

INDEX TO VOLUME X

A

- Abdimia abdimii*, 12
Acanthis linaria, 23, 171
Accipiter atricapillus, 162
 cooperi, 108, 129, 138, 147, 162
 velox, 66, 108, 161
Actitis macularia, 20, 83, 126, 130, 160, 197, 235
Actodromas bairdii, 159
 maculata, 159
 minutilla, 159
 Adams, Samuel, notes on the Rhea or South American Ostrich, 69
Æchmophorus occidentalis, 38, 156, 186, 196, 201
Ægialitis nivosa, 93, 126, 197
 vocifera, 126, 137
Aeronautes melanoleucus, 66, 84, 110, 127, 138, 165, 192
Agelaius gubernator californicus, 204
 tricolor, 198
 phoeniceus, 22, 113, 148, 170
 phoeniceus arctolegus, 93
 phoeniceus fortis, 93
 phoeniceus neutralis, 93, 138, 204
Aimophila cassini, 114
 ruficeps, 114
 ruficeps ruficeps, 114
 Allen, Glover M., see Townsend, C. W.
Aluco pratincola, 197, 203
Ammodramus sandwichensis alaudinus, 128
 sandwichensis bryanti, 128
Ampelis cedrorum, 43, 114, 150
 garrulus, 175
Amphispiza belli, 85
 bilineata deserticola, 149
 nevadensis, 149, 175
 nevadensis canescens, 201, 204
Anas boschas, 38, 157
 platyrhynchos, 201
 Anderson, Rudolph M., review of his "Birds of Iowa", 54; nesting of the Pine Siskin at Great Slave Lake, 234
Anser gambeli, 126
Anthus arboreus, 223
 pensilvanicus, 24, 43, 86, 115, 128, 151, 177
Aphelocoma californica, 42, 138, 204
 californica californica, 222
 insularis, 127
 sieberi arizonæ, 77, 112
 woodhousei, 22, 78, 112, 148, 168
Aquila chrysaetos, 20, 40, 109, 138, 147, 162
Archibuteo ferrugineus, 147, 162
 lagopus sancti-johannis, 40
Ardea candidissima, 20, 197
 egretta, 197
 herodias, 38, 78, 83, 126, 137, 158, 197, 202, 229
 herodias treganzai, 190
 virescens anthonyi, 137, 197
Ardetta exilis, 197
Arenaria melanocephala, 79, 83, 126, 130
 morinella, 50
Asio accipitrinus, 41, 162
 wilsonianus, 138, 147, 162, 197, 203
Astragalinus lawrencei, 67
 psaltria, 138, 149, 171, 198
 psaltria hesperophilus, 67, 113, 128, 222
 tristis, 23
 tristis pallidus, 149, 171
 tristis salicamans, 42, 138, 204
Asyndesmus lewisi, 164
 Auk, Great, 6
 Auklet, Cassin, 49, 82, 125
 Rhinoceros, 49, 125
 Avocet, American, 159, 197, 203
Aythya affinis, 83
 americana, 197

B

- Bæolophus inornatus griseus*, 178
 wollweberi, 77
 wollweberi annexus, 116
 Baldpate, 157
 Bangs, Outram, see Thayer, John E.
Bartramia longicauda, 160
 Beebe, C. W., review of his "Geographic Variation in Birds, with especial reference to the effect of Humidity", 97
 Bittern, American, 39, 158, 197, 202
 Least, 197
 Blackbird, Bicolored, 204
 Brewer, 23, 42, 112, 138, 149, 170, 198, 219, 221
 Red-winged, 22, 112, 148, 170, 182
 San Diego Red-winged, 138, 204
 Tricolored, 198
 Yellow-headed, 22, 94, 112, 148, 169, 198, 204
 Blackwelder, Eliot, review of his "Report on Zoology", 53
 Bluebird, California, 44
 Chestnut-backed, 116, 151, 180, 206
 Mountain, 26, 44, 50, 116, 151, 180
 Western, 139, 198, 205
 Bobolink, 22, 169
 Bob-white, 160
Botaurus lentiginosus, 39, 158, 197, 202
 Bowles, J. H., the Tawny Creeper in western Washington, 27; odds and ends from Washington State, 129; a few summer birds of Lake Chelan, Washington, 191
 Brant, Black, 39

- Branta canadensis*, 39, 158
 canadensis hutchinsii, 158
 nigricans, 39
Bubo magellanicus pallescens, 109
 virginianus icelus, 41
 virginianus pacificus, 41, 138, 197, 203
 virginianus pallescens, 14, 21, 147, 163
Bubulcus lucidus, 13
 Bufflehead, 158
 Bunting, Lark, 24, 114, 150
 Lazuli, 24, 68, 139, 150, 173
Buphaga erythrorhyncha, 13
Bush-tit, California, 129, 139, 205, 222
 Lead-colored, 77, 116, 151, 179
 Sacramento, 44
Bustard, Crested, 13
Buteo abbreviatus, 181
 borealis calurus, 20, 40, 66, 83, 108, 127,
 138, 147, 162, 181, 187, 203
 lineatus elegans, 197
 swainsoni, 109, 138, 147, 162
Butorides virescens anthonyi, 202
 Buzzard, Turkey, 20, 40, 108
- C
- Calamospiza melanocorys*, 24, 114, 150
Calcarius ornatus, 113
Calidris arenaria, 79, 126
Callipepla squamata, 93, 108
Calypte anna, 66, 127, 138
Campophilus imperialis, 91
 Canvasback, 158
Carpodacus amplus, 105
 cassini, 23, 42, 113, 170
 clementis, 84, 128
 mexicanus clementis, 67
 mexicanus frontalis, 113, 138, 149, 170,
 198, 204, 221
 purpureus californicus, 127, 138, 222
 Carriger, H. W., and J. R. Pemberton, some
 notes on the Great Blue Heron, 78
 Catbird, 25, 151, 177, 191, 193
Cathartes aura, 20, 40, 108, 138, 147, 161
 aura septentrionalis, 197, 203
Catherpes mexicanus conspersus, 115, 178
 mexicanus punctulatus, 128
Centrocerus urophasianus, 20, 166
Centronyx bairdii, 113
Centurus uropygialis, 76, 110
Ceophlæus pileatus abieticola, 41
Cepphus columba, 49, 125
Cerchneis sparveria phalæna, 104
Cerorhinca monocerata, 49, 125
Certhia familiaris, 27
 familiaris albescens, 116
 familiaris montanus, 151, 178
 familiaris occidentalis, 27, 43
Ceryle alcyon, 21, 41, 84, 127, 130, 164, 222
 torquatus, 229
Chætura vauxi, 221, 222
 Chaffinch European, 238
Chamæa fasciata, 139
 fasciata intermedia, 222
 fasciata phæa, 43
 fasciata rufula, 44
 Chambers, W. Lee, the present status of the
 Least Tern in Southern California, 237
Charitonetta albeola, 158
Chaulelasmus streperus, 157
 Chat, Long-tailed, 24, 151, 177, 198, 205
Chen hyperborea, 158
Chickadee, Chestnut-backed, 43, 181
 Long-tailed, 177, 194
 Mountain, 26, 43, 151, 179
 Santa Cruz, 221
 Southern California, 29
Chondestes grammacus strigatus, 23, 42, 128,
 138, 149, 172, 198, 204
Chordeiles acutipennis texensis, 204
 virginianus henryi, 21, 148, 165
Ciconia alba, 12
Cinclus mexicanus, 24, 43, 177
Circus hudsonius, 20, 40, 108, 161, 197, 203
Clangula islandica, 158
 Clark, Austin H., review of his "Eighteen New
 Species and One New Genus of Birds from
 Eastern Asia and the Aleutian Islands," 54
Coccyzus americanus occidentalis, 164, 197,
 203
Colaptes cafer collaris, 21, 41, 66, 84, 110, 138,
 147, 164, 197, 203, 221
 rufipileus, 104, 127
Colinus virginianus, 160
 Colorado Biological Society, notice of the An-
 nual Meeting of, 96
Columba fasciata, 40, 108, 137, 161
Colymbus californicus, 186
 nigricollis californicus, 20, 82, 125, 156
Condor, California, 5, 59, 130, 137, 208
Contopus borealis, 148, 221
 richardsoni, 21, 77, 111, 138, 167
 richardsoni richardsoni, 127, 221
 Cooper Club, directory of members of the, 209
 Cooper Club minutes, 56, 98, 127, 184, 240
 Coot, American, 20, 39, 126, 159, 197, 202
 Cormorant, Baird, 38, 48, 83, 126
 Brandt, 48, 82, 126
 Farallon, 38, 82, 126, 186, 189, 196, 201, 209
 White-crested, 48
Corvus americanus hesperis, 138
 brachyrhynchos hesperis, 42, 198, 204
 corax sinuatus, 22, 42, 67, 84, 112, 127, 130,
 148, 168, 204
 cryptoleucus, 92, 112
Coturnix capensis, 13
 Cowbird, 22, 148, 169, 198
Crates obscurus griseus, 42
 obscurus obscurus, 42
 Crane, Sandhill, 39, 159, 202
 Creeper, Rocky Mountain, 151, 178
 Sierra, 27, 43
 Sierra Madre, 116
 Tawny, 27

Crossbill, 139
 Mexican, 171
 White-winged, 141
 Crow, California, 42, 138, 204
 Clarke, 192
 Northwest, 47
 Western, 198
Crymophilus fulicarius, 104, 126
Cryptoglaux acadica, 94, 163
 Cuckoo, California, 164, 197, 203
 Curlew, Long-billed, 160, 203
Cyanocephalus cyanocephalus, 22, 148, 169
Cyanocitta stelleri carbonacea, 42, 134, 219, 221
stelleri diademata, 22, 78, 112, 148, 168
stelleri frontalis, 41, 134
Cyanospiza amœna, 24, 68, 139, 150, 173
Cypseloides niger, 192
niger borealis, 165
Cyrtonyx montezumæ mearnsi, 108

D

Dafila acuta, 39, 158, 197, 202
 Daggett, Frank S., a bit of early California natural history, 135
 Dawson, Wm. L., the new reserves on the Washington coast, 45
Dendragapus obscurus, 20, 161
obscurus fuliginosus, 40
Dendrocycna bicolor, 202
Dendroica æstiva, 24, 46, 68, 150, 176
æstiva brewsteri, 198, 205
auduboni, 24, 43, 76, 86, 115, 133, 150, 176
blackburniæ, 92
nigrescens, 43, 76, 115, 133, 150, 176
striata, 235
townsendi, 76, 94, 115, 128, 176, 193
 D'Evelyn, Dr. F. W., locust-destroying birds of the Transvaal, 10; notes on the waltzing instinct in ostriches, 119
Dilophus carunculatus, 12
Diomedea nigripes, 103
 Dipper, American, 177
 Dixon, Joseph, field notes from Alaska, 139; a family of young duck hawks, 198
Dolichonyx oryzivorus, 22, 169
 Dove, Cape Turtle, 13
 Mourning, 20, 66, 83, 108, 127, 137, 147, 161, 197, 203
 White-winged, 129
 Dowitcher, Long-billed, 203
Dryobates arizonæ, 76, 110
nuttalli, 138, 198
pubescens gairdneri, 41
pubescens homorus, 147, 164
pubescens turati, 138, 203, 222
scalaris bairdi, 110
villosus hyloscopus, 109, 138
villosus monticola, 147, 164
 Duck, American Scaup, 158
 Canvasback, 158
 Fulvous Tree, 202

Harlequin, 158, 224
 Lesser Scaup, 83, 158
 Long-tailed, 224
 Pintail, 39, 158, 197, 202
 Redhead, 158, 197, 202
 Ruddy, 158, 197, 202
 Shoveller, 39, 158, 202

E

Eagle, Bald, 66, 83, 127, 130, 162
 Golden, 20, 40, 109, 138, 147, 162
 Northern Bald, 140
 Editorial notes, 51, 95, 131, 183, 209, 240
 Egret, 197, 202, 209
 White, 13
Egretta candidissima, 229
Empidonax difficilis, 67, 84, 111, 127, 138, 167
griseus, 111
hammondi, 111, 167
trailli, 167, 198, 204
wrighti, 148, 167
Ereunetes occidentalis, 79
mauri, 203
Erismatura jamaicensis, 158, 197, 202
 Euethia, 227
Euphagus cyanocephalus, 23, 42, 112, 170, 196, 219, 221
Eupsychortyx, 226

F

Falco columbarius, 109, 127, 147, 163
mexicanus, 138, 147, 168
peregrinus anatum, 83, 109, 127, 163
richardsoni, 163
sparverius, 21, 40, 83, 138, 147
sparverius phalcena, 109, 127, 163, 197, 203
 Falcon, Peale, 47
 Prairie, 138, 147, 168
 Ferry, John F., notes from the diary of a naturalist in Northern California, 30; a month's bird-collecting in Venezuela, 225
 Field and study, from, 50, 91, 129, 207, 236
 Finch, California Purple, 128, 138, 222
 Cassin, 23, 42, 113, 170
 House, 44, 113, 138, 149, 170, 198, 204, 221
 San Clemente House, 128
 Finley, Wm. L., life history of the California Condor, 5, 59; review of his "American Birds Studied and Photographed from Life", 52
 Fleming, J. H., dates that are not data, 91
 Flicker, Red-shafted, 21, 41, 66, 84, 110, 127, 138, 147, 164, 197, 203, 221
 Flycatcher, Ash-throated, 21, 138, 148, 166, 198, 204
 Buff-breasted, 207
 Gray, 111
 Hammond, 111, 167
 Olivaceous, 77

Olive-sided, 41, 77, 148, 167, 221
 Traill, 167, 198, 204
 Vermilion, 44, 91, 111
 Western, 67, 84, 111, 127, 138, 167
 Wright, 148, 167
Fringilla cœlebs, 238
Fulica americana, 20, 39, 126, 159, 197, 202
Fulmar, Pacific, 50, 82, 126, 238
Fulmarus glacialis glupischa, 82, 126, 238

G

Gadwall, 157
Galeoscoptes carolinensis, 25, 151, 177, 193
Gallinago delicata, 40, 159
Gavia immer, 157, 186
 pacifica, 125
Geococcyx californianus, 13, 109, 138, 197, 203
Geothlypis tolmiei, 150, 177
 trichas arizela, 43, 205
 trichas occidentalis, 150, 177
 Gifford, E. W., the rehabilitation of the California Academy of Sciences, 95
Glareola, 12
Glaucidium gnoma, 164
 Gnatcatcher, Plumbeous, 45
 Western, 129, 139, 151, 179, 205, 239
 Godman, F. du Cane, review of his "A Monograph of the Petrels", 96
 Golden-eye, Barrow, 158
 Goldfinch, 23
 Arkansas, 128, 138, 149, 171, 198
 Green-backed, 67, 113, 222, 237
 Lawrence, 67
 Pale, 149
 Western, 171
 Willow, 42, 138, 204
 Goldman, E. A., the Green-winged Teal breeding in California, 129; the Virginia Rail (*Rallus virginianus*) breeding in Mexico, 181; summer birds of the Tulare Lake region, 200
 Goose, American White-fronted, 126
 Canada, 39, 158, 209
 Hutchins, 141, 158
 Lesser Snow, 158
 Goshawk, American, 162
 Grebe, American Eared, 20, 82, 125, 156, 186, 209
 Pied-billed, 38, 196, 201
 Western, 38, 156, 186, 196, 201
 Grinnell, Joseph, the Southern California Chickadee, 29; Goonies of the desert, 92; Catalina Quail, 94; some birds of Anacapa Island, 130; birds of a voyage on Salton Sea, 185; subspecific names in the Genus *Passerella*, 237; the California record of the Cape Robin open to question, 238
 Grosbeak, Black-headed, 24, 114, 139, 150, 173, 220

Rocky Mountain Pine, 170
 Western Blue, 150, 198, 205
 Western Evening, 170, 192
 Grouse, Dusky, 20, 40, 161
 Prairie Sharp-tailed, 161
 Sage, 20, 161
Grus mexicana, 39, 159, 202
 Guillemot, Pigeon, 49, 125
 Guinea-fowl, 13
Guiraca cærulea lazula, 150, 198, 205
 Gull, California, 82, 198, 209
 Glaucus, 47
 Heerman, 82, 125
 Ring-billed, 38, 157, 186, 209
 Western, 47, 125
Gymnogyps californianus, 5, 59, 130, 137, 197

H

Hæmatopus bachmani, 47, 126, 130
Haliaeetus leucocephalus, 66, 83, 127, 130, 162
 Hawk, American Rough-legged, 40
 Cooper, 108, 138, 147, 162
 Desert Sparrow, 127, 163, 197, 206
 Duck, 83, 109, 127, 142, 162, 198
 Ferruginous Rough-legged, 147, 162
 Fish, 40, 83
 Marsh, 20, 40, 108, 161, 197, 203
 Mexican Black, 116, 181
 Pigeon, 109, 127, 147, 162
 Red-bellied, 199
 Sharp-shinned, 66, 108, 161
 Sparrow, 21, 40, 47, 83, 138, 147, 203, 203, 235
 Swainson, 109, 138, 147, 162
 Western Red-tailed, 20, 40, 66, 83, 108, 127, 138, 147, 162, 197, 203
Heleodytes brunneicapillus couesi, 115
Helminthophila celata celata, 128
 celata lutescens, 46, 176
 celata sordida, 68
 luciae, 76, 150
 rubricapilla gutturalis, 43
 sordida, 86, 128
 virginiae, 176
Helodromas solitarius cinnamomeus, 160
 Henderson, Junius, the Mountain Bluebird in Northern Arizona, 94
 Herodias egretta, 202
 Heron, Anthony Green, 137, 197, 202
 Black-crowned Night, 78, 159, 197, 202, 209
 Great Blue, 39, 78, 83, 126, 137, 158, 186, 190, 197, 202, 209
 Snowy, 20, 197, 229
Hesperiphona vespertina montana, 170, 192
Heteractitis incanus, 83, 104, 126, 130
Himantopus mexicanus, 159, 197, 203
Hirundo erythrogaster, 24, 43, 46, 150, 175, 205
Histrionicus histrionicus, 158

- Hummingbird, Allen, 66, 84, 127
 Anna, 66, 127, 138
 Black-chinned, 110, 148
 Broad-tailed, 21, 110, 148, 165, 195, 207
 Bryant Hybrid, 207
 Calliope, 192
 Costa, 44
 Rivoli, 207
 Rufous, 46, 165
 Hydrochelidon nigra surinamensis, 20, 157, 196, 201
 Hyllocichla guttata auduboni, 116, 151, 179
 guttata guttata, 44, 116
 guttata nana, 68, 86, 129, 151
 guttata slevini, 44, 121, 133, 134, 221
 ustulata, 86
 ustulata swainsoni, 179, 193
 ustulata ustulata, 44, 46, 129, 221

I

- Ibis, Hadadah, 13
 White-faced Glossy, 197, 202, 209
 Icteria virens longicauda, 21, 151, 177, 198, 205
 Icterus bullocki, 22, 84, 138, 149, 170, 198, 204
 cucullatus nelsoni, 67
 parisorum, 75, 112
 Iridoprocne bicolor, 175, 205
 Ixoreus naevius, 44, 86, 91, 118, 119

J

- Jay, Arizona, 77, 112
 Blue-fronted, 41, 134
 California, 42, 138, 204, 222
 Canada, 235
 Coast, 42, 133, 219, 221
 Gray, 42
 Long-crested, 22, 78, 112, 148, 168, 206
 Oregon, 42
 Pinyon, 22, 148, 169
 Rocky Mountain, 22, 168
 Santa Cruz Island, 127
 Steller, 133
 Woodhouse, 22, 78, 112, 148, 168
 Jordan, Dr. David S., review of his "Evolution and Animal Life", 52
 Junco aikenii, 172
 caniceps, 23, 75, 113, 149, 172
 hyemalis, 149, 235
 hyemalis connectens, 23, 149, 172
 hyemalis hyemalis, 92
 hyemalis oregonus, 130
 hyemalis pinosus, 92, 221
 insularis, 106
 mearnsi, 23, 113, 149, 172
 montanus, 172
 oregonus thurberi, 42, 85, 128
 oregonus shufeldti, 42, 113
 phaenotus palliatus, 75, 113

- Junco, Arizona, 113, 206
 Coues, 172
 Gray-headed, 23, 75, 113, 149, 172
 Intermediate, 23, 149
 Montana, 172
 Oregon, 130
 Pink-sided, 23, 113, 149, 172
 Point Pinos, 221
 Shufeldt, 42, 113
 Slate-colored, 149, 235
 Thurber, 42, 85, 128
 White-winged, 172

K

- Kaeding, Henry B., retrospective, 215
 Kestrel, South African, 13
 Killdeer, 20, 40, 78, 126, 137, 160, 197, 203
 King of the kopje, 13
 Kingbird, 165, 191
 Arkansas, 84, 110, 138, 165, 198, 204
 Cassin, 44, 127, 148, 165
 Eastern, 21
 Western, 21, 148
 Kingfisher, Belted, 21, 41, 84, 127, 130, 164, 222
 Kinglet, Ruby-crowned, 26, 116, 129, 139, 151, 179
 Western Golden-crowned, 44, 123, 133, 179
 Kittiwake, Pacific, 238

L

- Lagopus leucurus altipetens, 20
 Lanius anthonyi, 128
 borealis, 175
 ludovicianus anthonyi, 182
 ludovicianus excubitorides, 24, 43, 115, 150, 175
 ludovicianus gambeli, 92, 198, 205
 ludovicianus mearnsi, 182
 mearnsi, 85
 Lanivireo solitarius plumbeus, 230
 Lark, Desert Horned, 21, 167
 Horned, 138
 Island Horned, 84, 127
 Mexican Horned, 204
 Montezuma Horned, 111
 Pallid Horned, 148
 Scorched Horned, 111
 Larus californicus, 82, 196
 delawarensis, 38, 157, 186, 190
 glaucescens, 47
 heermanni, 82, 125
 occidentalis, 47, 104, 125
 Leucosticte atrata, 23
 australis, 23, 171
 Leucosticte, Black, 23
 Brown-capped, 23, 171
 Hepburn, 141
 Linnet, Pine, 23, 113
 San Clemente, 67, 84

Linton, C. B., *Dafila acuta* breeding at Buena Vista Lake, Kern County, California, 50; Pacific Fulmar in San Diego Bay, 50; notes from San Clemente Island, 82; notes from Santa Cruz Island, 123; *Salpinctes obsoletus pulverius* restricted to San Nicolas Island, 129; a correction, 181; microscopic subspecies, 181; *Otocoris alpestris insularis* on the mainland coast, 181; Forbush Sparrow in Southern California, 182; is not the San Clemente Shrike (*Lanius l. mearnsi*) identical with the Island Shrike, (*Lanius l. anthonyi*)?, 182; notes from Buena Vista Lake, May 20 to June 16, 1907, 196; *Pipilo clementæ* excluded from Santa Cruz Island avifauna, 208; Pacific Fulmars and Pacific Kittiwakes at Long Beach, 238; early record of *Passerculus rostratus* in Los Angeles County, 239

Longspur, Chestnut-collared, 113

Loon, 157, 186
Pacific, 125

Lophodytes cucullatus, 157

Lophortyx californicus, 160
californicus californicus, 40, 221
californicus vallicola, 40, 203
catalinensis, 66, 94
gambeli, 108, 147

Loxia curvirostra stricklandi, 171

Lunda cirrhata, 48

M

Macrorhamphus scolopaceus, 203

Magpie, American, 168
Black-billed, 22, 41, 148
Yellow-billed, 138, 204

Mailliard, Joseph, San Geronimo notes, 94; migration wave of Varied Thrushes, 118; Cooper Hawks attacking crows, 129; Sierran forms on the coast of Sonoma County, California, 133; the southern limit of the chestnut-backed Chickadee (*Parus rufescens*) on the California coast, 181

Mallard, 38, 157, 201

Mareca americana, 157

Marila affinis, 158
americana, 158, 202
marila, 158
vallisneria, 158

Martin, Purple, 24, 174
Western, 139

Massey, Herbert, arrangement of an oological collection, 223

McGregor, Richard C., the Bryant hybrid hummingbird, 207

Meadowlark, Mexican, 112

Western, 22, 42, 84, 112, 128, 138, 149, 170, 198, 204

Megascops asio cineraceus, 109

Melanerpes erythrocephalus, 21
formicivorus, 76

formicivorus aculeatus, 110

formicivorus bairdi, 41, 138, 222
torquatus, 21, 41

Meleagris gallopavo merriami, 147

Melopelia leucoptera, 129

Melospiza cinerea cleonensis, 43
cinerea cooperi, 182
cinerea heermanni, 205
cinerea montana, 23
cinerea morphna, 46
cinerea samuelis, 43
clementæ, 85
graminea, 128
lincolni, 114, 150, 173
lincolni lincolni, 43
lincolni striata, 182
melodia heermanni, 198
melodia montana, 149, 173
pusillula, 79

Merganser americanus, 20

serrator, 79, 126

Merganser, American, 20, 157

Hooded, 157

Red-breasted, 79, 126, 157

Mergus americanus, 157

serrator, 157

Merlin, Richardson, 163

Merula confinis, 238

migratoria propinqua, 26, 44, 151, 239

Metz, Chas. W., the nesting of the Rocky Mountain Screech Owl in Wyoming, 143;

Meyers, Harriet W., observations on the nesting habits of the Phainopepla, 72

Micruria hypoleuca, 104

Miller, Loye Holmes, Louisiana Water-Thrush in California, 236

Mimus polyglottos, 24, 45

polyglottos leucopterus, 68, 86, 128, 151, 177, 198, 205

Mockingbird, 24, 45

Western, 68, 86, 128, 151, 177, 198, 205

Molothrus ater, 22, 148, 169

Murre, California, 46

Murrelet, Xantus, 125

Myadestes townsendi, 26, 44, 116, 151, 179

Myiarchus cinerascens, 21, 138, 148, 166, 198, 204

lawrencei olivaceus, 77

N

Nannus hiemalis pacificus, 43, 121, 219, 221

Nettion carolinense, 201

carolinensis, 129, 157, 198

Nighthawk, Texas, 204

Western, 21, 148, 165, 206

Nucifraga columbiana, 22, 42, 148, 168, 192

Numenius americanus, 203

hudsonicus, 126

longirostris, 79, 160

Numida coronata, 13

Nutcracker, Clarke, 22, 42, 148, 168

- Nuthatch, Canada, 43
 Pygmy, 25, 116, 151, 128
 Red-breasted, 151, 178
 Rocky Mountain, 77, 116, 178, 194, 206
 Slender-billed, 25, 43, 138, 151
Nuttallornis borealis, 41, 77, 167
Nycticorax nycticorax naevius, 78, 79, 159, 197, 202
- O
- Oceanodroma furcata*, 49
 kaedingi, 49
 macrodactyla, 103
 melania, 82, 126
Oidemia deglandi, 126
 perspicillata, 126
Olbiorchilus hiemalis pacificus, 46
Oporornis tolmiei, 76, 115
Oreortyx pictus plumiferus, 40
Oreospiza chlorura, 24, 43, 114, 151, 173
 Oriole, Arizona Hooded, 44, 67
 Bullock, 22, 44, 84, 138, 149, 170, 191, 198, 204
 Scott, 75, 112
Oroscoptes montanus, 25, 151, 177
 Osprey, American, 40, 83, 127, 163
 Ostrich, South African, 119
Otis kori, 13
Otus asio bendirei, 203
 asio maxwelliæ, 143
Otocoris alpestris, 138
 alpestris actia, 204
 alpestris adusta, 111
 alpestris insularis, 84, 181
 alpestris leucolæma, 21, 148, 167
 alpestris occidentalis, 111
 insularis, 127
Otogyps auricularis, 13
 Ouzel, Water, 24, 43 (see Dipper)
 Owl, American Barn, 127, 138, 197, 203
 American Long-eared, 163
 Burrowing, 21, 41, 84, 109, 127, 138, 147, 163, 197, 203
 California Screech, 203
 Dusky Horned, 41
 Horned, 138
 Long-eared, 138, 147, 163, 197, 203
 Mexican Screech, 109
 Pacific Horned, 197, 203
 Pygmy, 164
 Rocky Mountain Screech, 143, 207
 Saw-whet, 94, 163
 Short-eared, 41, 163
 Spotted, 109
 Western Horned, 14, 21, 41, 109, 147, 163
 Ox-picker, Red-billed, 13
Oxyechus vociferus, 20, 40, 78, 160, 197, 203
 Oyster-catcher, Black, 47, 126, 130
- Palmer, T. S., the European Chaffinch at Berkeley, California, 238
Pandion carolinensis, 127
 haliaetus carolinensis, 40, 83, 163
 Partridge, California, 40, 160
 Catalina, 66, 103
 Gambel, 108, 147
 Mearns, 108
 Mountain, 40
 Scaled, 93, 108
 Valley, 40, 137
Parus gambeli, 26, 30, 151
 gambeli baileyæ, new subspecies, 29
 gambeli gambeli, 29
 inornatus, 139
 inornatus griseus, 25, 151
 rufescens, 133
Passer domesticus, 13, 23, 42, 113, 138, 149, 171, 198
Passerculus rostratus, 239
 sandwichensis alaudinus, 113, 172
Passerella iliaca annectens, 238
 iliaca fuliginosa, 46
 iliaca iliaca, 50
 iliaca insularis, 68, 85, 128, 238
 iliaca megarhyncha, 43, 128
 iliaca meruloides, 238
 iliaca schistacea, 173
 iliaca stephensi, 128
Pelecanus californicus, 38, 83, 126
 erythrorhynchos, 157, 186, 196, 201
 Pelican, American White, 157, 186, 196, 201, 209
 California Brown, 38, 83, 126
 Pemberton, J. R. (see Carriger, H. W.), field notes from Central California, 50;
Junco hyemalis hyemalis, 91; northern range of the *Phainopepla*, 238; notes on the Western Gnatcatcher, 239
Penthestes atricapillus septentrionalis, 179
 gambeli, 43, 179
 neglectus, 182
 rufescens, 43, 181
 rufescens barlowi, 221
Perisoreus canadensis, 235
 canadensis capitalis, 22, 168
 Petrel, Black, 82, 126
 Fork-tailed, 49
 Guadalupe, 103
 Kaeding, 49
Petrochelidon lunifrons, 24, 139, 150, 175, 198
 Pewee, Western Wood, 21, 77, 111, 127, 138, 167, 221
Phainopepla, 72, 114, 139, 238
Phainopepla nitens, 114, 139, 238
Phalænoptilus nuttalli, 21, 110, 165
 nuttalli californicus, 41, 66
Phalacrocorax auritus albociliatus, 186, 189, 196, 201
 dilophus albociliatus, 38, 82, 126,
 dilophus cinctatus, 48
 pelagicus resplendens, 38, 48, 83, 126
 penicillatus, 48, 82, 126
- P
- Paauw, 13

Phalarope, Northern, 20, 159
 Red, 126
 Wilson, 159, 203
 Phalaropus lobatus, 20, 159
 Phoebe, Black, 41, 67, 84, 111, 127, 138, 198,
 204, 222
 Say, 21, 45, 84, 111, 127, 138, 148, 166, 198
 Pica nuttalli, 138, 204
 pica hudsonica, 22, 41, 144, 168
 Picoides americanus dorsalis, 164
 Pigeon, Band-tailed, 40, 103, 137, 161
 Pinicola enucleator montana, 170
 Pipilo clementæ, 85, 128, 208
 consobrinus, 106
 crissalis crissalis, 43
 fuscus crissalis, 139
 fuscus mesoleucus, 114
 maculatus arcticus, 173
 maculatus clementæ, 68
 maculatus falcifer, 222
 maculatus megalonyx, 23, 138, 150, 198,
 208
 maculatus montanus, 114, 173, 205
 Pipit, American, 24, 43, 86, 115, 128, 151, 177
 Tree, 223
 Piranga erythromelas, 174
 hepatica, 75, 114
 ludoviciana, 24, 75, 85, 150, 174, 181
 rubra cooperi, 75, 85, 114
 Pisobia minutilla, 197
 Planesticus migratorius propinquus, 180
 Plegadis guarauna, 197, 202
 Plover, Black-bellied, 50, 126
 Mountain, 160
 Snowy, 83, 126, 197
 Pochard, 224
 Podasocys montanus, 160
 Podilymbus podiceps, 38, 196, 201
 Podicætes phasianellus campestris, 161
 Pœcetes gramineus confinis, 23, 113, 149,
 171
 Poor-will, 21, 110, 165
 Dusky, 41, 66
 Polioptila cærulea obscura, 129, 139, 151, 179,
 205, 239
 Polyborus lutosus, 106
 Porzana carolina, 20, 39, 159, 197
 Pratincole, Nordmann, 12
 Progne subis, 24, 174
 subis hesperia, 139
 Psaltriparus minimus californicus, 44, 139, 205
 minimus, 129, 222
 plumbeus, 77, 116, 151, 179
 Psittacula, 226
 Ptarmigan, Southern White-tailed, 20
 Ptychoramphus aleuticus, 49, 82, 104, 125
 Publications reviewed, 52, 96
 Puffin, Horned, 142
 Tufted, 49
 Puffinus griseus, 103, 126
 opisthomelas, 103, 126
 Pyrocephalus rubineus mexicanus, 91, 111

Q

Quail, California, 40, 221
 Catalina, 66, 94
 Cape, 13
 Gambel, 108
 Mearns, 108
 Mountain, 40
 Scaled, 108
 Valley, 40, 203
 Querquedula cyanoptera, 158, 192, 196, 202
 discs, 157

R

Rail, Carolina, 197
 Sora, 20, 39, 159
 Virginia, 39, 159, 181, 202
 Rallus obsoletus, 79
 virginianus, 39, 159, 181, 202
 Raven, 204
 American, 22, 42, 44, 112, 127, 148, 168
 Mexican, 67, 84, 130
 White-necked, 13, 112
 Ray, Milton S., from Big Creek to Big Basin,
 219
 Recurvirostra americana, 159, 197, 203
 Redpoll, 23, 142, 171
 Redstart, American, 151, 191, 193, 227
 Painted, 76, 115
 Regulus calendula, 26, 116, 129, 151, 179
 calendula obscurus, 105
 satrapa olivaceus, 44, 123, 133, 179
 Rhea, 69
 Rhea americana, 69
 darwini, 69
 Rhodinocichla, 226
 Richards, George, an unusual nesting local-
 ity for the Rocky Mountain Creeper, 194
 Richardson, Chas. H., Jr., spring notes from
 Catalina Island, 65; a curious bird tragedy,
 91; how large a bird can the California
 Shrike kill?, 92
 Ridgway, Robert, review of his "Birds of North
 and Middle America, Part IV", 130
 Riparia riparia, 139, 175
 Rissa tridactyla pollicaris, 238
 Ritter, William E., Mr. Rockwell's suggestion
 of cooperation in ornithological studies,
 235
 Roadrunner, 109, 138, 197, 203, 206
 Robin, Western, 26, 43, 151, 180, 206
 Rockwell, Robert B., nesting of the Western
 Horned Owl in Colorado, 14; some hints
 on the preparation of an oological col-
 lection, 86; red-winged Blackbirds of Col-
 orado, 93; an annotated list of the birds
 of Mesa County, Colorado, 152; a one-
 legged Red-winged Blackbird, 182; a
 striking example of protective color-
 ation, 207; a plan for cooperative ornithol-
 ogy, 208

S

- Salpinctes obsoletus*, 25, 43, 94, 115, 128, 129, 130, 151, 178
obsoletus guadalupensis, 105
obsoletus pulverius, 86, 129
 Sanderling, 126
 Sandpiper, Baird, 159
 Bartramian, 160
 Least, 126, 159, 197
 Pectoral, 159
 Solitary, 160
 Spotted, 20, 83, 126, 130, 160, 197, 235
 Western, 203
 Sapsucker, Northern Red-breasted, 130
 Red-naped, 21, 84, 110, 164
 Williamson, 110, 147, 164
Sayornis nigricans, 41, 67, 84, 111, 127, 138, 198, 204
 nigricans nigricans, 222
 saya, 21, 84, 111, 127, 138, 148, 165, 198
Scolecophagus cyanocephalus, 138, 149
 Scoter, White-winged, 126
 Surf, 126
 Secretary-bird, 113
Seiurus noveboracensis, 227
 noveboracensis notabilis, 150
 motacilla, 236, 237
Selasphorus alleni, 66, 84, 127
 platycercus, 21, 110, 148, 208
 rufus, 47, 165
Serpentarius secretarius, 13
Setophaga picta, 76, 115
 rutcilla, 151, 193, 227
 Sharp, C. S., late nesting of the Green-backed Goldfinch, 237
 Shearwater, Black-vented, 126
 Dark-bodied, 126
 Sheldon, Harry H., three nests of note from northern California, 120
 Shrike, California, 92, 139, 198, 205
 Island, 128, 182
 Northern, 175
 San Clemente, 85, 182
 White-rumped, 24, 43, 115, 150, 175
Sialia arctica, 26, 44, 50, 94, 116, 151, 180
 mexicana bairdi, 116, 151, 180
 mexicana occidentalis, 44, 139, 198, 205
Sitta canadensis, 43, 105, 151, 178
 carolinensis aculeata, 25, 43, 139, 151
 carolinensis nelsoni, 77, 116, 178, 194
 pygmæa, 25, 116, 151, 178
 Siskin, Pine, 23, 113, 149, 171, 234, 235
 Sittasomus, 227
 Snipe, Wilson, 40, 159
 Smith, Austin P., is the Mountain Bluebird resident at high altitudes?, 50; some data and records from the Whetstone Mountains, Arizona, 75; destruction of Imperial Woodpeckers, 91; Blackburnian Warbler noted at Fort Brown, Texas, 92; brain parasite in the White-necked Raven, 92; albinism of the Scaled Partridge, 93
Solitaire, Townsend, 26, 44, 116, 151, 179
Sora, 20, 39
 Sparrow, Baird, 113
 Bell, 85
 Black-throated, 45
 Brewer, 23, 113, 149, 206
 Bryant Marsh, 28
 California Sage, 204
 Cassin, 114
 Chipping, 235
 Desert, 149
 Eastern Fox, 50
 English, 13, 23, 42, 113, 138, 149, 171, 198
 Forbush, 182
 Fox, 139, 237
 Gambel, 149
 Golden-crowned, 42, 67, 85, 128, 129
 Harris, 84
 Heermann Song, 198, 205
 Intermediate, 42, 67, 85, 113, 128, 172, 235
 Kadiak Fox, 85, 128
 Lincoln, 43, 114, 150, 173
 Mendocino Song, 43
 Mountain Song, 23, 149, 173
 Nuttall, 130
 Rufous-crowned, 128
 Rusty Song, 46
 Sage, 149, 173
 Samuels Song, 43
 San Clemente Song, 43
 San Diego Song, 182
 Santa Barbara Song, 128
 Scott Rock, 114
 Slate-colored, 173
 Song, 142
 Sooty Fox, 46
 Stephens Fox, 128
 Thick-billed, 43, 128
 Townsend, 142
 Western Chipping, 23, 42, 68, 113, 149, 172, 192
 Western Lark, 23, 42, 128, 138, 149, 172, 198, 204
 Western Savanna, 113, 128, 172
 Western Tree, 149, 172
 Western Vesper, 23, 113, 149, 171
 White-crowned, 23, 149, 172
 White-throated, 94, 235
 Yakutat Fox, 50
Spatula clypeata, 39, 158, 202
Speotyto cunicularia becki, 104, 127
 cunicularia hypogæa, 21, 41, 84, 104, 109, 138, 147, 163, 197, 203
Sphyrapicus ruber nootkensis, 130
 thyroideus, 110, 147, 164
 varius nuchalis, 21, 84, 110, 164
Spinus pinus, 23, 113, 149, 171, 234
Spizella breweri, 23, 113, 149
 monticola ochracea, 149, 172
 passerina, 235
 socialis arizonæ, 23, 42, 68, 113, 149, 172, 192

Squatarola squatarola, 126
 Starling, Wattled, 13
Steganopus tricolor, 159, 203
Stelgidopteryx serripennis, 150
Stellula calliope, 192
Sterna antillarum, 237
 caspia, 186, 196
 forsteri, 50, 196, 201
 hirundo, 50
 maxima, 82, 126
 Stewart, George W., the Condor in the San Joaquin Valley, 130
 Stilt, Black-necked, 159, 197, 203, 228
 Stork, European, 12
 White-bellied, 12
Strix pratincola, 127, 138
Sturnella magna hoopesi, 112
 magna neglecta, 42, 84, 138, 149
 neglecta, 22, 112, 127, 170, 198, 204
 Swallow, Bank, 139, 175
 Barn, 24, 43, 46, 150, 175, 205
 Cliff, 24, 139, 150, 175, 198
 Northern Violet-green, 43, 114
 Rough-winged, 150
 Tree, 139, 175, 198, 205, 222
 Violet-green, 24, 139, 150, 175, 195, 206
 Swarth, Harry S., some fall migration notes from Arizona, 107
 Swift, Black, 165, 192
 White-throated, 66, 84, 110, 127, 138, 165, 192
 Vaux, 221, 222
Symphemia semipalmata inornata, 79, 160
Synthliboramphus antiquus, 125
Syrnium occidentale, 109

T

Tachycineta bicolor, 139, 198, 222
 thalassina, 175
 thalassina lepida, 24, 43, 114, 139, 150
Tachyphonus, 227
 Tanager, Cooper, 78, 85, 114
 Hepatic, 114, 75
 Louisiana, 174, 191
 Scarlet, 174
 Western, 24, 85, 150, 181
Tanagra cana, 227
 Tattler, Wandering, 83, 126, 130
 Teal, Blue-winged, 157
 Cinnamon, 158, 192, 196, 202
 Common, 224
 Green-winged, 129, 157, 196, 201
 Tern, American Black, 196
 Black, 20, 157, 201, 209
 Caspian, 186, 196, 209
 Common, 50
 Least, 237
 Forster, 196, 201, 209
 Royal, 82, 126
Telmatodytes palustris paludicola, 205
 palustris plesius, 178
 Thayer, John E., and Outram Bangs, the present state of the ornithology of Guadalupe Island, 101

Thomas, Gerald B., the Mexican Black Hawk, 116
 Thrasher, Brown, 115
 California, 139, 198, 205, 222
 Leconte, 205, 237
 Palmer, 115
 Sage, 25, 151, 177
 Thrush, Alaska Hermit, 44, 121
 Audubon Hermit, 116, 151, 179
 Dwarf Hermit, 68, 86, 129, 151
 Grinnell Water, 150
 Hermit, 139
 Thrush, Monterey Hermit, 44, 121, 133, 134, 221
 Olive-backed, 179, 191, 193
 Rose-breasted, 226
 Russet-backed, 44, 46, 86, 129, 193, 221
 Varied, 44, 86, 91, 139
Thryomanes bewicki charienturus, 68
 bewicki drymœcus, 205
 bewicki eremophilus, 115
 bewicki leucogaster, 151, 178
 bewicki spilurus, 198
 brevicaudus, 105
 nesophilus, 128
 leucophrys, 86
Tinnunculus rupicolis, 13
 Titmouse, Bridled, 77, 116
 Gray, 25, 151, 178
 Plain, 139
Totanus flavipes, 159
 melanoleucus, 159
 Towhee, Abert, 237
 Arctic, 173
 California, 43, 139
 Canyon, 44, 114
 Green-tailed, 24, 43, 114, 150, 173
 Mountain, 114, 173, 206
 San Clemente, 68, 85, 128
 San Francisco, 222
 Spurred, 23, 138, 150, 198, 205
 Townsend, C. W., and Glover M. Allen, review of their "Birds of Labrador", 54
Toxostoma curvirostre palmeri, 115
 lecontei, 201, 205
 redivivum, 139, 198, 205
 redivivum redivivum, 222
 rufum, 115
Tringa minutilla, 126
Trochilus alexandri, 110, 148, 165
 anna, 105
 platycercus, 165
Troglodytes aedon aztecus, 25
 aedon parkmani, 50, 115, 139, 151, 178, 205
 Turkey, Merriam, 147
 Turnstone, Black, 83, 126, 130
 Ruddy, 50
Turtur capicola, 13
Tyrannus tyrannus, 21, 165
 verticalis, 21, 84, 110, 138, 148, 165, 198, 204
 vociferans, 127, 148, 166

U

- Uria troile californica*, 49
Urubitinga anthracina, 116, 181

V

- Van Fleet, Clark, C., the Western Tanager in San Francisco, 181
Vireo bellii pusillus, 198, 205
gilvus swainsoni, 150, 176, 193
huttoni, 181
huttoni mailliardorum, 128
huttoni oberholseri, 181
huttoni stephensi, 115, 230
mailliardorum, 181
olivaceus, 193
solitarius cassini, 193
solitarius plumbeus, 150, 176
Vireo, Cassin, 193
Least, 198, 205
Plumbeous, 150, 176, 206, 230, 231
Red-eyed, 191, 193
Santa Cruz Island, 128
Stephens, 115, 206, 230, 232
Western Warbling, 150, 176, 193, 230, 233
Vireosylva gilva swainsoni, 230
Vulture, African Black, 13
California, 197
Turkey, 138, 147, 161, 197, 203

W

- Warbler, review of Vol. III of the, 54
Warbler, Audubon, 24, 43, 68, 76, 86, 115, 133, 150, 176
Blackburnian, 92
Black-poll, 235
Black-throated Gray, 43, 76, 115, 133, 150, 176, 206
Black-throated Green, 193
Calaveras, 43
California Yellow, 198, 205
Dusky, 68, 86, 128
Golden Pileolated, 221
Lucy, 76, 150, 206
Lutescent, 46, 176
Orange-crowned, 128
Pileolated, 43, 76, 115, 151, 177
Sonora Yellow, 45
Tolmie, 76, 115, 150, 177
Townsend, 76, 94, 115, 128, 176, 193
Virginia, 176
Yellow, 24, 46, 150, 176
Warren, Edward R., Northwestern Colorado bird notes, 18
Water-ouzel, 222
Water-Thrush, Louisiana, 236
Waxwing, Bohemian, 175
Cedar, 24, 43, 150
Widmann, Otto, review of his "A Preliminary Catalog of the Birds of Missouri", 54
Willard, F. C., an Arizona nest Census, 44;
Huachuca Notes, 206; three Vireos: nesting notes from the Huachuca Mountains, 230
Willet, Western 160
Willet, G., Common Tern and Ruddy Turnstone in Southern California, 50; summer birds of the upper Salinas Valley and adjacent foothills, 137
Wilsonia pusilla pileolata, 43, 76, 115, 151, 177

- pusilla chryseola*, 221
Wren, Baird, 151, 178
Cactus, 45, 115
Canyon, 115, 178
Desert, 115
Dotted Canyon, 128
Interior Marsh, 178
Parkman, 115, 139, 151, 205
Rock, 25, 43, 94, 115, 128, 130, 151, 178
San Clemente, 86
San Diego, 68
San Joaquin, 205
San Nicolas Rock, 86
Santa Cruz Island, 128
Tule, 205
Vigors, 198
Western House, 25, 178
Western Winter, 43, 46, 121, 219, 220, 221
Wren-tit, Intermediate, 222
Northern, 43
Pallid, 139
Ruddy, 44
Wright, Howard W., a Vermilion Flycatcher in Los Angeles County, California, 91; a death struggle, 93
Woodpecker, Alpine Three-toed, 164
Ant-eating, 76
Arizona, 76, 110
Baird, 44
Batchelder, 147, 164
Cabanis, 109, 138
California, 41, 93, 138, 222
Gairdner, 41
Gila, 76, 110
Imperial, 91
Lewis, 21, 41, 93, 164, 195
Mearns, 110
Northern Pileated, 41
Nuttall, 138, 198
Red-headed, 21
Rocky Mountain Hairy, 164
Texas, 110
White-headed, 41
Willow, 138, 203, 222

X

- Xanthocephalus xanthocephalus*, 22, 94, 112, 148, 169, 198, 204
Xenopicus albolaryvatus, 41

Y

- Yellow-legs, Greater, 159
Lesser, 159
Yellow-throat, Pacific, 205
Western, 151

Z

- Zamelodia melanocephala*, 24, 114, 139, 150, 173
melanocephala capitalis, 220
Zenaidura carolinensis, 20, 66
macroura, 83, 108, 127, 137, 147, 161
macroura carolinensis, 197, 203
Zonotrichia albicollis, 50, 94
coronata, 42, 67, 85, 92, 128, 129
leucophrys, 23, 149, 172
leucophrys gambeli, 42, 67, 85, 113, 128, 149, 172, 235
leucophrys nuttalli, 130
querula, 84