, 92-93
- Buskirk, William H., Four new migrants for Costa Rica, 363-364
- Buteo albicaudatus albicaudatus, 240  
albicaudatus hypospodius, 240  
galapagoensis, 268, 272, 274-275  
jamaicensis, 221, 240, 402, 452, 466  
jamaicensis calurus, 240  
jamaicensis costaricensis, 240  
jamaicensis kriderii, 240  
lagopus, 155, 158, 360  
lineatus texanus, 240  
platypterus, 107  
regalis, 402, 452  
swainsoni, 402, 452, 469
- Butorides striatus, 267-268, 277, 358  
sundevalli, 267, 277  
virescens, 268
- Bycanistes subcylindricus, 350
- C**
- Cade, Tom J., Sun-bathing as a thermoregulatory aid in birds, 106-108
- Cade, Tom J., and Clayton M. White, Breeding of Jay's Phoebe in Arctic Alaska, 360-361
- Calcarius lapponicus, 155, 161, 307, 310, 352  
lapponicus alascensis, 43  
ornatus, 241, 408
- Caldwell, Patrick J., Development of thermoregulation in Mallard ducklings, 113-114
- Calidris, 358  
alba, 339  
alpina, 154, 157-158, 337  
bairdii, 158, 403  
canutus, 269  
mauri, 154, 157-158  
melanotos, 154, 157  
minutilla, 403  
ptilocnemis, 158, 307, 309  
pusillus, 403
- Callipepla squamata, 322-325  
squamata castanogastris, 325-326  
**squamata hargravei**, 322  
squamata pallida, 322-326
- Calypte anna, 245
- Camarhynchus heliobates, 271, 274  
pallidus, 271, 273-274  
parvulus, 271, 273-274  
pauper, 271, 274  
psittacula, 271, 273-274
- Campylorhynchus brunneicapillus, 252  
rufinucha humilis, 175  
rufinucha nigricaudatus, 175
- Canachites canadensis, 375
- Canvasback, 402
- Capella gallinago, 154, 157
- Capercaillie, 111, 315, 318-319, 377, 383
- Cardinal, 225-232, 333, 351
- Cardinalis cardinalis, 333, 351
- Carpodacus cassinii, 407  
mexicanus, 82, 246
- Casmerodius albus, 254, 265, 268, 352  
egretta, 265
- Cassidix mexicanus, 84, 358  
mexicanus prosopidicola, 190-199
- Catbird, 165, 405, 409
- Catharacta maccormicki, 127-130  
skua, 269, 306, 357, 472
- Cathartes aura, 66, 358
- Catharus frantzii, 301, 304  
fuscescens, 301-304, 405  
guttata, 301-304  
minima, 301-304, 361  
ustulatus, 301-304, 405
- Catherpes, 120, 137, 138  
mexicanus, 119, 138
- Catoptrophorus semipalmatus, 269, 358
- Cephus columba, 307
- Cerorhinca monocerata, 463
- Certhia, 120  
discolor, 119  
familiaris, 119  
himalayana, 119
- Certhidea olivacea, 270-271, 274
- Ceryle torquata, 358
- Chachalaca, Black, 139
- Chaffinch, 54, 251
- Chamaea fasciata, 93, 325
- Charadrius, 358  
alexandrinus, 483  
semipalmatus, 154, 157, 265, 268, 274, 337, 483  
vociferus, 157, 268, 403  
wilsonia, 268, 483
- Chat, Yellow-breasted, 92
- Chaulelasmus streperus, 240
- Chen caerulescens, 401  
hyperborea, 156
- Chickadee, Black-capped, 333

- Chicken, Domestic, 1, 12, 108, 111, 113  
*Chlidonias niger*, 403  
*Chlorospingus ophthalmicus*, 363  
*Chondestes grammacus*, 93, 408  
*Chordeiles acutipennis*, 270  
   *minor*, 270, 403  
   *minor henryi*, 241, 325  
   *minor howelli*, 325  
*Chrysococcyx caprius*, 417–425, 430–435  
   *cupreus*, 417, 422–423, 435  
   *flavigularis*, 417  
   *klaas*, 417, 422–423, 434–435  
*Ciconia ciconia*, 24  
   *maltha*, 243–244  
 Ciconidae, 17  
 Cinclidae, 459  
*Cinclus mexicanus*, 457  
*Circus buffoni*, 477  
   *cyaneus*, 221, 402, 452, 466  
*Clamator glandarius*, 423, 428–429, 434–435  
   *jacobinus*, 417, 423–427, 429–431, 434–435  
   *jacobinus jacobinus*, 424  
   *jacobinus serratus*, 423  
   *levaillantii*, 423, 428, 434–435  
*Clangula hyemalis*, 154, 156, 402  
 Clapp, Roger B., see Skaar, P. D.  
 Clark, George A., Jr., Notched toe pads in climbing  
   Oscines, 119–120  
*Climacteris erythroptis*, 119  
   *leucophaea*, 119  
   *melanura*, 119  
*Coccyzus americanus*, 416, 431  
   *erythroptis*, 165–167, 270, 431  
   *melacoryphus*, 270, 273–274  
   *pumilus*, 357–358  
*Coereba flaveola*, 359  
*Colaptes auratus*, 215, 218, 350, 404  
   *cafer*, 215, 218, 404  
*Colinus virginianus*, 243, 325  
   *virginianus ridgwayi*, 178  
*Columba cayennensis*, 358  
   *livia*, 1, 416  
 Condor, Andean, 60–68  
   California, 65–67  
*Contopus sordidulus*, 93, 404  
 Coot, American, 403, 409  
*Coragyps atratus*, 358  
 Cormorant, Brandt's, 70  
   Double-crested, 70, 71, 73, 76–77, 254  
   Flightless, 267  
   Neotropic, 358  
 Corvidae, 107  
*Corvus albus*, 428  
   *brachyrhynchus*, 217–218, 243, 369, 405  
   *caurinus*, 333  
   *corax*, 155, 160  
*Cossypha caffra*, 431  
*Coturnix coturnix*, 1, 111  
 Coulter, Malcolm C., and Robert W. Risebrough,  
   Shell-thinning in eggs of the Ashy Petrel  
   (*Oceanodroma homochroa*) from the Farallon  
   Islands, 254–255  
 Cowbird, Brown-headed, 80–98, 351–352, 407, 409  
   Shiny, 358  
 Crane, Grey-breasted, 476  
   Paint-billed, 268  
   Yellow-breasted, 475–477  
 Crane, Sandhill, 333  
*Creagrus furcatus*, 269  
*Crocethia alba*, 269, 274  
 Crossin, Richard S., and Charles A. Ely, A new race  
   of Sumichrast's Wren from Chiapas, México,  
   137–139  
*Crotophaga ani*, 358, 431  
   *sulcirostris*, 32, 270, 431  
 Crow, Common, 217–219, 243, 369, 405, 409, 411  
   Northwestern, 333  
   Pied, 428  
*Cuculus cafer*, 429  
   *canorus*, 97, 414, 429–435  
   *canorus canorus*, 430  
   *canorus gularis*, 429–430  
   *clamosus*, 429–430, 434  
   *solitarius*, 429–431, 434–435  
 Cuckoo, 414–438  
   African, 429  
   Black, 429  
   Black-billed, 165–167, 270  
   Dark-billed, 270  
   Diederik, 417, 421  
   Dwarf, 357–358  
   Emerald, 417, 422–423  
   European, 430  
   Great Spotted, 423, 428  
   Jacobin, 417, 423–427  
   Klaas, 417, 422–423  
   Red-chested, 429–430  
   Striped, 423, 428  
*Curlew, Bristle-thighed*, 157, 161, 337–338, 340, 342  
   Eskimo, 132  
   Long-billed, 403  
   Stone, 342  
*Cyanerpes cyaneus*, 359  
*Cyanocitta cristata*, 218, 333  
   *stelleri*, 1–15, 218  
*Cyclorhynchus psittacula*, 307

## D

- Daphoenositta miranda*, 119  
*Daption capense*, 267  
 Davis, Betty S., see Davis, Steven  
 Davis, John, see Davis, Steven  
 Davis, Steven, Betty S. Davis, and John Davis, Some  
   factors affecting foraging behavior of Plain  
   Titmice, 481–482  
*Dendragapus obscurus*, 114–118, 312, 345, 384  
*Dendrocincla homochroa*, 139  
 Dendrocolaptidae, 119  
*Dendrocopos borealis*, 217  
   *villosus*, 350  
*Dendrocygna*, 246  
   *arcuata*, 247  
   *autumnalis*, 247, 268  
   *bicolor*, 247  
   *eytoni*, 246–247  
*Dendroica*, 109, 111  
   *auduboni*, 93  
   *caerulescens*, 483  
   *castanea*, 358  
   *chrysoparia*, 483  
   *coronata*, 110–111  
   *coronata auduboni*, 406  
   *nigrescens halsei*, 241  
   *occidentalis*, 363  
   *petechia*, 82, 155, 160, 270, 273–274, 358, 361,  
   406  
   *striata*, 160  
   *tigrina*, 350  
   *townsendi*, 363, 406  
   *virens*, 363

- DeWolfe, Barbara, George C. West, and Leonard J. Peyton, The spring migration of Gambel's Sparrows through southern Yukon Territory, 43-59
- Diamond, H. W., Notes on the breeding biology and behavior of the Magnificent Frigatebird, 200-209
- Dickcissel, 165, 230, 241, 298
- Dickerman, Robert W., Further notes on the Western Grebe in México, 131-132
- Dickerman, Robert W., A review of the White-breasted Wood Wrens of México and Central America, 361-363
- Diehl, Barbara, and Andrzej Myrcha, Bioenergetics of nestling Red-backed Shrikes (*Lanius collurio*), 259-264
- Diomedea epomophora, 267  
 exulans, 267  
 irrorata, 267
- Dipper, 457-459
- Dolichonyx, 109  
 oryzivorus, 111, 270, 363, 407
- Dove, Barbary, 444  
 Galápagos, 270  
 Mourning, 145, 246, 353, 403  
 Ringed Turtle, 1  
 Rock, 1, 416
- Dowitcher, 243  
 Long-billed, 156, 158, 241  
 Short-billed, 240, 269, 339
- Dryocopus pileatus, 349
- Duck, Black, 125  
 Black-bellied Tree, 247, 268  
 Blue, 247  
 Harlequin, 307  
 Masked, 477  
 Mexican, 120-121  
 Plumed Whistling, 246  
 Ring-necked, 402  
 Ruddy, 402  
 Tufted, 364, 366  
 Wood, 401
- Dumetella carolinensis, 405
- Dunlin, 157-158, 162, 337, 339
- E**
- Eagle, Bald, 107, 121-123, 466  
 Bateleur, 106-107  
 Fish, 25  
 Golden, 123, 158, 452
- Egret, Cattle, 268, 358, 475, 480-481  
 Common, 254, 268, 352  
 Snowy, 268, 358
- Egretta thula, 275, 358
- Eider, Common, 156, 364, 366  
 Spectacled, 156  
 Steller's, 153, 156
- Elaenia flavogaster, 358
- Elaenia, Yellow-bellied, 358
- Elanus leucurus, 359, 475, 483
- Ellison, Laurence N., Seasonal social organization and movements of Spruce Grouse, 375-385
- Ely, Charles A., see Crossin, Richard S.
- Emberiza citrinella, 432
- Emison, William B., see White, Clayton M.
- Emlen, John T., Vocal stimulation in the Great Horned Owl, 126-127
- Empidonax difficilis, 93, 404  
 minimus, 165-166  
 oberholseri, 404  
 traillii, 93, 404
- Endomychura hypoleuca, 253
- Engen, Christopher W., see Beck, Benjamin B.
- Ephippiorhynchus senegalensis, 17-20, 22-26
- Eremophila alpestris, 404
- Eremopterix verticalis, 444
- Ereunetes mauri, 269, 483  
 pusillus, 269
- Erolia bairdii, 132, 269  
 fuscicollis, 132, 269  
 melanotos, 269  
 minutilla, 269
- Erythropterygia coryphaeus, 421
- Escalante, Rodolfo, The Cayenne Tern in Brazil, 470-471
- Estrilda astrild, 97
- Eudocimus ruber, 474
- Eugenes fulgens, 346-349
- Euphagus carolinus, 160  
 cyanocephalus, 81, 392, 407
- Eupherusa eximia, 139
- Euplectes orix, 421-422
- F**
- Falco columbarius, 402  
 mexicanus, 452  
 peregrinus, 254, 268, 306  
 rusticolus, 155, 159, 306, 360  
 sparverius, 215, 221, 402, 466
- Falcon, Peregrine, 254, 268, 306
- Prairie, 452-453  
 Pygmy, 107
- Farner, Donald S., see Lewis, Robert A.
- Feduccia, Alan, Fossil birds from the late Pleistocene Ingleside fauna, San Patricio County, Texas, 243-244
- Fieldfare, 301
- Finch, Cactus, 271  
 Cassin's, 407, 409  
 Gray-crowned Rosy, 114, 160, 307-309  
 House, 92-95, 246  
 Large Cactus, 271  
 Large Ground, 271  
 Large Tree, 271  
 Mangrove, 271  
 Medium Ground, 271  
 Medium Tree, 271  
 Sharp-beaked Ground, 271  
 Small Ground, 271  
 Small Tree, 271  
 Vegetarian, 271  
 Warbler, 271  
 Woodpecker, 271  
 Zebra, 230, 444
- Flamingo, Greater, 268
- Flicker, Common, 404, 409, 411  
 Red-shafted, 221  
 Yellow-shafted, 350
- Florida caerulea, 358
- Flycatcher, Dusky, 404, 409  
 Fiscal, 423  
 Large-billed, 270  
 Least, 165-166  
 Olive-sided, 404  
 Rusty-margined, 358  
 Short-crested, 358  
 Slaty-headed, 139  
 Traill's, 92-93  
 Vermilion, 270  
 Western, 92-93, 404  
 Willow, 404

- Fratercula arctica*, 344  
     *corniculata*, 307  
*Fregata*, 203, 208  
     *andrewsi*, 200, 203  
     *aquila*, 200–204  
     *ariel*, 200–201, 203, 206–207  
     *magnificens*, 200–209, 267, 358  
     *minor*, 200–203, 206, 267  
*Fregetta grallaria*, 267  
*Frigatebird*, Great, 267  
     Magnificent, 200–209, 267, 358  
*Fringilla coelebs*, 54, 251  
*Fulica americana*, 403  
*Fulmar*, 473  
     Giant, 472–474  
*Fulmarus glacialis*, 473
- G**
- Gadwall*, 240  
 Gailey, Janet, and Niels Bolwig, Observations on the behavior of the Andean Condor (*Vultur gryphus*), 60–68  
*Gallinule*, Common, 268  
     Purple, 268  
*Gallinula chloropus*, 268  
*Gallus gallus*, 1, 108–109, 111, 113  
*Garrulus glandularius*, 342  
     *lanceolatus*, 252  
*Gavia arctica*, 154  
     *immer*, 401  
     *stellata*, 154  
 Gelfand, Peter W., see Beck, Benjamin B.  
*Geococcyx californianus*, 106, 140–148, 246, 431  
     *velox*, 147  
*Geocolaptes olivaceus*, 428  
*Geospiza conirostris*, 271–274  
     *difficilis*, 271–274  
     *fortis*, 271–274  
     *fuliginosa*, 271–274  
     *magnirostris*, 270–274  
     *scandens*, 271, 274  
*Geospizinae*, 275  
*Geothlypis aequinoctialis*, 476  
     *semiflava*, 358  
     *trichas*, 93, 357–358, 407, 475–476  
 Gill, Frank B., F. J. Stokes, and C. Stokes, Contact zones and hybridization in the Jamaican Hummingbird, *Trochilus polytmus* (L.), 170–176  
*Gnatcatcher*, Blue-gray, 92–93, 97  
     Tropical, 358  
 Gochfeld, Michael, Confused nocturnal behavior of a flock of migrating Yellow Wagtails, 252–253  
 Gochfeld, Michael, Observations on new or unusual birds from Trinidad, West Indies, and comments on the genus *Plegadis* in Venezuela, 474–478  
*Godwit*, Bar-tailed, 158–159  
     Hudsonian, 403  
     Marbled, 269, 403  
*Goldeneye*, Barrow's, 402  
     Common, 307, 366, 402  
*Goldfinch*, American, 92, 95, 165, 407  
     Lesser, 92–93, 95  
*Goldmania*, 170  
*Goose*, Blue, 124–125  
     Canada, 124–125, 230, 240, 330, 401  
     Emperor, 155, 158, 161  
     Ross', 125  
     Snow, 156, 161, 401  
     White-fronted, 154–155, 161
- Gotie, Robert F., and James C. Kroll, Growth rate and ontogeny of thermoregulation in nestling Great-tailed Grackles, *Cassidix mexicanus prosopidicola* (Icteridae), 190–199  
*Grackle*, Boat-tailed, 84  
     Common, 397, 407  
     Great-tailed, 190–199, 358  
*Grassquit*, Blue-black, 359  
*Grebe*, Eared, 401  
     Horned, 401  
     Pied-billed, 243, 267, 401  
     Red-necked, 154, 401  
     Western, 131–132, 401  
*Grosbeak*, Black-headed, 82, 92, 407  
     Evening, 333  
*Grouse*, Black, 111, 377  
     Blue, 114–118, 312–320, 345–346, 384  
     Hazel, 383  
     Red, 293, 320, 375, 377, 383–384  
     Ruffed, 345, 375, 383  
     Spruce, 375–384  
*Grus canadensis*, 154, 157, 333  
*Guillemot*, Pigeon, 307  
*Gull*, Black-headed, 307  
     Franklin's, 269  
     Glaucous, 159  
     Glaucous-winged, 309  
     Herring, 1, 417, 473, 478–480  
     Laughing, 205, 208, 269, 352, 358  
     Lava, 269  
     Lesser Black-beaked, 1  
     Mew, 159  
     Ring-billed, 302  
     Sabine's, 159  
     Swallow-tailed, 269  
     Western, 71, 73, 460, 483–485  
*Gygis alba*, 270  
*Gymnogyps californianus*, 65  
*Gymnorhinus cyanocephalus*, 251  
*Gyr Falcon*, 159, 306, 360  
*Gyps africanus*, 107
- H**
- Hadow, Harlo H., Winter ecology of migrant and resident Lewis' Woodpeckers in southeastern Colorado, 210–224  
*Haematopus ostralegus*, 230, 265, 268, 275, 298  
     *palliatus*, 265  
*Haliaeetus leucocephalus*, 107, 121–123, 466  
     *vocifer*, 25  
 Harmeson, Janet C., see Willson, Mary F.  
*Harrier*, Long-winged, 477  
 Harris, M. P., The Galápagos Avifauna, 265–278  
*Hawk*, Broad-winged, 107  
     Cooper's, 221, 240, 402, 461–463, 469  
     Ferruginous, 402, 452  
     Galápagos, 268  
     Harrier, 25  
     Harris', 240, 466  
     Marsh, 221, 402, 452, 466, 469  
     Pigeon, 402  
     Red-shouldered, 240  
     Red-tailed, 221, 240, 402, 409, 452, 466, 468  
     Rough-legged, 158, 160, 360  
     Sharp-shinned, 221, 402, 469  
     Sparrow, 215, 221, 402, 409, 466, 468–469  
     Swainson's, 402, 452, 469  
     White-shouldered, 240  
*Hawk-Eagle*, Black, 139

- Hendrickson, H. T., and Marie Yow, The relationships of the Wood Thrush (*Hylocichla mustelina*): some indications from the electrophoresis of blood proteins, 301-305
- Henicorhina leucosticta, 361
- leucosticta costaricensis**, 362
- leucosticta pittieri, 361-362
- leucosticta prosthelauca, 361
- leucosticta smithei**, 362
- leucosticta tropaea, 361-362
- Heron, Black-crowned Night, 268, 401
- Chestnut-bellied, 476
- Great Blue, 254, 267, 352, 401
- Lava, 267
- Little Blue, 358
- Striated, 267, 358
- Yellow-crowned Night, 268, 358
- Hesperiphona vespertina, 333
- Heteroscelus incanus, 157, 265, 269, 307, 310, 337
- Himantopus himantopus, 265, 269
- mexicanus, 265
- Hirundo rustica, 92, 165-166, 270, 358, 405
- Histrionicus histrionicus, 307
- Holmes, Richard T., and Craig P. Black, Ecological distribution of birds in the Kolomak River-Askinuk Mountain Region, Yukon-Kuskokwim Delta, Alaska, 150-163
- Honeycreeper, Red-legged, 359
- Hoopoe, 428
- Hornbill, Casqued, 350
- Hummingbird, Allen's, 244
- Anna's, 244
- Black-chinned, 333, 403
- Blue-throated, 346
- Broad-tailed, 346
- Calliope, 404, 409
- Fiery-throated, 347
- Jamaican, 170-176
- Rivoli's, 346
- Rufous, 244, 246, 404, 409
- Rufous-tailed, 358
- Stripe-tailed, 139
- Hunn, Eugene, Noteworthy bird observations from Chiapas, México, 483
- Hunt, George L., Jr., and Molly W. Hunt, Clutch size, hatching success, and eggshell-thinning in Western Gulls, 483-486
- Hunt, Molly W., see Hunt, George L., Jr.
- Hylocharis grayi, 358
- Hylocichla minima, 155, 160
- mustelina, 111, 301-305
- Hylorchilus sumichrasti, 137-139
- sumichrasti navai**, 137-139
- sumichrasti sumichrasti, 137-139
- Hypositta corallirostris, 119
- I**
- Ibis, Dark, 475
- Glossy, 475, 477
- Scarlet, 474
- White-faced, 475
- Ibis, 17
- Ibis ibis, 20
- Icteridae, 190
- Icterus bullockii, 93
- chrysater, 358
- galbula bullockii, 407
- Inezia, 249-250
- inornata, 249-250
- subflava, 249-250
- tenuirostris, 249-250
- Iridoprocne bicolor, 92, 159, 400, 404
- Ixobrychus exilis, 476
- involutus, 476
- Ixoreus naevius, 155, 160, 405
- J**
- Jabiru mycteria, 17, 19-26, 243
- Jaeger, Long-tailed, 159
- Parasitic, 159, 309
- Pomarine, 159, 269
- Jay, Blue, 218-219, 333
- Gray, 361
- Lanceolated, 252
- Piñon, 251
- Steller's, 1-15, 218-219
- Jehl, Joseph R., Jr., Studies of a declining population of Brown Pelicans in northwestern Baja California, 69-79
- Johansen, Kjell, see Milsom, William K.
- Johnson, Loyal, see Weeden, Robert B.
- Johnson, Oscar W., Reproductive condition and other features of shorebirds resident at Eniwetok Atoll during the boreal summer, 336-343
- Johnston, David W., Cytological and chemical adaptations of fat deposition in migratory birds, 108-113
- Junco, Dark-eyed, 279, 408, 411
- Oregon, 218-219, 443-444
- Slate-colored, 43
- Junco hyemalis, 43, 279, 283, 408
- oreganus, 218, 443
- K**
- Kahl, M. P., Comparative ethology of the Ciconiidae. Part 6. The Blacknecked, Saddlebill, and Jabiru Storks (Genera Xenorhynchus, Ephippiorhynchus, and Jabiru), 17-27
- Kilham, Lawrence, Unusual attack of intruding male on a nesting pair of Pileated Woodpeckers, 349-350
- Killdeer, 268, 403, 409, 411
- King, Warren B., and Jeffrey L. Lincer, DDE residues in the endangered Hawaiian Dark-rumped Petrel (*Pterodroma phaeopygia sandwichensis*), 460-461
- Kingbird, Eastern, 164-167, 404
- Tropical, 358
- Western, 404
- Kingfisher, 146
- Belted, 218-219, 270, 404
- Ringed, 358
- Kinglet, Ruby-crowned, 405
- Kite, White-tailed, 359-360, 475, 483
- Kittiwake, Black-legged, 159, 307
- Knot, 269, 337, 339
- Kiwi, 111
- Kroll, James C., see Gotie, Robert F.
- L**
- Lagopus, 360
- lagopus, 55, 111, 155, 159, 293, 333, 375, 383
- lagopus scoticus, 293, 320
- leucurus, 293, 345
- mutus, 111, 155, 159, 293, 307, 309, 377
- Lampornis clemenciae, 346-349

- Lampronetta fischeri*, 154, 156  
*Lamprotornis nitens*, 428-429  
*Laniarius ferrugineus*, 429  
*Lanius*, 289, 423  
     *collurio*, 259  
     *excubitor*, 155, 160, 252, 361  
     *ludovicianus*, 167, 406  
 Lark, Greybacked Finch, 444  
     Horned, 404, 411  
     Stark's, 444  
*Larus argentatus*, 155, 417, 473, 478, 485  
     *atricilla*, 205, 269, 352, 358  
     *canus*, 155, 159  
     *delawarensis*, 302-303  
     *fuliginosus*, 269, 275  
     *fuscus*, 155, 485  
     *glaucescens*, 309, 485  
     *hyperboreus*, 155, 159  
     *occidentalis*, 460, 483  
     *pipixcan*, 269  
     *ridibundus*, 307  
*Laterallus exilis*, 476  
     *spilonotus*, 268  
 Leafscraper, Scaly-throated, 139  
 Leck, Charles F., Pelicans in the city of Lima, Peru, 357  
*Leptotilos*, 17, 25-26  
     *crumeniferus*, 19, 21, 25  
 Le Resche, Robert E., see Ainley, David G.  
*Leucophoyx thula*, 268  
*Leucosticte tephrocotis*, 114, 160, 307, 309  
 Lewis, Robert A., and Donald S. Farnier, Temperature modulation of photoperiodically induced vernal phenomena in White-crowned Sparrows (*Zonotrichia leucophrys*), 279-286  
 Levy, J. J., see Tomlinson, Roy E.  
 Levy, Seymour H., see Tomlinson, Roy E.  
*Limnodromus*, 243  
     *griseus*, 240, 269, 339  
     *griseus griseus*, 241  
     *griseus hendersoni*, 241  
     *scolopaceus*, 158, 241, 269  
*Limosa fedoa*, 132, 269, 403  
     *haemastica*, 403  
     *lapponica*, 154, 158  
 Lincer, Jeffrey L., see King, Warren B.  
*Lobipes lobatus*, 154, 158, 265, 269, 403  
*Locustella fasciolata*, 111  
*Longspur*, Chestnut-collared, 241, 408  
     Lapland, 43, 55, 57, 159, 161, 162, 307-310, 352  
*Loon*, Arctic, 154  
     Common, 401  
     Red-throated, 154  
*Lophodytes cucullatus*, 402  
*Lophortyx californicus*, 246, 319, 345, 469  
     *gambelii*, 466  
*Lunda cirrhata*, 307  
*Lurocalis semitorquatus*, 477  
*Luscinia luscinia*, 292  
 Lyon, David L., Territorial and feeding activity of Broad-tailed Hummingbirds (*Selasphorus platycercus*) in *Iris missouriensis*, 346-349  
*Lyrurus tetrix*, 111, 315, 377
- M**
- MacInnes, C. D., see Prevett, J. P.  
*Macronectes giganteus*, 472  
 Magpie, 434  
     Black-billed, 216-219  
*Mallard*, 1, 113-114, 120, 125, 156, 307, 330-334, 337, 364-366  
*Manacus vitellinus*, 358  
 Manakin, Golden-collared, 358  
*Mareca americana*, 156  
 Martin, Dennis J., Selected aspects of Burrowing Owl ecology and behavior, 446-456  
 Martin, Donn D., and Albert H. Meier, Temporal synergism of corticosterone and prolactin in regulating orientation in the migratory White-throated Sparrow (*Zonotrichia albicollis*), 369-374  
 Martin, Galápagos, 270  
     Purple, 270  
 McClelland, B. Riley, Autumn concentrations of Bald Eagles in Glacier National Park, 121-123  
*Meadowlark*, Western, 92-93, 407, 409, 411  
*Mecocerculus*, 249  
*Megasceryle alcyon*, 218, 270, 404  
 Meier, Albert H., see Martin, Donn D.  
*Melanerpes erythrocephalus*, 212  
     *formicivorus*, 210  
     *pucherani*, 358  
*Meleagris gallopavo*, 243  
*Melopsittacus undulatus*, 444  
*Melospiza lincolni*, 408  
     *melodia*, 81, 165, 225-232, 408  
     *melodia melodia*, 351  
*Merganser*, Common, 402  
     Hooded, 402  
     Red-breasted, 156, 307  
*Mergus merganser*, 402  
     *serrator*, 154, 156, 307  
*Micrathene whitneyi*, 451  
*Microcerculus*, 138  
*Micropalama himantopus*, 269  
 Millard, Ronald W., see Milsom, William K.  
 Milsom, William K., Kjell Johansen, and Ronald W. Millard, Blood respiratory properties in some antarctic birds, 472-473  
*Mimus polyglottus*, 93  
*Mniotilta varia*, 119  
*Mockingbird*, 92-95  
     Charles, 270  
     Chatham, 270  
     Galápagos, 270  
     Hood, 270  
 Moldenhauer, Ralph R., and Patricia G. Taylor, Energy intake by hypopenic Chipping Sparrows (*Spizella passerina passerina*) maintained on different diets, 439-445  
*Molothrus ater*, 80-98  
     *ater ater*, 351-352, 407  
     *ater obscurus*, 351  
     *bonariensis*, 358  
 Morton, Martin L., and David E. Welton, Postnuptial molt and its relation to reproductive cycle and body weight in mountain White-crowned Sparrows (*Zonotrichia leucophrys oriantha*), 184-189  
 Moss, Robert, The digestion and intake of winter foods by wild ptarmigan in Alaska, 293  
*Motacilla*, 287, 290, 421  
     *alba*, 252  
     *cinerea*, 252  
     *flava*, 155, 160, 252  
 Müller-Schwarze, Christine, see Müller-Schwarze, Dietland  
 Müller-Schwarze, Dietland, and Christine Müller-Schwarze, Differential predation by South Polar Skuas in an Adélie Penguin rookery, 127-131

- Murre, Common, 77, 254, 461  
 Murrelet, Ancient, 307-309  
     Kittlitz's, 457  
     Xantus', 253  
 Myadestes townsendi, 405  
 Myceteria, 17  
     americana, 244  
 Myiarchus ferox, 358  
     magnirostris, 270, 273-274  
 Myiozetetes cayanensis, 358  
 Myrcha, Andrzej, see Diehl, Barbara  
 Myrmotherula surinamensis, 358
- N**
- Nannopterum harrisi, 267, 275  
 Neal, Charles M., Cooling rates and development of  
     homeothermy in the Brown-headed Cowbird  
     (*Molothrus ater ater*), 351-352  
 Neocrex erythroptus, 268, 275  
 Neositta chrysoptera, 119  
     leucocephala, 119  
     leucoptera, 119  
     pileata, 119  
 Nesomimus macdonaldi, 270  
     melanotis, 270  
     parvulus, 270, 272-273  
     trifasciatus, 270, 272, 276  
 Nighthawk, Common, 241, 270, 403, 409  
     Semi-collared, 477  
 Nightingale, Thrush, 292  
 Niles, David M., Geographic and seasonal variation in  
     the occurrence of incompletely pneumatized  
     skulls in the House Sparrow, 354-356  
 Noddy, Brown, 270  
 Notornis mantelli, 111  
 Numenius americanus, 403  
     borealis, 132  
     phaeopus, 265, 269, 336, 358  
     tahitiensis, 157, 337  
 Nuthatch, Red-breasted, 405  
 Nuttallornis borealis, 404  
 Nyctanassa violacea, 268, 358  
 Nyctea scandiaca, 159, 230  
 Nyctibius griseus, 477  
 Nycticorax nycticorax, 268, 401  
 Nyctidromus albicollis, 358
- O**
- Oceanodroma castro, 267  
     furcata, 307  
     homochroa, 77, 254  
     leucorhoa, 267, 307, 309, 344  
     markhami, 267  
     tethys, 267  
 Oceanites oceanicus, 344  
 Oenanthe oenanthe, 160, 361  
 Ohmart, Robert D., Observations on the breeding  
     adaptations of the Roadrunner, 140-149  
 Oidemia nigra, 156  
 Oldsquaw, 154, 156, 162, 402  
 Olor columbianus, 154, 401  
 Oporornis tolmiei, 406  
 Orians, Gordon H., The Red-winged Blackbird in  
     tropical marshes, 28-42  
 Oriole, Bullock's, 92-93  
 Oriole, Northern, 407  
     Yellow-backed, 358  
 Oriturus superciliosus palliatus, 241  
 Osborne, Timothy O., Recent nesting of the Rhinoceros  
     Auklet in California, 463-464
- Osprey, 70, 159, 268, 352, 358, 402  
 Ostrich, 68  
     African, 100-105  
 Otus, 358  
 Owl, Barn, 270, 447, 453-454  
     Burrowing, 446-455, 465  
     Elf, 451  
     Great Horned, 126-127, 251, 452-454  
     Screech, 358  
     Short-eared, 159, 270  
     Snowy, 158-159, 230  
     Unspotted Saw-whet, 483  
 Oxyura dominica, 477  
     jamaicensis, 402  
 Oystercatcher, 268  
     European, 230, 298
- P**
- Pandion haliaetus, 159, 268, 352, 358, 402  
 Panterpe insignis, 245, 347  
 Parabuteo unicinctus superior, 240, 466  
 Pardirallus maculatus, 477  
 Parkes, Kenneth C., Distribution and generic place-  
     ment of the Plain Tyrannulet (*Inezia inornata*),  
     249-250  
 Parrot, 358  
 Parulidae, 119  
 Parus, 230  
     atricapillus, 333  
     inornatus, 481  
     major, 146, 283  
 Passer domesticus, 109-110, 165, 188, 218, 242-243,  
     262, 275, 283, 287, 290, 354  
     domesticus domesticus, 290  
     melanurus, 430  
     montanus, 165, 290  
 Passerculus sandwichensis, 155, 160, 408  
 Passerella iliaca, 155, 160, 408  
 Passerina, 109  
     amoena, 407  
     cyanea, 108, 110-111, 369  
 Pauraque, 358  
 Payne, Robert B., The breeding season of a parasitic  
     bird, the Brown-headed Cowbird, in central  
     California, 80-99  
 Payne, Robert B., Individual laying histories and the  
     clutch size and numbers of eggs of parasitic  
     Cuckoos, 414-438  
 Peewee, Western Wood, 92-93, 404  
 Pelagodroma marina, 267  
 Pelecanus occidentalis, 69-77, 205, 254, 267, 357-358  
     thagus, 357  
 Pelican, Brown, 69-77, 205, 254, 267, 357-358  
     Peruvian, 357  
 Penelopina nigra, 139  
 Penguin, Adélie, 127-130, 235-239, 306, 472-473  
     Chinstrap, 472-474  
     Emperor, 473  
     Galápagos, 266  
     Gentoo, 472-473  
 Perisoreus canadensis, 361  
 Petrel, Ashy, 77, 254  
     Band-rumped, 267  
     Bermuda, 460  
     Black-capped, 253  
     Dark-rumped, 460-461  
     Fork-tailed, 307  
     Leach's, 267, 307, 309, 344-345  
     Parkinson's, 267  
     Scaled, 307



- Sooty Storm, 267  
 Wedge-rumped, 267  
 White-bellied Storm, 267  
 White-faced Storm, 267  
 Wilson's, 344  
*Petrochelidon pyrrhonota*, 155, 159, 207, 356, 405  
 Peyton, Leonard J., see De Wolfe, Barbara B.  
*Phaemyias*, 249  
*Phaethornis*, 244  
   *superciliosus*, 245  
*Phalacrocorax auritus*, 70, 254  
   *olivaceus*, 358  
   *penicillatus*, 70  
*Phalarope*, Northern, 158, 162, 269, 403  
   Red, 158, 269, 307  
   Wilson's, 269, 339, 400, 403  
*Phalaropus fulicarius*, 154, 158, 269, 307  
*Phasianus colchicus*, 319, 416  
*Pheasants*, Ring-necked, 319, 416–417  
*Pheucticus melanocephalus*, 82, 407  
*Philacte canagica*, 154–155  
*Philomachus pugnax*, 475–476  
*Phoebe*, Black, 92–93, 95, 361  
   Eastern, 165–166, 361  
   Say's, 92, 360–361, 404  
*Phoenicopterus ruber*, 268, 275  
*Phylloscopus borealis*, 361  
*Pica pica*, 217–218, 434  
*Picoides*, 217  
*Pigeon*, 38  
   Cape, 267  
 Pimm, S. L., The molt of the European Whitethroat, 386–391  
*Pintail*, 154, 156, 162, 307, 401  
   White-cheeked, 268  
*Pipilio erythrophthalmus*, 93, 408  
   *fuscus*, 145  
   *fuscus mesatus*, 325  
*Pipit*, Meadow, 414  
   Richard's, 292  
   Sandy Plain-backed, 287  
   Tawny, 292  
   Water, 160, 185, 287, 292, 406, 409  
*Piranga ludoviciana*, 407  
   *rubra*, 270  
*Platypiza crassirostris*, 271, 274  
*Plectrophenax hyperboreus*, 161  
   *nivalis*, 151, 161, 252, 292, 307, 309, 352  
*Plegadis*, 477  
   *chihi*, 475  
   *falcinellus*, 475  
   *guarauna*, 475  
*Ploceus cucullatus*, 25  
   *velatus*, 421–422  
*Plover*, 358  
   American Golden, 157, 307, 309, 336–342  
   Black-bellied, 157, 268, 337, 340  
   Golden, 268  
   Semipalmated, 157, 268, 337, 339  
   Snowy, 483  
   Wilson's, 268, 483  
*Pluvialis dominica*, 154, 268, 307, 309  
   *dominica fulva*, 336–337  
   *squatarola*, 337  
*Podiceps auritus*, 401  
   *grisegena*, 154, 401  
   *nigricollis*, 401  
*Podilymbus podiceps*, 243, 267, 401  
*Polihierax semitorquatus*, 107  
*Polioptila caerulea*, 93  
   *plumbea*, 358  
*Polyboroides typus*, 25  
*Polysticta stelleri*, 156  
*Poecetes gramineus*, 408, 444  
   *gramineus gramineus*, 351  
*Porphyryla martinica*, 268  
*Porzana*, 109  
   *albicollis*, 476  
   *carolina*, 111, 178, 402, 476–477  
   *flaviventer*, 475–477  
*Potoo*, Common, 477  
*Powers*, Leon R., Record of a Robin feeding shrews to its nestlings, 248  
*Prevett*, J. P., and C. D. MacInnes, Observations of wild hybrids between Canada and Blue Geese, 124–125  
*Price*, Frank E., and Carl E. Bock, Polygyny in the Dipper, 457–459  
*Prince*, Harold H., see Smith, Kirtland G.  
*Progne modesta*, 270, 274  
   *subis*, 270  
*Procellaria parkinsoni*, 267  
*Protonotaria citrea*, 483  
*Ptarmigan*, Rock, 111, 159, 293–300, 307–309, 377, 383–384  
   White-tailed, 293–300, 345  
   Willow, 55, 111, 159, 293–300, 333, 383  
*Pterodroma cahow*, 460  
   *hasitata*, 253  
   *inexpectata*, 307  
   *phaeopygia*, 267, 275, 277  
   *phaeopygia sandwichensis*, 460  
*Ptychoramphus aleuticus*, 310, 460  
*Puffin*, Common, 344  
   Horned, 307  
   Tufted, 307  
*Puffinus carneipes*, 267  
   *griseus*, 267  
   *lherminieri*, 265, 267  
   *obscurus*, 265  
   *pacificus*, 267  
   *puffinus*, 71, 344  
   *tenuirostris*, 460  
*Pycnonotus barbatus*, 425  
   *capensis*, 426  
*Pygoscelis adeliae*, 127–130, 235–239, 306, 472  
   *antarctica*, 472  
   *papua*, 472  
*Pyrocephalus dubius*, 265  
   *nanus*, 265  
   *rubinus*, 265, 270, 273–274

## Q

- Quail*, 1, 111  
   California, 246, 319, 345, 469  
   Gambel's, 324, 327, 466–469  
   Scaled, 322–327  
*Quiscalus quiscula*, 165, 397, 407

## R

- Rail*, Clapper, 177–182  
   Galápagos, 268  
   King, 178  
   Sonora Clapper, 177, 180–182  
   Spotted, 477  
   Virginia, 178, 181, 350–351  
   Yuma Clapper, 177–182  
*Rallus elegans*, 178  
   *limicola*, 178, 350–351  
   *longirostris*, 177–182

- longirostris rhizophorae*, 177, 180–182  
*longirostris yumanensis*, 177–182  
 Ralph, Carol Pearson, and Stephen J. Chaplin, Some birds of Isla Punta Arenas, Pacific Coast, Colombia, 357–359  
*Ramphocelus icteronotus*, 359  
 Raven, Common, 160  
 Rea, Amadeo M., The Scaled Quail (*Callipepla squamata*) of the Southwest: systematic and historical consideration, 322–329  
*Recurvirostra americana*, 403  
 Redfield, J. A., Variations in weight of Blue Grouse (*Dendragapus obscurus*), 312–321  
 Redhead, 401  
 Redpoll, Common, 55, 111  
     Hoary, 55  
 Redstart, American, 358, 407, 409  
 Redwing, 301  
 Reese, Jan G., Unusual feeding behavior of Great Blue Herons and Common Egrets, 352  
*Regulus calendula*, 405  
*Rhabdornis mystacalis*, 119  
*Richmondia cardinalis*, 225–232  
*Riparia riparia*, 270, 405  
 Risebrough, Robert W., see Coulter, Malcolm C.  
*Rissa tridactyla*, 159, 307  
 Roadrunner, 106–107, 140–148, 246  
     Lesser, 147–148  
 Robin, 160, 164–167, 248, 358  
     American, 301, 405, 409, 411  
     Cape, 431  
     Clay-colored, 301  
     Karoo, 421  
 Rothstein, Stephen I., Plastic particle pollution of the surface of the Atlantic Ocean: evidence from a seabird, 344–345  
 Rothstein, Stephen I., Variation in the incidence of hatching failure in the Cedar Waxwing and other species, 164–169  
 Ruff, 475–477  
 Rylander, M. Kent, and Eric G. Bolen, Tongue structure of the Plumed Whistling Duck (*Dendrocygna eytoni*), 246–247
- S**
- Sage, Bryan L., Cedar Waxwings in central Alaska, 245–246  
 Sage, Bryan L., Cliff Swallow colony in arctic Alaska, 356  
*Salpinctes obsoletus*, 93  
*Salpormis spilonota*, 119  
*Saltator albicollis*, 359  
*Saltator*, Streaked, 359  
*Sanderling*, 269, 339  
*Sandpiper*, Baird's, 156, 158, 269, 403  
     Least, 269, 403  
     Pectoral, 158, 269  
     Rock, 156, 158, 307–309  
     Semipalmated, 269, 358, 403  
     Solitary, 269, 403  
     Spotted, 156, 161, 269, 358, 361, 403  
     Stilt, 269  
     Western, 157–158, 162, 269, 358, 483  
     White-rumped, 132, 269  
     Wood, 307  
 Sanger, Gerald A., New northern record for *Xantus'* Murrelet, 253  
 Sapphire, Blue-headed, 358  
 Sapsucker, Yellow-bellied, 350, 404, 409  
*Sarcoramphus papa*, 107  
*Sayornis nigricans*, 93, 361  
     phoebe, 165–166, 361  
     saya, 93, 360, 404  
 Scaup, Greater, 309  
     Lesser, 240, 402  
*Sclerurus guatemalensis*, 139  
*Scoter*, Common, 153, 156  
*Scytalopus prosthleucus*, 361  
 Seedeater, Variable, 359  
*Seiurus noveboracensis*, 155, 160, 358, 406  
*Selasphorus*, 244  
     *platycercus*, 346–349  
     *rufus*, 246, 404  
*Serpophaga*, 249–250  
     *cinerea*, 250  
     *hypoleuca*, 250  
     *munda*, 250  
     *subcristata*, 249–250  
*Setophaga ruticilla*, 358, 407  
*Shearwater*, 71  
     Audubon's, 267  
     Manx, 344  
     Pink, 267  
     Slender-billed, 460  
     Sooty, 267  
     Wedge-tailed, 267  
 Shoveler, 156, 240, 243, 401  
 Shrike, Boubou, 429  
     Loggerhead, 167, 406  
     Northern, 160, 252, 361  
     Red-backed, 259–263  
*Sialia currucoides*, 405  
     *mexicana*, 405  
     *sialia*, 165  
*Sigelus silens*, 423  
*Siskin*, Pine, 400, 407, 409  
*Sitta canadensis*, 405  
     *carolinensis*, 119–120  
 Skaar, P. D., Roger B. Clapp, and Richard C. Banks, Re-evaluation of some Montana bird records, 132–133  
*Skua*, 269, 306, 357, 472–474  
     South Polar, 127–130  
 Smith, Kirtland G., and Harold H. Prince, The fasting metabolism of subadult Mallards acclimatized to low ambient temperatures, 330–335  
 Smith, Nigel J. H., House Sparrows (*Passer domesticus*) in the Amazon, 242–243  
*Snipe*, Common, 157  
 Snyder, Helen A., see Snyder, Noel F. R.  
 Snyder, Noel F. R., and Helen A. Snyder, Experimental studies of feeding rates of nesting Cooper's Hawks, 461–463  
*Solitaire*, Townsend's, 405  
*Somateria mollissima*, 154, 156, 364  
*Sora*, 111, 178, 181, 402, 476–477  
 Southwick, Edward Earle, Remote sensing of body temperature in a captive 25-g bird, 464–466  
*Sparrow*, Brewer's, 444  
     Cape, 430  
     Chipping, 92, 164–167, 352, 408–409, 439–444  
     European Tree, 165  
     Field, 230, 352, 408  
     Fox, 60, 408  
     Gambel's, 43–58, 184–188  
     Golden-crowned, 160  
     House, 165, 188, 218–219, 242–243, 262–263, 275, 283, 287, 354–355  
     Lark, 109–110, 408  
     Lincoln's, 408–409  
     Mountain-crowned, 184–188

- Rufous-winged, 145  
 Sage, 92, 443-444  
 Savannah, 159-162, 407, 409  
 Seaside, 94  
 Sharp-tailed, 94  
 Song, 81-82, 92-94, 165, 225-232, 351, 408, 411  
 Striped, 241  
 Tree, 43, 53, 55, 160, 230, 262-263  
 Vesper, 351, 408, 444  
 White-crowned, 53, 57, 82, 107, 160, 184, 279, 333, 408, 443-444, 464-465  
 White-throated, 43, 52-53, 110-111, 230, 248, 269, 374, 482  
*Spatula clypeata*, 156, 240, 243  
*Speotyto cunicularia*, 444, 465  
*Spheniscus mendiculus*, 266, 275  
*Sphyrapicus varius*, 350, 404  
 Spinetail, Slaty, 358  
*Spinus pinus*, 400, 407  
   *psaltria*, 93  
   *tristis*, 165, 407  
*Spiza americana*, 165-166, 230, 241, 298  
*Spizaetus tyrannus*, 139  
*Spizella arborea*, 155, 160, 230  
   *arborea ochracea*, 43, 55  
   *breweri*, 444  
   *passerina*, 93, 164-167, 408, 444  
   *passerina passerina*, 352, 439  
   *pusilla*, 230, 408  
   *pusilla pusilla*, 352  
*Spizocorys starki*, 444  
*Sporophila americana*, 359  
*Spreo bicolor*, 428-429  
*Squatarola squatarola*, 154, 157, 268  
 Starkey, E. E., and J. F. Starkey, Description of an aerial-predator alarm call for Mallard (*Anas platyrhynchos*) ducklings, 364-366  
 Starkey, J. F., see Starkey, E. E.  
 Starling, 146, 218-219, 279, 406, 417  
   Cape Glossy, 428  
   Pied, 428  
*Steganopus tricolor*, 269, 339, 400, 403  
*Stelgidopteryx ruficollis*, 358, 405  
*Stellula calliope*, 404  
 Stendell, Rey C., and Philip Myers, White-tailed Kite predation on a fluctuating vole population, 359-360  
*Stercorarius longicaudus*, 155, 159  
   *parasiticus*, 155, 159, 309  
   *pomarinus*, 159, 269  
*Sterna albifrons*, 133  
   *aleutica*, 307, 310  
   *eurygnatha*, 470  
   *fuscata*, 270  
   *hirundo*, 270  
   *paradisaea*, 155, 159, 270, 307, 310  
   *sandvicensis eurygnatha*, 470  
*Stigmatura*, 249-250  
   *budytoides*, 250  
 Stiles, F. Gary, and Larry L. Wolf, Techniques for color-marking Hummingbirds, 244-245  
 Stilt, Common, 269  
 Stokes, C., see Gill, Frank B.  
 Stokes, F. J., see Gill, Frank B.  
 Stork, Asphalt, 243  
   Black-necked, 17, 26  
   Jabiru, 17, 26  
   Marabou, 19, 24  
   Openbill, 107  
   Saddlebill, 17, 20, 26  
   White, 24  
   Yellow-billed, 20  
*Streptopelia risoria*, 1, 444  
*Streptoprocne zonaris*, 358  
*Struthio camelus*, 100-105  
*Sturnella neglecta*, 93, 407  
*Sturnus vulgaris*, 145, 218, 279, 283, 406  
*Sula dactylatra*, 207, 267  
   *nebouxii*, 267  
   *piscator*, 265  
   *sula*, 205, 265, 267  
 Surfbird, 268  
 Swallow, Bank, 270, 405, 412  
   Barn, 92, 165-166, 270, 358, 405, 409, 412  
   Cliff, 159-160, 270, 356, 405, 409, 412  
   Rough-winged, 358, 405, 412  
   Tree, 92, 159, 400, 404, 409, 411-413  
   Violet-green, 159, 404, 412  
 Swan, Whistling, 401  
 Swift, White-collared, 358  
*Sylvia communis*, 386  
   *communis communis*, 386  
   *communis icterops*, 386  
*Synallaxis brachyura*, 358  
*Synthliboramphus antiquus*, 307, 309

## T

- Tachycineta thalassina*, 159, 404  
*Tachyphonus delatrii*, 359  
   *rufus*, 359  
*Taeniopygia castanotis*, 230, 444  
 Takabe, 111  
 Tanager, Blue-gray, 359  
   Common Bush, 363  
   Masked, 359  
   Palm, 359  
   Summer, 270  
   Tawny-crested, 359  
   Western, 407  
   White-lined, 359  
   Yellow-rumped, 359  
*Tangara nigrocincta*, 359  
 Tattler, Wandering, 157, 161, 269, 307-310, 337-342  
 Taylor, Patricia G., see Moldenhauer, Ralph R.  
 Teal, 243  
   Blue-winged, 230, 243, 268, 333, 401  
   Cinnamon, 401  
   Common, 307-309  
   Green-winged, 156, 240, 401  
*Telmatodytes palustris*, 146, 405  
*Terathopus ecaudatus*, 106-107  
 Tern, Aleutian, 307-310  
   Arctic, 159, 307-310  
   Black, 403  
   Cayenne, 470-471  
   Common, 270  
   Fairy, 270  
   Least, 133  
   Royal, 270  
   Sooty, 270  
*Tetrao urogallus*, 111, 315, 377  
 Tetraonidae, 345  
*Tetrastes bonasia*, 383  
*Thalasseus eurgnathus*, 470  
   *maximus*, 270  
 Thrasher, Curve-billed, 145, 147  
*Thraupis episcopus*, 359  
   *palmarum*, 359  
 Thrush, Gray-cheeked, 160-161, 301, 361

- Hermit, 92, 301  
 Red-capped Nightingale, 301  
 Song, 301  
 Swainson's, 92, 301, 405  
 Varied, 160, 405, 411  
 Wood, 111, 301  
*Thryomanes bewickii*, 93  
*Thryothorus ludovicianus*, 133  
   *nigricapillus*, 358  
*Tichodroma*, 120  
   *muraria*, 119  
 Tit, Great, 146, 283  
 Titmouse, Plain, 481-482  
 Todd, Richard L., see Tomlinson, Roy E.  
*Todirostrum sylvia*, 139  
 Tomlinson, Roy E., Seymour H. Levy, and J. J. Levy,  
   New distributional records of breeding Mexican  
   ducks, 120-121  
 Tomlinson, Roy E., and Richard L. Todd, Distribution  
   of two Western Clapper rail races as deter-  
   mined by responses to taped calls, 177-183  
*Totanus flavipes*, 157, 269  
   *melanoleucus*, 157, 269  
 Towhee, Brown, 92, 145  
   Rufous-sided, 92-93, 408  
*Toxostoma curvirostre*, 145, 147  
*Tringa flavipes*, 403, 476  
   *glareola*, 307  
   *melanoleucus*, 403  
   *solitaria*, 269, 403  
*Trochilus polytmus* (L.), 170  
   *polytmus polytmus*, 170-176  
   *polytmus scitulus*, 170-176  
*Troglodytes aedon*, 165, 167, 352, 358, 405  
   *aedon parkmanii*, 133  
   *troglodytes*, 309  
 Troglodytidae, 119  
*Turdoides jardinei*, 423  
*Turdus grayi*, 301  
   *ignobilis*, 358  
   *iliacus*, 301  
   *merula*, 246  
   *migratorius*, 155, 160, 164-165, 248, 301-304, 405  
   *musicus*, 301  
   *philomelos*, 301  
   *pilaris*, 301  
 Turkey, 243  
 Turnstone, Black, 157  
   Ruddy, 156, 268, 307, 309, 336, 337-342  
 Tyrannidae, 360-361  
 Tyrannulet, Plain, 249  
*Tyrannus melancholicus*, 358  
   *tyrannus*, 164-165, 404  
   *verticalis*, 404  
*Tyto alba*, 265, 270, 272, 274, 453  
   *punctatissima*, 265
- U**
- Upupa epops*, 428  
*Uria aalge*, 77, 254, 461
- V**
- Veery, 301, 405  
 Verbeek, Nicolaas A. M., Pterylosis and timing of  
   molt of the Water Pipit, 287-292  
 Vermeer, Kees, Food habits and breeding range of  
   Herring Gulls in the Canadian prairie provinces,  
   478-480  
*Vermivora celata*, 82, 155, 160, 289  
   *celata lutescens*, 406  
   *celata orestera*, 406  
   *peregrina*, 406  
   *ruficapilla*, 406  
*Vidua chalybcata*, 97  
   *macroura*, 97  
 Vireo, 109  
   *gilvus*, 93, 406  
   *huttoni*, 93  
   *olivaceus*, 110-111, 400, 406  
   *solitarius*, 363, 406  
 Vireo, Hutton's, 92-93  
   Red-eyed, 110-111, 400, 406  
   Solitary, 363, 406, 409  
   Warbling, 92-93, 97-98, 406  
 Voigts, David K., Food niche overlaps of two Iowa  
   marsh icterids, 392-399  
*Volatinia jacarina*, 359  
*Vultur gryphus*, 60  
 Vulture, Black, 358  
   King, 107  
   Turkey, 66, 358  
   White-backed, 107
- W**
- Wagtail, Grey, 252  
   Pied, 252  
   White, 160  
   Yellow, 159-160, 162, 252-253  
 Wall Creeper, Old World, 120  
 Warbler, Arctic, 361  
   Audubon's, 92-93  
   Bay-breasted, 358  
   Black-and-white, 119  
   Blackpoll, 160  
   Black-throated, 92  
   Black-throated Blue, 483  
   Black-throated Gray, 241  
   Black-throated Green, 363  
   Cape May, 350-351  
   Golden-cheeked, 483  
   Golden-crowned, 363  
   Great Reed, 430  
   Grey's Grasshopper, 111  
   Hermit, 363  
   Mac Gillivray's, 406, 409  
   Myrtle, 110-111  
   Nashville, 406  
   Orange-crowned, 82, 92-93, 160, 289, 406  
   Prothonotary, 483  
   Tennessee, 406  
   Townsend's, 363-364, 406  
   Wilson's, 82, 92, 363, 407  
   Yellow, 82, 92-93, 160, 270, 358, 361, 406  
   Yellow-rumped, 406  
 Waterthrush, Northern, 160, 358, 406, 409  
 Waxwing, Bohemian, 245-246  
   Cedar, 164-169, 245-246, 406, 409, 485  
 Weaver, Black-headed, 25  
   Masked, 421  
 Webster, J. Dan, Richardson's Zacatecas, collection I,  
   239-241  
 Weeden, Judith S., see Weeden, Robert B.  
 Weeden, Robert B., and Loyal Johnson, New records  
   of Mourning Doves in southcentral and interior  
   Alaska, 353  
 Weeden, Robert B., and Judith S. Weeden, Two rec-  
   ords of White-throated Sparrows (*Zonotrichia*  
   *albicollis*) in Alaska, 248

- Welton, David, E., see Morton, Martin L.  
 West, George C., see De Wolfe, Barbara B.  
 Weydemeyer, Winton, The spring migration pattern at Fortine, Montana, 400-413  
 Wheatear, 160-161, 361  
 Whimbrel, 269, 336, 358  
 White, Clayton M., William B. Emison and Francis S. L. Williamson, DDE in a resident Aleutian Island Peregrine population, 306-311  
 White, Clayton M., see Cade, Tom J.  
 Whitethroat, 386-390  
 Widgeon, American, 156, 401  
 Willet, 269, 358  
 Williamson, Francis S. L., see White, Clayton M.  
 Willson, Mary F., and Janet C. Harmeson, Seed preferences and digestive efficiency of Cardinals and Song Sparrows, 225-234  
*Wilsonia pusilla*, 82, 155, 160, 363, 407  
 Wolf, Larry L., see Stiles, F. Gary  
 Woodcreeper, Ruddy, 139  
 Woodpecker, Acorn, 210, 215-216, 221  
     Black-cheeked, 358  
     Ground, 428  
     Hairy, 350  
     Lewis', 210-224, 404, 409  
     Pileated, 349-350  
     Red-cockaded, 217  
     Red-headed, 212, 215-217, 222-224  
 Wren, Bay, 358  
     Bewick's, 92-93  
     Cactus, 252  
     Canyon, 120, 138-139  
     Carolina, 133  
     House, 92, 133, 165, 167-168, 352, 358, 405, 409  
     Long-billed Marsh, 146, 405  
     Rock, 92-93, 95  
     Sumichrast's, 137-139  
     Winter, 309  
     White-breasted Wood, 361  
 Wrentit, 92-93, 325  
 Wright, Robert E., Observations on the urban feeding habits of the Roadrunner (*Geococcyx californianus*), 246
- X**
- Xanthocephalus xanthocephalus*, 95, 165, 392, 407  
*Xema sabini*, 155, 159  
*Xenorhynchus asiaticus*, 17-23, 26  
*Xiphorhynchus flavigaster*, 119
- Y**
- Yellowhammer, 432  
 Yellowlegs, Greater, 157, 269, 403  
     Lesser, 157, 269, 403, 476  
 Yellowthroat, 92-93, 407, 409  
     Common, 357-358, 475-477  
     Masked, 476  
     Olive-crowned, 358  
 Yow, Marie, see Hendrickson, H. T.
- Z**
- Zenaida galapagoensis*, 270, 274  
     *macroura*, 146, 246, 353, 403  
 Zimmerman, Dale A., Cattle Egrets in northern México, 480-481  
*Zonotrichia albicollis*, 46, 52, 54, 110-111, 230, 248, 369, 373, 482  
     *atricapilla*, 54, 155, 160  
     *leucophrys*, 107, 160, 279-285, 333, 408, 443  
     *leucophrys gambelii*, 43-58, 184-188, 279-285, 464-465  
     *leucophrys leucophrys*, 43, 82, 284  
     *leucophrys nuttalli*, 284  
     *leucophrys oriantha*, 184-188  
     *leucophrys pugetensis*, 279-285  
*Zosterops borbonica*, 175-176  
 Zwickel, Fred C., Dispersion of female Blue Grouse during the brood season, 114-119