

## INDEX TO VOLUME 53

- A
- Acanthis flammea*, 146  
*flammea flammea*, 244
- Accentor, 207
- Accipiter albogularis gilvulus*, 84  
*cooperii*, 136, 184, 232  
*gentilis*, 136  
*gentilis atricapillus*, 231  
*novaehollandiae rubiane*, 83  
*striatus*, 136  
*striatus velox*, 232
- Acridotheres tristis*, 34, 39
- Acrocephalus familiaris*, 41  
*kingi*, 41
- Actitis hypoleucos*, 83, 85  
*macularia*, 138, 191, 234
- Aechmolphus mexicanus*, 300
- Aechmophorus occidentalis*, 134, 229
- Aegolius acadicus*, 140, 154  
*academicus acadicus*, 122, 236
- Aëronautes saxatalis saxatalis*, 236
- Agelaius phoeniceus*, 105-115, 145, 234  
*phoeniceus fortis*, 234  
*phoeniceus nevadensis*, 234  
*phoeniceus sonoriensis*, 234  
*tricolor*, 111
- Aimophila cassinii*, 245  
*ruficeps*, 53, 118-119, 122  
*ruficeps obscura*, 118
- Aix sponsa*, 136, 209-220, 231
- Akepa, 35
- Alauda arvensis*, 39
- Albatross, Black-footed, 35  
Laysan, 35  
Short-tailed, 35
- Alcedo atthis salomonensis*, 88
- Alectoris graeca*, 51, 233
- Amakihi, 35
- Amaurornis olivaceus*, 84
- Amblycercus holosericeus*, 18
- Ammodramus savannarum*, 153  
*savannarum pratensis*, 245
- Amphispiza belli*, 245  
*belli canescens*, 245  
*belli nevadensis*, 245  
*bilineata deserticola*, 245
- Anas, 205  
*acuta*, 135, 205  
*acuta tztzihoa*, 230  
*carolinensis*, 230  
*crecca*, 135  
*cyanoptera*, 135  
*cyanoptera cyanoptera*, 230  
*discors*, 135, 157, 230  
*platyrhynchos*, 135, 205, 284-297  
*platyrhynchos platyrhynchos*, 230  
*strepera*, 135, 230  
*wywilliana laysanensis*, 41  
*wywilliana wywilliana*, 37, 41
- Ani, Groove-billed, 10, 16  
Smooth-billed, 10
- Anous, 85  
*minutus melanogenys*, 39  
*stolidus*, 40  
*stolidus pileatus*, 39, 41
- Anser albifrons*, 135, 155, 230
- Anthus spinoletta*, 143  
*spinoletta pacificus*, 241
- Apapane, 34
- Aphelocoma coerulescens*, 52, 122, 142, 179, 239, 260  
*coerulescens insularis*, 119  
*coerulescens nevadae*, 239  
*coerulescens superciliosa*, 239  
*coerulescens woodhouseii*, 239
- Aplonis cantoroides*, 83, 84, 91  
*grandis*, 83  
*grandis grandis*, 92  
*metallicus nitidus*, 92
- Aquila chrysaëtos*, 136, 178-179  
*chrysaëtos canadensis*, 232
- Archilochus alexandri*, 52, 198-201, 236
- Ardea herodias*, 134, 229, 260  
*herodias hyperonca*, 229  
*herodias treganzai*, 229
- Arenaria interpres*, 85, 191  
*interpres interpres*, 38  
*interpres morinella*, 234  
*melanocephala*, 192
- Arremonops rufivirgatus*, 18
- Asio flammeus*, 140, 262  
*flammeus flammeus*, 236  
*flammeus sandwichensis*, 39, 41  
*otus*, 140  
*otus wilsonianus*, 236
- Asyndesmus lewis*, 140, 237
- Auriparus flaviceps acaciarius*, 239
- Avocet, 187-189, 193, 235, 256
- Aythya, 136  
*affinis*, 231  
*americana*, 231  
*collaris*, 47, 51, 136, 231  
*marila nearctica*, 231  
*valisineria*, 136, 231
- B
- Bartholomew, George A., and Hubbs, Carl L., persistence of a rare color aberration in the Heermann gull, 221
- Balanosphyra formicivora*, 140, 180  
*formicivora bairdi*, 122, 237
- Baldpate, 51, 135, 157, 231
- Basileuterus culicivorus brasherii*, 18
- Baumgardt, John H., yellow-billed cuckoo in the San Bernardino Mountains, California, 207
- Beard, Rose-throated, 18
- Beidleman, Richard G., recent bird records from northeastern Colorado, 260

- Berger, Andrew J., nesting density of Virginia and Sora rails in Michigan, 202
- Bishop-bird, 111, 113
- Bittern, American, 135, 229  
Least, 229
- Blackbird, Brewer, 102, 145, 243  
Red-winged, 105-115, 123, 145, 243  
Yellow-headed, 111, 113, 145, 243
- Blake, Charles H., biographical note on Scopoli, 47
- Bleitz, Don, nest of pygmy nuthatches attended by four parents, 150
- Bluebird, Mexican, 143, 180, 241  
Mountain, 123, 143, 241  
Western, 53
- Bobolink, 243
- Bob-white, 137
- Bombycilla cedrorum, 144, 241  
garrulus, 143  
garrulus pallidiceps, 241
- Bonasa umbellus, 137
- Booby, Blue-faced, 36  
Brown, 36, 298, 299  
Red-footed, 36
- Bond, R. M., pigeon hawk catching dragonflies, 256
- Botaurus lentiginosus, 135  
lentiginosus peeti, 229
- Brant, Black, 123, 230
- Branta albifrons, 47  
bernicla nigricans, 230  
canadensis, 135, 230  
canadensis leucopareia, 230  
canadensis minima, 230  
canadensis moffitti, 230  
canadensis occidentalis, 135, 230
- Brattstrom, Bayard H., and Sams, James R., the Clark nutcracker in San Diego County, California, 204
- Brodkorb, Pierce, body temperature and breathing rate in a nighthawk, 301
- Bubo virginianus, 139, 236, 262  
virginianus lagophonus, 236  
virginianus occidentalis, 236  
virginianus pacificus, 236  
virginianus pallescens, 236
- Bucephala albeola, 136, 157, 231  
clangula, 136  
clangula americana, 231
- Buffhead, 136, 157, 231
- Bulweria bulwerii, 36, 40, 41
- Bunting, Blue, 18  
Indigo, 100, 244  
Lark, 99, 244  
Lazuli, 145, 179, 244  
Snow, 114
- Bush-hen, 84
- Bush-tit, 52, 119, 142, 179, 239
- Buteo jamaicensis, 51, 136, 151, 153, 178  
jamaicensis calurus, 122, 232  
lagopus, 156  
lagopus s. johannis, 232, 257  
lineatus, 155  
regalis, 232, 257  
solitarius, 41  
swainsoni, 136, 178, 232
- Butorides striatus solomonensis, 83  
virescens, 134  
virescens anthonyi, 229
- ### C
- Cacatua ducorpsi, 87  
galerita triton, 299
- Cacique, Prevost, 18
- Cacomantia variolosus addendus, 87
- Calamospiza melanocorys, 99, 245
- Calcarius lapponicus alascensis, 247, 262
- Calidrus canutus, 158, 192, 234
- Callipepla, 24, 204
- Calospiza chrysophrys, 8-14  
gyrola, 8-14  
icterocephala, 8-14  
inornata, 8-14  
nigro-cincta, 8-14
- Calothorax lucifer, 202
- Calypte anna, 49, 119, 198-201, 122  
costae, 198-201, 236
- Campylorhynchus brunneicapillus couesi, 240
- Canvasback, 51, 136, 231
- Capella gallinago, 138, 192  
gallinago delicata, 234
- Caprimulgus carolinensis, 153  
ridgwayi, 261
- Caracara, 50
- Cardinal, 40, 261
- Cardiff, Eugene E., a record specimen of the indigo bunting in California, 100
- Cardiff, Eugene E., and Cardiff, Bruce E., an unusual occurrence of the saw-whet owl, 154
- Carpodacus cassinii, 206, 244  
mexicanus, 40, 53, 120, 146  
mexicanus clementis, 120-121  
mexicanus frontalis, 120-122, 244  
mexicanus solitudinus, 244  
purpureus, 145
- Carson, James A., burrowing owl with Jerusalem cricket (a photograph), 46
- Casmerodius albus, 134  
albus egretta, 229
- Cassidix mexicanus, 153
- Catbird, 154, 240
- Cathartes aura, 51, 136  
aura teter, 231
- Catherpes mexicanus, 53  
mexicanus conspersus, 240
- Catoptrophorus semipalmatus, 44, 191  
semipalmatus inornatus, 234
- Centrocercus urophasianus, 233, 260
- Centropus milo, 83, 91  
milo albidiventris, 82, 87
- Centurus uropygialis albescens, 237
- Certhia familiaris, 142, 206, 240

- familiaris leucosticta*, 240  
*familiaris montana*, 240  
*familiaris zelotes*, 240  
*Chaetoptila angustipluma*, 41  
*Chaetura vauxi*, 140  
*vauxi vauxi*, 236  
*Chalcophaps stephani mortoni*, 86  
*Chamaea fasciata*, 142  
*Charadrius alexandrinus*, 157, 190  
*alexandrinus nivosus*, 233  
*hiaticula*, 138, 157, 190  
*hiaticula semipalmatus*, 233  
*nivosus*, 43  
*semipalmatus*, 43  
*vociferus*, 122, 138, 156, 190, 262  
*vociferus vociferus*, 233  
*Chasiempis*, 41  
*sandwichensis sclateri*, 34  
*Chat*, 145, 243, 304  
*Chen hyperborea*, 135  
*hyperborea hyperborea*, 230  
*Chickadee, Black-capped*, 142, 239  
*Chestnut-backed*, 142  
*Mountain*, 239  
*Chicken, Hawaiian*, 34, 37  
*Prairie*, 34, 37  
*Chlidonias niger*, 139  
*niger surinamensis*, 235  
*Chloroceryle amazona*, 6-14  
*americana*, 6-14  
*Chlorodrepanis virens*, 35  
*Chlorospingus*, 5  
*ophthalmicus*, 8-14  
*pileatus*, 8-14  
*Chlorura chlorura*, 245  
*Chondestes grammacus*, 51, 146  
*grammacus strigatus*, 245  
*Chordeiles acutipennis*, 302  
*acutipennis texensis*, 19-22, 236  
*minor*, 52, 140, 301-303  
*minor chapmani*, 303  
*minor hesperis*, 236  
*Chrysolophus pictus*, 137  
*Chuck-will's-widow*, 153  
*Cicada Bird*, 89  
*Cinclus mexicanus*, 142  
*mexicanus unicolor*, 240  
*Circus cyaneus*, 136  
*cyaneus hudsonius*, 232  
*Coccyzus americanus*, 18, 139, 207  
*americanus occidentalis*, 235  
*minor*, 18  
*Cockatoo*, 299  
*White*, 87  
*Cogswell, H. L.*, review of "Menaboni's Birds,"  
by Athos and Sara Menaboni, 103  
*Cohen, Nathan W.*, California condors in Madera  
County, California, 158  
*Colaptes auratus borealis*, 205, 237  
*cafer*, 52, 140, 181  
*cafer collaris*, 122, 237  
*Colinus hibbardi*, 23-30, 203  
*virginianus*, 23-30, 137, 204  
*Colius*, 82  
*Collias, Nicholas E., and Taber, Richard D.*, a  
field study of some grouping and domi-  
nance relations in ring-necked pheasants,  
265  
*Collocalia esculenta becki*, 88  
*vanikorensis*, 83  
*vanikorensis vanikorensis*, 88  
*Columba fasciata*, 52, 139, 156, 180  
*fasciata monilis*, 235  
*nigrirostris*, 6-14  
*speciosa*, 6-14  
*subvinacea*, 12  
*Columbigallina minuta*, 6-14  
*passerina*, 6-14  
*talpacoti*, 6-14  
*Colymbus auritus*, 229  
*caspicus*, 134  
*caspicus californicus*, 229  
*grisegena holböllii*, 228  
*Compsothlypis americana*, 100  
*Condor, Andean*, 103  
*California*, 103, 158, 178-179, 231  
*South American*, 102  
*Contopus richardsonii*, 52, 141  
*virens richardsonii*, 238  
*Coot, American*, 138, 233, 262  
*Hawaiian*, 38  
*Coracina lineata ombriosa*, 82, 89  
*papuensis elegans*, 82, 89  
*Coragyps atratus*, 84  
*Cormorant, Double-crested*, 134, 156, 229, 296  
*Corvus brachyrhynchos*, 142  
*brachyrhynchos hesperis*, 239  
*corax*, 142  
*corax principalis*, 101  
*corax sinuatus*, 101, 122, 239  
*hawaiiensis*, 41  
*Coturnicops noveboracensis noveboracensis*, 233  
*Coturnix*, 34, 37  
*Coucal, Buff-headed*, 87, 91  
*Cowbird, Brown-headed*, 145  
*Common*, 101, 244  
*Red-eyed*, 263  
*Cowles, Raymond B., and Dawson, William R.*, a  
cooling mechanism of the Texas night-  
hawk, 19  
*Crane, Brown*, 137  
*Sandhill*, 233  
*Creeper*, 35  
*Brown*, 142, 206, 240  
*Crow*, 239  
*American*, 142  
*Crocethia alba*, 38, 44, 193, 234  
*Crossbill, Red*, 146, 244, 261  
*Sitka*, 261  
*White-winged*, 157  
*Crotophaga ani*, 10  
*sulcirostris*, 10, 16

- Cryptornis antiquus*, 153  
 Cuckoo, Brush, 87  
     Mangrove, 18  
     Squirrel, 18  
     Yellow-billed, 18, 139, 207, 235  
 Cuckoo-shrike, White-bellied, 89  
     Yellow-eyed, 89  
 Cuculus, 154  
     canorus, 154  
     canorus bakeri, 155  
     fugax hyperythrus, 299  
     optatus, 154  
     saturatus, 154  
     saturatus horsfieldi, 154  
 Curlew, Bristle-thighed, 38  
     Holarctic, 138  
     Hudsonian, 138, 189, 191  
     Long-billed, 98, 138, 190, 191, 234  
 Cyanocitta cristata, 260  
     stelleri, 142, 181-182, 239  
     stelleri frontalis, 239  
     stelleri macrolopha, 239  
     stelleri percontatrix, 239  
 Cyanocompsa parellina, 18  
 Cyanocorax cucullata, 300  
 Cyanolyca cucullata, 97, 300  
     cucullata cucullata, 300  
     cucullata guatemalae, 300  
     cucullata hondurensis, 300  
     cucullata mitrata, 300  
     mitrata, 97, 302  
     mitrata cucullata, 98  
     mitrata guatemalae, 97-98  
     mitrata hondurensis, 97  
     mitrata mitrata, 97  
     pulchra, 97  
     viridi-cyana, 97  
 Cyclarhis gujanensis, 17  
 Cygnus buccinator, 230  
     columbianus, 135, 229  
 Cyrtonyx, 24, 203  
     cooki, 203  
     montezumae, 51
- D**
- Dactylortyx, 24  
 Dalquest, Walter W., frigate bird crossing Isthmus of Tehuantepec, 256  
 Davis, I. Irby, fishing efficiency of the black skimmer, 259  
 Davis, John, notes on the nomenclature of the brown jay, 152  
 Davis, John, and Howell, Thomas R., a record of *Sphyrapicus varius varius* for California, 102  
 Davis, W. B., and Petrides, George A., notes on the birds of Brazos County, Texas, 153  
 Dawson, William R., and Cowles, Raymond B., a cooling mechanism of the Texas night-hawk, 19  
 Deignan, H. G., the genus *Cuculus* in North America, a reconsideration, 154  
 Dendragapus fuliginosus, 232  
     fuliginosus howardi, 232  
     fuliginosus sierrae, 232  
     obscurus, 137, 232  
     obscurus obscurus, 232  
     obscurus pallidus, 232  
 Dendrocopos albolarvatus albolarvatus, 237  
     pubescens, 141, 237  
     pubescens leucurus, 237  
     pubescens turati, 237  
     scalaris, 18  
     scalaris cactophilus, 237  
     villosus, 141, 237  
     villosus leucothorectis, 237  
     villosus orius, 237  
     villosus monticola, 237  
 Dendrocygna bicolor, 55, 158  
     bicolor helva, 230  
 Dendroica aestiva, 51, 242  
     aestiva brewsteri, 242  
     aestiva morcomi, 242  
     aestiva rubiginosa, 242  
     aestiva sonorana, 242  
     auduboni, 53, 144  
     auduboni auduboni, 243  
     coronata, 144, 243  
     graciae, 156, 260  
     magnolia, 242  
     nigrescens, 144, 156, 243  
     occidentalis, 144, 156, 179, 243  
     petechia, 144, 242  
     townsendi, 144, 243  
 Diomedea albatrus, 35  
     immutabilis, 35, 40, 41  
     nigripes, 35, 41  
 Dipper, American, 142, 240  
 Dolichonyx oryzivorus, 243  
 Dollar Bird, 89  
 Doricha enicura, 202  
 Dove, Barred, 39  
     Cassin, 14  
     Chinese Spotted, 39, 301  
     Green-winged Ground, 86  
     Inca, 153, 155  
     Lace-neck, 39  
     Mourning, 52, 139, 235, 258, 260, 262  
     Red-throated Fruit, 85  
     Rufous Pheasant, 86  
     Superb Fruit, 85  
     White-fronted, 14  
     White-winged, 235  
 Dowitcher, 138, 155, 187-188  
     Long-billed, 192, 234  
     Short-billed, 44, 189, 192  
 Dryobates scalaris, 52  
 Dryocopus pileatus, 140  
 Duck, 205  
     Greater Scaup, 231  
     Harlequin, 231  
     Hawaiian, 37  
     Lesser Scaup, 51, 231  
     Ring-necked, 47, 51, 136, 231

- Ruddy, 136, 231  
 Scaup, 136  
 Shoveller, 156  
 Wood, 136, 209-220, 231  
*Ducula rubricera*, 83  
   *rubricera rufigula*, 85  
   *pistrinaria*, 85  
 Duff, C. V., mourning doves raise triplets, 258  
*Dumetella carolinensis*, 154, 240  
 Duvall, Allan J., and Taylor, Walter P., the  
   Lucifer hummingbird in the United States,  
   202

## E

- Eagle, Bald, 136, 178, 232  
 Golden, 136, 178-179, 232  
 Sanford, 84  
*Ectopistes migratorius*, 235  
*Edolisoma tenuirostre saturatus*, 82, 89  
 Egret, Common, 134, 229  
   Snowy, 50, 229  
*Egretta sacra*, 83  
   *sacra sacra*, 83  
*Elaenia*, 5-14  
   *chiriquensis*, 6-14  
   *flavogaster*, 6-14  
   *obscura*, 6-14  
 Elepaio, 34  
*Emberiza hyperborea*, 257  
 Emlen, John T., Jr., and Nero, Robert W., an  
   experimental study of territorial behavior  
   in breeding red-winged blackbirds, 105  
*Empidonax*, 91  
   *difficilis*, 52, 141, 179  
   *difficilis difficilis*, 122, 238  
   *griseus*, 179, 238  
   *hammondii*, 141, 238  
   *traillii*, 141, 238  
   *traillii adastus*, 238  
   *traillii brewsteri*, 238  
   *traillii extimus*, 238  
   *wrightii*, 141, 238  
*Eos cardinalis*, 83, 86  
*Eremophila alpestris*, 141, 153, 238  
   *alpestris ammophila*, 238  
   *alpestris insularis*, 120, 122  
   *alpestris lamprochroma*, 238  
   *alpestris leucansiptila*, 238  
   *alpestris utahensis*, 238  
*Ereunetes mauri*, 44, 138, 193, 234  
*Erolia alpina*, 138, 193  
   *alpina pacifica*, 234  
   *bairdii*, 138, 234  
   *melanotos*, 138  
   *minutilla*, 138, 158, 193, 234  
*Euphagus cyanocephalus*, 102, 145, 243  
*Euplectes hordeacea*, 111  
*Eupoda montana*, 234  
*Eurystomus orientalis*, 83  
   *orientalis solomonensis*, 89  
*Euthlypis lachrymosa*, 18

## F

- Falco albigularis*, 103  
   *columbarius*, 137, 232, 256  
   *columbarius bendirei*, 232  
   *columbarius suckleyi*, 232  
   *mexicanus*, 137, 232  
   *peregrinus*, 54, 137  
   *peregrinus anatum*, 122, 343  
   *sparverius*, 137  
   *sparverius sparverius*, 122, 232  
 Falcon, Bat, 103  
   Peregrine, 137, 232  
   Prairie, 137, 232  
 Fantail, Cockerell, 90  
   Rufous-fronted, 90  
 Finch, Cassin, 206, 244  
   House, 40, 53, 120-121, 146, 244  
   Purple, 123, 145  
   Rosy, 244  
 Fisher, Harvey I., the avifauna of Niihau Island,  
   Hawaiian Archipelago, 31  
 Flicker, Red-shafted, 52, 140, 181-182, 237  
   Yellow-shafted, 205, 237  
*Florida caerulea*, 229  
 Flycatcher, Ash-throated, 52, 141, 238, 260  
   Boat-billed, 11  
   Broad-billed, 91  
   Derby, 263  
   Gray, 179, 238  
   Hammond, 141, 238  
   Olivaceous, 18  
   Olive-sided, 52, 141, 238  
   Traill, 141, 238  
   Vermilion, 52, 238  
   Western, 52, 141, 179, 238  
   Wright, 141, 238  
*Fregata ariel*, 83  
   *magnificens*, 256  
   *magnificens rothschildi*, 229  
   *minor palmerstoni*, 36, 41  
 French, Norman R., duck hawks nesting in Colo-  
   rado, 54  
 Frigate-bird, 36, 229, 256  
*Fulica americana*, 138, 158, 262  
   *americana alai*, 38, 41  
   *americana americana*, 233

## G

- Gabrielson, Ira N., and Lincoln, Frederick C., the  
   races of song sparrows in Alaska, 250;  
   post-mortem color change in bird speci-  
   mens, 298  
 Gadwall, 51, 135, 230  
*Gallinula chloropus cachinnans*, 233  
   *chloropus sandvicensis*, 41  
 Gallinule, Common, 233  
*Gallus gallus*, 34, 37  
*Gavia arctica pacifica*, 157, 228  
   *immer*, 134, 228  
   *stellata*, 134  
*Geococcyx californianus*, 52, 101, 235

- Geoffroy's heteroclitus heteroclitus, 87  
 Geopelia striata striata, 39  
 Geothlypis trichas, 145, 243  
     trichas occidentalis, 243  
     trichas scirpicola, 243  
 Glaucidium brasilianum, 18  
     gnoma, 139  
 Gnatcatcher, Black-tailed, 241  
     Blue-gray, 123, 143, 241  
 Godwit, Marbled, 44, 187-191, 234  
 Golden-eye, Common, 136, 231  
 Goldfinch, Arkansas, 146  
     American, 146, 156, 244  
     Lesser, 244  
 Goode, William, variation in skeletal measurements of the common murre, 99  
 Goose, Canada, 135, 230  
     Emperor, 135  
     Snow, 135, 230  
     White-cheeked, 135  
     White-fronted, 47, 135, 155, 230  
 Goshawk, 136, 231  
 Grackle, Boat-tailed, 153  
     Bronzed, 243  
 Grater, Russell K., recent bird records from Mount Rainier National Park, 156  
 Grayson, Andrew Jackson, painting of fulvous tree-duck, opposite 3; bat falcon, opposite 57; ivory-billed woodhewer, opposite 105; derby flycatcher, opposite 209; yellow-breasted chat, opposite 265  
 Grebe, Eared, 134, 229  
     Horned, 229  
     Pied-billed, 51, 134, 229  
     Red-necked, 228  
     Western, 134, 229  
 Grosbeak, Black-headed, 53, 93-96, 145, 244  
     Blue, 53, 244, 257  
     Crimson-collared, 18  
     Evening, 145, 244  
     Rose-breasted, 154, 244  
 Grouse, Blue, 137  
     Dusky, 232  
     Ruffed, 137  
     Sharp-tailed, 232  
     Sooty, 232  
 Grus canadensis, 137, 233  
     canadensis canadensis, 233  
     canadensis tabida, 233  
 Guinea Fowl, 137  
 Guiraca caerulea, 53, 244, 257  
     caerulea interfusa, 244  
     caerulea salicarius, 244  
 Gull, Bonaparte, 139, 235  
     California, 57-77, 139, 158, 235  
     Franklin, 235  
     Glaucous, 139  
     Glaucous-winged, 57-77, 139  
     Heermann, 221-226  
     Herring, 59-60, 235  
     Laughing, 101  
     Ring-billed, 59, 70, 139, 156, 235  
     Western, 57-77, 139, 235  
 Gullion, Gordon W., birds of the southern Willamette Valley, Oregon, 129; the fulvous tree-duck in northeastern California, 158  
 Gygis alba rothschildi, 41  
 Gymnogyps californianus, 158, 178-179, 231  
 Gymnorhinus cyanocephalus, 101, 239, 260
- ## H
- Habia gutturalis, 16-17  
 Haematopus bachmani, 54  
 Halcyon chloris alberti, 88  
     saurophaga, 83  
     saurophaga saurophaga, 89  
 Haliaeetus leucocephalus, 136, 178  
     leucocephalus leucocephalus, 122, 232  
     leucogaster, 84  
     sanfordi, 84  
 Haliastur indus girrenera, 83  
 Haller, Karl W., observations on some New Mexican birds, 155  
 Harrison, Ed, and Roberts, Frances, photograph of life in a murre colony, opposite 161; photograph of American avocet on nest, 256; photograph of brown booby, 298  
 Hawk, American Rough-legged, 156, 257  
     Cooper, 136, 184, 232  
     Duck, 54  
     Ferruginous, 232  
     Ferruginous Rough-legged, 257  
     Harris, 232  
     Marsh, 136, 232  
     Mexican Black, 155  
     Pied, 84  
     Pigeon, 232, 256  
     Red-shouldered, 155  
     Red-tailed, 51, 136, 151, 178, 232  
     Rough-legged, 232  
     Rufous-breasted, 83  
     Sharp-shinned, 136, 232  
     Sparrow, 137, 232  
     Swainson, 136, 178, 232  
 Hemiprocne mystacea woodfordiana, 88  
 Hen, domestic, 112  
 Heron, Black-crowned Night, 37, 229  
     Great Blue, 134, 229, 260  
     Green, 134, 229  
     Little Blue, 229  
     Mangrove, 83  
     Reef, 83  
     Tricolored, 229  
     Yellow-crowned Night, 153  
 Hesperiphona vespertina, 145  
     vespertina brooksi, 244  
 Heteroscelus incanus, 38, 85  
 Hickey, Joseph J., mortality records as indices of migration in the mallard, 284  
 Himantopus himantopus knudseni, 38, 41  
     mexicanus, 235  
 Himantopus sanguinea, 34

- Hirundo rustica*, 241, 154  
*rustica erythrogaster*, 122, 239  
*tabitica*, 83  
*tabitica subfusca*, 89  
*Histrionicus histrionicus pacificus*, 231  
Honey-eater, Central Solomons, 92  
Howard, Hildegarde, Pleistocene duck from Ohio, 205  
Howell, Thomas R., Lapland longspur in Arizona, 262  
Howell, Thomas R., and Davis, John, a record of *Sphyrapicus varius varius* for California, 102  
Hubbs, Carl L., and Bartholomew, George A., Jr., persistence of a rare color aberration in the Heermann gull, 221  
Hummingbird, Allen, 117, 120, 198-201  
Anna, 49, 119-120, 198-201  
Black-chinned, 52, 198-201, 236  
Broad-tailed, 237  
Calliope, 237  
Costa, 198-201, 236  
Lucifer, 202  
Rufous, 52, 140, 237  
White-eared, 12  
Hyde, A. Sidney, white-faced glossy ibis and long-billed curlew in western Colorado, 98  
*Hydranassa tricolor ruficollis*, 229  
*Hydroprogne caspia*, 139, 158, 235  
*Hylocharis leucotis*, 12  
*Hyalocichla fuscescens salicicola*, 241  
*guttata*, 143, 182, 179, 241  
*guttata auduboni*, 241  
*guttata nanus*, 241  
*guttata polionota*, 241  
*guttata sequoiensis*, 241  
*ustulata*, 143, 179, 241  
*ustulata almae*, 241  
*ustulata swainsoni*, 241
- I**
- Ibis, White-faced Glossy, 50, 98, 155, 229  
Wood, 154, 229  
*Icteria virens*, 145, 304  
*virens auricollis*, 243  
*Icterus bullockii*, 145  
*bullockii bullockii*, 243  
*cucullatus californicus*, 243  
*parisorum*, 53, 243  
*spurius*, 260  
Iiwi, 34  
*Iridoprocne bicolor*, 141, 238  
*Ixobrychus exilis hesperis*, 229  
*Ixoreus naevius*, 143  
*naevius meruloides*, 240
- J**
- Jaeger, Edmund C., pebble-dropping by house sparrows, 207  
Jay, Blue, 260  
Brown, 18, 152  
Canada, 142  
Green, 18, 124-128  
Hooded, 97-98, 300  
Piñon, 101, 239, 260  
Scrub, 52, 119, 142, 179-182, 239, 260  
Steller, 142, 181-182, 239  
Jewett, Stanley G., a summer record of the great gray owl in Oregon, 203; an ancient murrelet goes inland, 301; a fatal meal for a young robin, 303  
Jollie, Malcolm, a new bird for Idaho, 300  
Junco, 53, 206  
*caniceps*, 53  
*caniceps caniceps*, 246  
*hyemalis*, 146, 245  
*hyemalis cismontanus*, 245  
*hyemalis hyemalis*, 245  
*oreganus*, 53, 146, 180, 245  
*oreganus mearnsi*, 245  
*oreganus montanus*, 246  
*oreganus mutabilis*, 246  
*oreganus shufeldti*, 246  
*oreganus thurberi*, 246  
Junco, Gray-headed, 53, 246  
Oregon, 53, 146, 180, 182, 245  
Slate-colored, 146, 245
- K**
- Killdeer, 122, 138, 156, 189, 190, 233  
Killpack, Merlin L., lark bunting in Uintah Basin, Utah, 99; short-eared owl eaten by horned owl, 263  
Kingbird, Cassin, 52, 238  
Eastern, 237  
Tropical, 52  
Western, 141, 154, 238  
Kinglet, Golden-crowned, 143, 206, 241  
Ruby-crowned, 53, 123, 143, 206, 241  
Kingfisher, Beach, 89  
Belted, 140, 153, 237  
River, 88  
White-collared, 88  
Kiskadee, 11  
Kite, Chestnut-white, 83  
Knight, Howard, and Woodbury, Angus M., results of the Pacific gull color-banding project, 57  
Knot, 158 190, 192  
Red, 234
- L**
- Lanius excubitor*, 144  
*excubitor invictus*, 242  
*ludovicianus*, 51, 122, 242  
*ludovicianus anthonyi*, 120, 122  
*ludovicianus gambeli*, 242  
*ludovicianus nevadensis*, 242  
*ludovicianus sonoriensis*, 242  
*Larus roratus*, 83  
*roratus pectoralis*, 299  
*roratus solomonensis*, 87

- Lark, Horned, 120, 141, 153, 238
- Larus argentatus smithsonianus*, 235
- atricilla*, 101
- californicus*, 55-77, 139, 158, 235
- delawarensis*, 70, 139, 156, 235
- fuliginosus*, 226
- glaucescens*, 57-77, 139
- heermanni*, 221-226
- hyperboreus*, 139
- occidentalis*, 139, 235
- occidentalis occidentalis*, 57-77
- occidentalis wymani*, 55-77
- philadelphia*, 139, 235
- pipixcan*, 235
- Leopold, Frederic, a study of nesting wood ducks in Iowa, 209
- Lepidocolaptes affinis*, 11
- souleyetii*, 11
- Leptotila cassinii*, 6-14
- cassinii rufinucha*, 5
- verreauxi*, 6-14
- verreauxi verreauxi*, 5
- Leucophoyx thula*, 50
- thula brewsteri*, 229
- Leucosticte tephrocotis*, 244
- tephrocotis littoralis*, 244
- tephrocotis tephrocotis*, 244
- tephrocotis wallowa*, 244
- Limnodromus griseus*, 44, 138, 198
- griseus scolopaceus*, 155
- scolopaceus*, 192, 234
- Limnothlypis swainsoni*, 154
- Limosa fedoa*, 44, 191, 234
- Lincoln, Frederick C., and Gabrielson, Ira N., the races of song sparrows in Alaska, 250; post-mortem color change in bird specimens, 298
- Linsdale, Jean M., a list of the birds of Nevada, 228
- Lint, Kenton C., condor egg hatched in incubator, 102
- Lobipes lobatus*, 138, 193, 235
- Locustella certhiola*, 206
- ochotensis ochotensis*, 206
- ochotensis pleskei*, 206
- Lonchura ferruginosa formosana*, 299
- ferruginosa rubronigra*, 299
- punctulata cabanisi*, 300
- Longspur, Lapland, 247, 262
- Loon, Arctic, 157, 228
- Common, 134, 228
- Red-throated, 134
- Lophodytes cucullatus*, 136, 231
- Lophortyx*, 24
- californica*, 37, 123, 137, 156, 204
- californica californica*, 233
- californica catalinensis*, 123
- gambelii*, 204
- gambelii gambelii*, 233
- Lory, Cardinal, 86
- Coconut, 86
- Lovell, Harvey B., blue grosbeak in the badlands of South Dakota, 257
- Loxia curvirostra*, 146, 244
- curvirostra bendirei*, 244
- curvirostra benti*, 245
- curvirostra grinnelli*, 245
- curvirostra minor*, 261
- curvirostra sitkensis*, 261
- curvirostra stricklandi*, 245
- leucoptera*, 157
- Loxops caeruleirostris*, 35
- M
- Macropygia mackinlayi arossi*, 86
- Magpie, Black-billed, 142, 180, 239, 262
- Yellow-billed, 180
- Mallard, 135, 230, 284-297
- Man-o'-war, Least, 83
- Mareca americana*, 135, 157, 231
- penelope*, 135, 230
- Marshall, David B., new bird records for western Nevada, 157
- Martin, Purple, 142, 239
- Matteson, Clyde P., a caracara in Colorado, 50
- Mayer, William V., longevity of a crippled Brewer blackbird, 102
- Meadowlark, Eastern, 260
- Western, 39, 145, 156, 183, 243
- Megaceryle alcyon*, 140, 153
- alcyon caurina*, 237
- Megarynchus*, 18
- pitangua*, 11
- Megapode, 84
- Megapodius freycinet*, 83
- freycinet eremita*, 84
- Melanitta deglandi*, 231
- Meleagris gallopavo*, 38, 137, 153
- Melospiza lincolni*, 147
- melodia*, 118, 122, 147, 250-255
- melodia amaka*, 253
- melodia caurina*, 253-255, 299
- melodia cinerea*, 257
- melodia clementae*, 118, 120, 122
- melodia cooperi*, 119
- melodia hyperborea*, 257
- melodia inexpectata*, 255
- melodia insignis*, 252-254, 257
- melodia kenaiensis*, 253
- melodia maxima*, 251-253
- melodia morphna*, 255
- melodia rufina*, 254, 299
- melodia sanaka*, 251-253, 257
- melodia semidiensis*, 252
- Merganser, American, 156
- Common, 136, 231
- Hooded, 136, 231
- Red-breasted, 231
- Mergus merganser*, 136, 156
- merganser americanus*, 231
- serrator serrator*, 231
- Merlin, 137



- Michener, Josephine R., territorial behavior and age composition in a population of mocking birds at a feeding station, 276  
 Michener, Josephine R., and Michener, Harold, notes on banding records and plumages of the black-headed grosbeak, 93  
 Micropalama himantopus, 234  
 Micrositta finschii tristrami, 86  
     meeki, 86  
     pusio, 86  
 Miller, Alden H., a comparison of the avifaunas of Santa Cruz and Santa Rosa islands, 117  
 Miller, Alden H., and Miller, Loye, geographic variation of the screech owls of the deserts of western North America, 161  
 Miller, Loye, a Miocene petrel from California, 78  
 Miller, Loye, and Miller, Alden H., geographic variation of the screech owls of the deserts of western North America, 161  
 Mimus polyglottos, 53, 276-283, 300  
     polyglottos leucopterus, 122, 240  
 Mino dumontii kreffti, 92  
 Miortyx teres, 203  
 Mniotilta varia, 51, 242  
 Mockingbird, 53, 240, 276-283, 300  
 Moho, 41  
 Molothrus ater, 101, 145, 244, 263  
     ater artemisiae, 244  
     ater obscurus, 244  
 Momotus momota coeruliceps, 18  
 Monarch, Chestnut-bellied, 90  
     Pied, 90  
 Monarcha barbata, 83  
     barbata browni, 82, 90-92  
     castaneiventris, 83, 92  
     castaneiventris richardsii, 90-92  
     cinerascens, 90  
 Moore, Robert T., records of two North American corvids in Mexico, 101  
 Motmot, Blue-crowned, 18  
 Munia punctulata, 40  
 Munia, Chestnut-bellied, 299  
 Murre, Common, 99  
 Murrelet, Ancient, 123, 301  
 Myadestes townsendi, 143  
     townsendi townsendi, 241  
 Mycteria americana, 154, 229  
 Myiagra ferrocyanea, 83, 90  
     ferrocyanea centralis, 91-92  
 Myiarchus cinerascens, 52, 141, 260  
     cinerascens cinerascens, 238  
     tuberculifer lawrenceii, 18  
 Myiobius atricaudus, 6-14  
     sulphureipygius, 6-14  
 Myioborus miniatu, 8-14  
     torquatus, 8-14  
 Myiodynastes, 5, 18  
     chrysocephalus, 7-14  
     luteiventris, 7-14  
 Myiozetetes cayanensis, 7-14  
     similis, 7-14  
     similis columbianus, 11  
     similis texensis, 11  
     granadensis, 7-14  
 Mynah, 34, 39  
     Papuan, 92  
 Myrmotherula axillaris, 6-14  
     fulviventris, 6-14  
 Myzomela eichhorni, 83  
     eichhorni eichhorni, 92
- N
- Nannorchilus leucogaster, 18  
 Nectarinia jugularis, 83  
     jugularis flavigaster, 92  
 Nephocetes niger, 140  
     niger borealis, 236  
 Nero, Robert W., and Emlen, John T., Jr., an experimental study of territorial behavior in breeding red-winged blackbirds, 105  
 Nesochen sandvicensis, 41  
 Nesoclopeus woodfordi, 84  
 Nighthawk, 52, 301  
     Booming, 140  
     Common, 236, 302, 303  
     Lesser, 236, 302  
     Texas, 19-22  
 Noddy, 39  
 Nucifraga columbiana, 204, 239  
 Numenius americanus, 98, 138, 191, 234  
     phaeopus, 138, 191  
     tahitiensis, 38  
 Numida meleagris, 137  
 Nutcracker, Clark, 204, 239  
 Nuthatch, Pygmy, 150, 206, 240  
     Red-breasted, 142, 240  
     White-breasted, 53, 142, 206, 239  
 Nuttallornis borealis, 52, 141, 238  
 Nyctanassa violacea, 153  
 Nyctea scandiaca, 139, 236  
 Nycticorax nycticorax hoactli, 37, 41, 229
- O
- Oceanodroma castro cryptoleucura, 36, 41  
     homochroa, 78-79  
     hornbyi, 79  
     hubbsi, 78-80  
     leucorhoa, 79  
     macroactyla, 79  
     markhami tristrami, 41  
     melania, 78-79  
 Oporornis formosus, 154  
     tolmiei, 145, 243  
     tolmiei monticola, 243  
 Oreortyx, 24, 204  
     picta, 137, 184, 233  
     picta eremophila, 233  
     picta picta, 233  
 Oreoscoptes montanus, 240  
 Oriole, Bullock, 145, 243

- Hooded, 243  
 Orchard, 260  
 Scott, 53, 243  
 Osprey, 84, 137, 232  
 Otus asio, 139, 161-177, 236  
   asio aikeni, 168-176  
   asio cardonensis, 161, 168-176  
   asio cineraceus, 161, 168-176, 236  
   asio clazus, 173-174  
   asio gilmani, 161, 169-176  
   asio inyoensis, 161, 164, 167-176, 236  
   asio macfarlanei, 173, 236  
   asio mcallii, 167-176  
   asio mychophilus, 169-170  
   asio quercinus, 161, 168-176  
   asio sinaloensis, 161, 167-176  
   asio suttoni, 161, 167-176  
   asio vinaceus, 168-176  
   asio xantusi, 161, 164, 167-176  
   asio yumanensis, 168-176, 236  
   flammeolus flammeolus, 236  
 Oven-bird, 153, 243  
 Owl, Barn, 88, 139, 235  
   Burrowing, 46, 122, 139, 236  
   Flammulated, 236  
   Great Gray, 140, 203  
   Horned, 139, 236, 262  
   Long-eared, 140, 236  
   Pygmy, 18, 19  
   Saw-whet, 122, 140, 154, 236  
   Screech, 139, 161-177, 236  
   Short-eared, 39, 140, 236, 262  
   Snowy, 139, 236  
   Spotted, 140  
 Oxyura jamaicensis, 136  
   jamaicensis rubida, 231  
 Oyster-catcher, Black, 54
- P**
- Pandion haliaetus, 137  
   haliaetus carolinensis, 232  
   haliaetus melvillensis, 84  
 Parabuteo unicinctus harrisi, 232  
 Paroreomyza bairdii, 35  
 Parrot, King, 87  
   New Guinea Eclectus, 299  
   Pigmy, 86  
   Song, 87  
 Partridge, Australian Bush, 37  
   Bush, 34  
   Chukar, 51, 233  
   European, 137  
 Parula pitaiayumi, 18  
 Parus atricapillus, 142  
   atricapillus nevadensis, 239  
   atricristatus, 52  
   gambeli, 239  
   gambeli abbreviatus, 239  
   gambeli inyoensis, 239  
   inornatus, 239  
   inornatus ridgwayi, 239  
   inornatus zaleptus, 239  
   rufescens, 142  
 Passer domesticus, 92, 145, 207, 243  
 Passerculus sandwichensis, 146, 245  
   sandwichensis alaudinus, 245  
   sandwichensis nevadensis, 245  
 Passerella georgiana ericrypta, 246  
   iliaca, 147, 179, 182, 246  
   iliaca annectens, 298-299  
   iliaca canescens, 246  
   iliaca fuliginosa, 298-299  
   iliaca fulva, 246  
   iliaca insularis, 298-299  
   iliaca megarhynchus, 246  
   iliaca monoensis, 246  
   iliaca olivacea, 246  
   iliaca schistacea, 246  
   iliaca sinuosa, 298-299  
   iliaca townsendi, 298  
   iliaca unalascensis, 298-299  
   lincolnii, 246  
   lincolnii alticola, 246  
   lincolnii lincolnii, 246  
   melodia, 246  
   melodia fallax, 246  
   melodia fisherella, 247  
   melodia merrilli, 247  
   melodia montana, 246-247  
   melodia saltonis, 247  
 Passerina amoena, 145, 179, 244  
   cyanea, 100, 244  
 Pavo cristatus, 38  
 Peafowl, 38  
 Pedioecetes phasianellus columbianus, 232  
 Pelecanus erythrorhynchos, 134, 229, 296  
   occidentalis californicus, 229  
 Pelican, Brown, 229  
   White, 134, 229, 296  
 Pennula millsii, 41  
 Perdix, 24  
   perdix, 137  
 Petrel, 78-80  
   Bonin Island, 36  
   Bulwer, 36  
   Hawaiian Storm, 36  
 Perisoreus canadensis, 142  
   canadensis griseus, 142  
   canadensis obscurus, 142  
 Petrides, George A. and Davis, W. B., notes on  
   the birds of Brazos County, Texas, 153  
 Petrochelidon pyrrhonota, 142, 239  
   pyrrhonota albifrons, 239  
   pyrrhonota hypopolia, 239  
 Pewee, Wood, 141, 238  
   Western Wood, 52  
 Phaeornis, 41  
   obscura myadestina, 34  
 Phaethon lepturus dorotheae, 36, 41  
   rubricauda rothschildi, 36, 41

- Phaethornis*, 4  
   *longuemareus*, 6-14  
   *supercilius*, 6-14  
*Phainopepla nitens lepida*, 241  
*Phainopepla*, 241  
*Phalacrocorax auritus*, 134, 156, 296  
   *auritus albociliatus*, 229  
*Phalaenoptilus nuttallii*, 52  
   *nuttallii nuttallii*, 236  
*Phalarope*, Northern, 138, 190, 193, 235  
   Red, 190, 193  
   Wilson, 138, 156, 235  
*Phalaropus fulicarius*, 193  
*Pharomacrus mocinno*, 4  
*Phasianus colchicus*, 37, 137, 233, 262, 265-275  
*Pheasant*, Golden, 137  
   Ring-necked, 33, 37, 137, 233, 262, 265-275  
*Pheucticus ludovicianus*, 154, 244  
   *melanocephalus*, 53, 93-96, 145  
   *melanocephalus melanocephalus*, 244  
*Philacte canagica*, 135  
*Phillips, Allan R.*, some observations of birds in southern Colorado, 50  
*Phillips, Allan R.*, and Pulich, Warren M., autumn bird notes from the Charleston Mountains, Nevada, 205  
*Phoebe*, Black, 122, 180, 238  
   Say, 51, 141, 238  
*Phyllastrephus*, 82  
*Piaya cayana*, 18  
*Pica nuttallii*, 180  
   *ornata*, 97, 302  
   *pica*, 142, 180  
   *pica hudsonia*, 239, 262  
*Picoides arcticus*, 237  
   *tridactylus dorsalis*, 237  
*Pigeon*, Band-tailed, 52, 139, 156, 180, 184, 235  
   Domestic, 262  
   Passenger, 235  
   Red-knobbed, 83  
*Pintail*, 51, 135, 230  
*Pipilo aberti dumeticolus*, 245  
   *carmani*, 194-197  
   *erythrophthalmus*, 195  
   *fuscus*, 53, 257  
   *hyperboreus*, 257  
   *maculatus*, 120, 122, 146, 157, 181, 245, 261  
   *maculatus clementae*, 120-121  
   *maculatus curtatus*, 245  
   *maculatus megalonyx*, 120-121  
   *maculatus montanus*, 245  
   *socorroensis*, 194-197  
*Pipit*, American, 300  
   Sprague, 300  
   Water, 51, 143, 241  
*Pipra coronata*, 5, 7-14  
   *mentalis*, 5, 7-14  
*Piranga flava*, 53  
   *ludoviciana*, 145, 244  
   *rubra cooperi*, 244  
*Pitangus sulphuratus*, 11  
*Pitelka, Frank A.*, Central American races of *Cyanolyca mitrata*, 97; breeding seasons of hummingbirds near Santa Barbara, California, 198; the tyrannid *Aechmolphus mexicanus* in Guerrero, 300; nomenclature of the hooded jay, 300  
*Platypsaris aglaiae*, 18  
*Plegadis guarauna*, 98, 155  
   *mexicana*, 50, 229  
*Plover*, Black-bellied, 138, 157, 187, 189-190, 234  
   Golden, 38, 85, 190  
   Mountain, 234  
   Ringed, 138  
   Semipalmated, 43, 138, 157, 189, 190, 233  
   Snowy, 43, 157, 190, 233  
*Pluvialis dominica*, 190  
   *dominica fulva*, 38, 85, 190  
   *dominica dominica*, 190  
*Podilymbus podiceps*, 51, 134  
   *podiceps podiceps*, 229  
*Polioptila caerulea*, 143  
   *caerulea amoenissima*, 241  
   *melanura lucida*, 241  
*Polyborus cheriway*, 50  
*Poocetes gramineus*, 146  
   *gramineus confinis*, 245  
*Poor-will*, 52, 236, 303  
*Popper, Daniel M.*, notes on the birds of Mount Locke, Texas, 51  
*Porter, Richard D.*, the status of rough-legged hawks in Idaho, 257  
*Porzana carolina*, 138, 202, 233  
*Porzana palmeri*, 41  
*Preece, Sherman J.*, and Selander, Robert K., cock roosts of nighthawks, 302  
*Procelsterna cerulea saxatilis*, 41  
*Progne subis*, 142  
   *subis subis*, 239  
*Prunella montanella*, 207  
   *montanella badia*, 207  
*Psaltriparus minimus*, 52, 119, 122, 142, 179, 239  
   *minimus plumbeus*, 239  
   *minimus providentialis*, 239  
*Psilorhinus morio*, 18, 152  
   *moria fuliginosus*, 152  
   *morio morio*, 152  
   *morio palliatus*, 152  
*Pterodroma leucoptera hypoleuca*, 36, 41  
   *phaeopygia sandwichensis*, 41  
*Ptilinopus superbus superbus*, 85  
   *viridis*, 83  
   *viridis lewisi*, 85  
*Puffinus nativitatus*, 36, 41  
   *newelli*, 36, 41  
   *pacificus cuneatus*, 35, 40, 41  
*Pulich, Warren M.*, and Phillips, Allan R., autumn bird notes from the Charleston Mountains, Nevada, 205  
*Pycnonotus*, 83  
*Pyrocephalus rubinus*, 52  
   *rubinus flammeus*, 238

## Q

- Quail, 203  
 California, 33, 37, 123, 137, 156, 233  
 Gambel, 233  
 Mearns, 51  
 Mountain, 51, 137, 184, 233  
 Pectoral, 37  
 Quaintance, Charles W., pioneer starling nesting  
 in eastern Oregon, 50  
 Quiscalus quiscula versicolor, 243

## R

- Rail, King, 153  
 Sora, 202, 233  
 Virginia, 137, 202, 233  
 Woodford, 84  
 Yellow, 233  
 Rallina eurizonoides eurizonoides, 299  
 Rallus elegans, 153  
 limicola, 137, 202  
 limicola limicola, 233  
 Raven, 101, 239  
 Holarctic, 142  
 Recurvirostra americana, 193, 235  
 Red-head, 51, 231  
 Redpoll, Common, 146, 244  
 Redstart, 54, 154, 243  
 American, 154  
 Painted, 205  
 Red-wing, Tri-colored, 111  
 Reeder, William G., stomach analysis of a group  
 of shorebirds, 43  
 Regulus calendula, 53, 143, 206  
 calendula cineraceus, 241  
 satrapa, 143, 206  
 satrapa amoenus, 206  
 satrapa apache, 206  
 satrapa olivaceus, 241  
 Rett, Egmont Z., the painted redstart at Santa  
 Barbara, California, 205  
 Reuther, Ronald T., the Chinese spotted dove at  
 Bakersfield, 301  
 Reynolds, Hudson G., red-tailed hawk captures  
 cottontail rabbit, 151  
 Rhipidura cockerelli, 83  
 cockerelli albina, 90-92  
 leucophrys, 83  
 leucophrys melaleuca, 90  
 rufifrons, 83  
 rufifrons granti, 90  
 Rhodothraupis celaeno, 18  
 Ricebird, 40  
 Richmondia cardinalis, 40, 261  
 Riney, Thane, relationships between birds and  
 deer, 178  
 Riparia riparia, 141  
 riparia riparia, 238  
 Ripley, S. Dillon, migrant and introduced species  
 in the Palau archipelago, 299  
 Road-runner, 52, 101, 235

- Roberts, Frances, and Harrison, Ed, photograph  
 of life in a murre colony, opposite 161;  
 photograph of American avocet on nest,  
 256; photograph of brown booby, 298  
 Robin, 181-182, 184, 240, 303  
 American, 112, 143  
 Gray, 18  
 Rynchops nigra, 259

## S

- Sage Hen, 233, 260  
 Saltator albicollis, 8-14  
 atriceps, 18  
 coerulescens, 8-14  
 maximus, 8-14  
 Saltator, Black-headed, 18  
 Salpinctes obsoletus, 53, 122, 143  
 obsoletus obsoletus, 240  
 Sams, James R., and Brattstrom, Bayard H., the  
 Clark nutcracker in San Diego County,  
 California, 204  
 Sanderling, 38, 44, 189-193, 234  
 Sandpiper, Baird, 138, 234  
 Common, 85  
 Least, 138, 158, 189, 193, 234  
 Pectoral, 138  
 Red-backed, 123, 138, 187, 189, 193, 234  
 Solitary, 138, 234  
 Spotted, 138, 190-191, 234  
 Stilt, 234  
 Western, 44, 138, 187-189, 193, 234  
 Sapsucker, Williamson, 141, 237  
 Yellow-bellied, 102, 140, 237  
 Sayornis nigricans, 180  
 nigricans semiatra, 122, 238  
 saya, 51, 141, 238  
 saya quiescens, 238  
 saya saya, 238  
 Scardafella inca, 153, 155  
 Schwilling, Marvin D., parula warbler nesting in  
 Kansas, 100  
 Scoter, Surf, 231  
 White-winged, 231  
 Seibert, Henri C., least tern in southeastern New  
 Mexico, 204  
 Seiurus aurocapillus, 153  
 aurocapillus cinereus, 243  
 motacilla, 154  
 noveboracensis, 260  
 noveboracensis notabilis, 154  
 Selander, Robert K., and Preece, Sherman J.,  
 cock roosts of nighthawks, 302  
 Selasphorus platycercus platycercus, 237  
 rufus, 52, 140, 237  
 sasin, 198-201  
 sasin sedentarius, 120, 122  
 Setophaga picta, 205  
 ruticilla, 54, 154, 243  
 Shearwater, Christmas Island, 36  
 Newell, 36  
 Wedge-tailed, 35

- Shoveller, 51, 135, 231  
 Shrike, Barred Ant, 16-17  
   Boreal, 144  
   Loggerhead, 51, 119, 120, 242  
   Northern, 242  
   Pepper, 17  
 Sialia currucoides, 143, 241  
   mexicana, 53, 143, 180, 241  
   mexicana bairdi, 241  
   mexicana occidentalis, 241  
 Sibley, Charles G., black-and-white warbler in Santa Clara County, California, 51; notes on the birds of New Georgia, central Solomon Islands, 81  
 Siskin, Pine, 146, 206, 244  
 Sitta canadensis, 142, 240  
   carolinensis, 53, 142, 206, 239  
   carolinensis nelsoni, 239  
   carolinensis tenuissima, 240  
   pygmaea, 150, 206, 240  
   pygmaea canescens, 240  
   pygmaea melanotis, 240  
 Skimmer, Black, 259  
 Skutch, Alexander F., congeneric species of birds nesting together in Central America, 3  
 Skylark, European, 39  
 Small, Arnold, laughing gull on the coast of southern California, 101; an unusual concentration of elegant terns in southern California, 154  
 Snipe, Common, 234  
   Holarctic, 138  
   Wilson, 192  
 Solitaire, Townsend, 143, 241  
 Sora, 138  
 Sparrow, Aleutian Song, 251-253  
   Amak Song, 253  
   Bell, 119  
   Bischoff Song, 252-254  
   Black-chinned, 123, 246  
   Black-throated, 245  
   Brewer, 51, 246  
   Cassin, 245  
   Chipping, 54, 146, 154, 246  
   English, 92, 243  
   Fox, 147, 179, 182, 246, 298-299  
   Giant Song, 251-253  
   Golden-crowned, 147, 246  
   Grasshopper, 153, 245  
   Harris, 246  
   House, 145, 207  
   Kenai Song, 253  
   Lark, 51, 146, 245  
   Lincoln, 147  
   Olive, 18  
   Riley Song, 255  
   Rufous-crowned, 53, 118  
   Sage, 245  
   Savannah, 146, 245  
   Song, 114, 118, 120, 147, 246, 250-255, 257  
   Sooty Song, 254  
   Swamp, 246  
   Tree, 146, 246  
   Vesper, 146, 245  
   White-crowned, 118, 123, 147, 179, 246  
   White-throated, 147, 246  
   Yakutat Song, 253-255  
 Spatula clypeata, 135, 156, 231  
 Speotyto cunicularia, 139  
   cunicularia hypugaea, 122, 236  
 Sphyrapicus thyroideus, 141, 237  
   thyroideus nataliae, 237  
   thyroideus thyroideus, 237  
   varius, 140, 237  
   varius daggetti, 237  
   varius nuchalis, 237  
   varius varius, 102  
 Spinus pinus, 146, 206  
   pinus pinus, 244  
   psaltria, 146  
   psaltria hesperophilus, 122, 244  
   tristis, 146, 156  
   tristis pallidus, 244  
 Spizella arborea, 146  
   arborea ochracea, 146  
   atrogularis caurina, 123  
   atrogularis evura, 246  
   breweri, 51  
   breweri breweri, 246  
   passerina, 54, 146, 154  
   passerina arizonae, 122, 246  
 Sporophila aurita, 8-14  
   torqueola, 8-14  
 Squatarola squatarola, 138, 157, 190, 234  
 Starling, 50, 242  
   Brown-winged, 92  
   Colonial, 92  
   European, 144  
   Little, 91  
 Steganopus tricolor, 138, 156, 235  
 Stelgidopteryx ruficollis, 141, 156  
   ruficollis serripennis, 239  
 Stellula calliope, 237  
 Sterna, 40  
   albifrons, 204  
   anaethetus lunata, 38, 41  
   antillarum, 235  
   forsteri, 139, 235  
   fuscata oahuensis, 39, 41  
   sumatrana, 85  
 Stilt, 38  
   Black-necked, 235  
 Storer, Robert W., the seasonal occurrence of shorebirds on Bay Farm Island, Alameda County, California, 186  
 Stott, Ken, Jr., an Anna hummingbird caught in a spider web, 49  
 Streptopelia chinensis, 39, 301  
 Stresemann, Erwin, on the supposed identity of Emberiza hyperborea Pallas with Pipilo fuscus Swainson, 257  
 Strix nebulosa, 140  
   nebulosa nebulosa, 203  
   occidentalis, 140

- Sturnella magna*, 260  
 neglecta, 39, 122, 145, 156, 183, 243
- Sturnus vulgaris*, 50, 144  
 vulgaris vulgaris, 242
- Sula dactylatra personata*, 36, 41  
 leucogaster brewsteri, 298  
 leucogaster plotus, 36, 41, 299  
 sula rubripes, 36, 40-41
- Sunbird, Yellow-bellied, 92
- Surf Bird, 123
- Sutton, George Miksch, birds and an ant army in southern Tamaulipas, 16; subspecific status of the green jays of northeastern Mexico and southern Texas, 124; *Caprimulgus ridgwayi* in Michoacan, Mexico, 261
- Swallow, Bank, 51, 141, 238  
 Barn, 141, 154, 239  
 Cliff, 142, 239  
 Pacific, 89  
 Rough-winged, 141, 156, 239  
 Tree, 51, 141, 238  
 Violet-green, 52, 141, 238
- Swan, Trumpeter, 230  
 Whistling, 135, 229
- Swift, Black, 140, 236  
 Vaux, 140, 236  
 Whiskered Tree, 88  
 White-throated, 236
- Swiftlet, Glossy, 88  
 Vanikoro, 88
- Synthliboramphus antiquus*, 301
- T**
- Taber, Richard D., and Collias, Nicholas E., a field study of some grouping and dominance relations in ring-necked pheasants, 265
- Taber, Wendell, road-runner in Oklahoma, 101
- Tachycineta thalassina*, 52, 141  
 thalassina lepida, 238
- Tanager, Hepatic, 53  
 Red-throated Ant, 16-17  
 Summer, 244  
 Western, 145, 244
- Tanagra, 18  
 imitans, 8-14  
 luteicapilla, 8-14  
 minuta, 8-14
- Tangavius aeneus*, 263
- Tattler, Wandering, 38, 85
- Taylor, Lois Chambers, prior description of two Mexican birds by Andrew Jackson Grayson, 194
- Taylor, Walter P., and Duvall, Allan J., the Lucifer hummingbird in the United States, 202
- Teal, Blue-winged, 51, 123, 135, 157, 230  
 Cinnamon, 51, 135, 230  
 Green-winged, 51, 135, 230
- Telespiza cantans cantans*, 41  
 cantans ultima, 41
- Telmatodytes palustris*, 143, 240  
 palustris aestuarinus, 240  
 palustris plesius, 240
- Tern, 114  
 Black, 139, 235  
 Caspian, 139, 154, 158, 235  
 Elegant, 154  
 Hawaiian, 39  
 Forster, 139, 235  
 Gray-backed, 38  
 Least, 154, 204, 235  
 Royal, 154  
 Sooty, 39
- Thalasseus bergii*, 85  
 elegans, 154
- Thamnophilus doliatus*, 16-17
- Thrasher, Bendire, 240  
 Crissal, 240  
 Leconte, 240  
 Long-billed, 18  
 Sage, 240
- Thraupis abbas*, 5, 8-14  
 episcopus, 5, 8-14  
 palmarum, 5, 8-14
- Thrush, Hermit, 143, 179, 182, 241  
 Kauai, 34  
 Swainson, 143, 179, 241  
 Varied, 143, 240
- Thryomanes bewickii*, 53, 143, 197, 240, 260  
 bewicki atrestus, 240  
 bewickii catalinae, 120  
 bewickii correctus, 120  
 bewickii eremophilus, 240  
 bewickii nesophilus, 120, 122  
 sissonii, 197
- Thryothorus maculipectus*, 18  
 modestus, 7-14  
 nigricapillus, 7-14  
 nigricapillus semibadius, 14  
 sissonii, 197
- Titmouse, Black-crested, 52  
 Plain, 239
- Tityra inquisitor*, 7-14  
 semifasciata, 7-14
- Todirostrum cinereum*, 5, 7-14  
 sylvia, 5, 7-14
- Tordoff, Harrison B., osteology of *Colinus hobbardi*, a Pliocene quail, 23; a quail from the Oligocene of Colorado, 203; Sitka crossbill in Kansas, 261
- Totanus flavipes*, 138, 158, 234  
 melanoleucus, 44, 138, 191, 234
- Towhee, Abert, 245  
 Brown, 53, 257  
 Green-tailed, 245  
 Socorro, 194-197  
 Spotted, 120-121, 146, 157, 181, 182, 245, 261
- Toxostoma bendirei*, 240  
 dorsale dorsale, 240  
 lecontei lecontei, 240  
 longirostre, 18

Tree-duck, Fulvous, 55, 158, 230  
 Trichoglossus haematodus, 83  
   haematodus massena, 86  
 Tringa solitaria, 138  
   solitaria cinnamomea, 234  
 Troglodytes aedon, 142  
   aedon parkmanii, 240  
   insularis, 194-197  
   musculus, 5, 7-14  
   rufociliatus, 5, 7-14  
   solstitialis, 5, 7-14  
   troglodytes, 143  
   troglodytes pacificus, 240  
 Trogon, 4  
   elegans ambiguus, 18  
   Trogon, Coppery-tailed, 18  
 Tropic Bird, Red-tailed, 36  
   White-tailed, 36  
 Turdus assimilis, 7  
   grayi, 7, 18  
   ignobilis, 7  
   migratorius, 143, 181, 303  
   migratorius propinquus, 240  
 Turkey, 38  
   Domestic, 33  
   Wild, 137, 153  
 Turnstone, Black, 190, 192  
   Ruddy, 38, 85, 190-191, 234  
 Tympanuchus cupido, 37  
 Tyrannus, 18  
   melancholicus, 52  
   tyrannus, 237  
   verticalis, 141, 154, 238  
   vociferans, 52  
   vociferans vociferans, 238  
 Tyto alba, 139  
   alba crassirostris, 88  
   alba pratincola, 122, 235

## U

Uria aalge, 99  
   aalge californica, 99, opposite 161  
   aalge inornata, 99  
 Urubitinga anthracina, 155

## V

Veery, 241  
 Verdin, 239  
 Vermivora celata, 144, 154, 242  
   celata celata, 242  
   celata lutescens, 242  
   celata orestera, 242  
   celata sordida, 120, 122  
   chrysoptera, 13  
   luciae, 155, 242  
   pinus, 13  
   ruficapilla, 144, 154, 156  
   ruficapilla ridgwayi, 242  
   virginiae, 242  
 Vestiaria coccinea, 34  
 Vireo bellii, 242  
   bellii arizonae, 242

  bellii pusillus, 242  
   flavifrons, 242  
   gilvus, 144, 242  
   gilvus leucopolius, 242  
   gilvus swainsonii, 242  
   griseus, 18  
   huttoni, 144  
   huttoni huttoni, 122  
   olivaceus flavoviridis, 18  
   solitarius, 144, 156, 242  
   solitarius cassinii, 242  
   solitarius plumbeus, 242  
   vicinior, 242  
 Vireo, Bell, 242  
   Gray, 242  
   Hutton, 144  
   Solitary, 144, 156, 242  
   Warbling, 144, 242  
   White-eyed, 18  
   Yellow-green, 18  
 Vultur gryphus, 102  
 Vulture, Black, 84  
   Turkey, 51, 136, 178, 231

## W

Wagtail, Willie, 90  
 Warbler, Audubon, 53, 144, 243  
   Black-and-white, 51, 242  
   Black-throated Gray, 144, 156, 243  
   Blue-winged, 13  
   Fan-tailed, 18  
   Golden-winged, 13  
   Grace, 156, 260  
   Hermit, 144, 156, 179, 243  
   Kentucky, 154  
   Lichtenstein, 18  
   Lucy, 155, 242  
   Magnolia, 242  
   Middendorf's Grasshopper, 206  
   Myrtle, 144, 243  
   Nashville, 144, 154, 156, 242  
   Orange-crowned, 120, 144, 242  
   Parula, 100  
   Pileolated, 145, 179, 243  
   Pitiayumi, 18  
   Swainson, 154  
   Tolmie, 145, 243  
   Townsend, 144, 243  
   Virginia, 242  
   Yellow, 51, 144, 242  
 Water-thrush, Louisiana, 151  
   Northern, 260  
 Waxwing, Cedar, 144, 241  
   Greater, 241  
   Holarctic, 143  
 Webster, J. Dan, corrections concerning data on  
   Alaskan birds, 54  
 Wetmore, Alexander, the original description of  
   the fossil bird *Cryptornis antiquus*, 153;  
   the identity of two Asiatic birds recorded  
   from Nunivak Island, Alaska, 206

Whip-poor-will, Collared, 261  
 White-eye, 34, 39  
     Central Solomons, 92  
 Widgeon, European, 135, 230  
 Willet, 187-189, 191, 234  
     Western, 44  
 Wilsonia pusilla, 145, 179, 243  
     pusilla chryseola, 243  
     pusilla pileolata, 243  
     pusilla pusilla, 243  
 Woodbury, Angus M., and Knight, Howard, re-  
     sults of the Pacific gull color-banding  
     project, 57  
 Woodhewer, Ivory-billed, 159  
 Woodpecker, Acorn, 140, 180, 237  
     Black-backed, 237  
     Downy, 141, 237  
     Gila, 237  
     Hairy, 141, 237  
     Ladder-backed, 18, 52, 237  
     Lewis, 140, 237  
     Pileated, 140  
     Three-toed, 237  
     White-headed, 237  
 Wren, Bewick, 53, 120, 143, 197, 240, 260  
     Cactus, 240  
     Canyon, 53, 240  
     House, 142, 240  
     Long-billed Marsh, 143, 240  
     Rock, 53, 143, 240  
     Socorro, 194-197  
     Spotted-breasted, 18  
     White-bellied, 18  
     Winter, 143, 240  
 Wren-tit, 142

## X

Xanthocephalus xanthocephalus, 111, 145, 243  
 Xanthoura yncas, 18, 124-128  
     yncas centralis, 128  
     yncas glauceseens, 124-128  
     yncas luxuosa, 124-128  
     yncas maya, 128  
     yncas vivida, 124-125, 128  
 Xiphorhynchus flavigaster, 18, 159

## Y

Yellow-legs, Greater, 44, 138, 189, 191, 234  
     Lesser, 138, 158, 234  
 Yellow-throat, 145, 243  
 Yocom, Charles F., breeding status of the ring-  
     necked duck in Washington, 47

## Z

Zenaida asiatica mearnsi, 235  
 Zenaidura macroura, 52, 139, 258, 260, 262  
     macroura marginella, 122, 235  
 Zonotrichia, 206  
     albicollis, 147, 246  
     coronata, 147, 246  
     leucophrys, 147, 179, 246  
     leucophrys gambelli, 246  
     leucophrys nuttalli, 118  
     leucophrys oriantha, 246  
     leucophrys pugetensis, 123  
     querula, 246  
 Zosterops palpebrosus, 34, 39  
     rendovae, 83, 90-91  
     rendovae kulambangrae, 83, 92  
     rendovae rendovae, 83, 92