

INDEX TO VOLUME XVI.

[New generic, specific and subspecific names are printed in heavy-faced type.]

- ACCIPITER merillus**, 182.
Ægialitis meloda, 133.
 meloda circumcincta, 133.
 vocifera, 198.
Æstrelata hasitata, 75.
Æx, 129.
Agelaius phœniceus, 197.
 tricolor, 172, 173.
Aimophila, 80, 119.
 acuminata, 81.
 carpalis, 81, 119.
 ruficeps, 81, 120.
 ruficeps boucardi, 120.
 ruficeps eremœca, 81, 120.
 ruficeps scottii, 81, 120.
 ruficeps sororia, 81, 120.
 rufescens sinaloa, 254.
 sumichrasti, 80.
 superciliosa, 81.
Aix, 129.
 sponsa, 321.
Alaska, Harriman Expedition to,
 302, 380.
Alauda arvensis, 191.
Albatross, Laysan, 99.
Alca pygmœa, 203.
Allen, J. A., 'truth versus error,'
 46-51; Chuck-wills-widow in
 Kansas, 187; republication of
 descriptions of new species and
 subspecies of North American
 birds, 338-350.
Allison, A., Sprague's Pipit near
 New Orleans, La., 82; the Spar-
 rows of Mississippi, 266-270.
Amazilia cerviniventris, 112.
 cerviniventris chalconota,
 112.
 fuscicaudata, 324.
 tzacatl, 324.
Amazilis tzacatl, 324.
Amazona albifrons saltuensis, 296.
 augusta, 186.
 imperialis, 186.
 inornata, 293.
American Ornithologists' Union,
 Sixteenth Congress of, 51-55;
 Report of the Committee on
 Protection of North American
 Birds, 55-74; Ninth Supplement
 to the Check-List of North
 American Birds, 97-133; Seven-
 teenth Congress of, 377.
Ammodramus caudacutus, 268, 286.
 caudacutus nelsoni, 117.
 caudacutus subvirgatus, 118.
 halophilus, 133.
 henslowii, 267, 356.
 leconteii, 268, 356.
 maritimus, 1, 4, 11, 12, 268.
 maritimus fisheri, 10, 11, 12,
 118.
 maritimus macgillivrayi, 5,
 10, 11, 12, 118.
 maritimus nigrescens, 2.
 maritimus peninsulæ, 5, 10,
 11, 12.
 maritimus sennetti, 3, 130.
 melanoleucus, 2.
 nelsoni, 118, 276, 277, 356.
 nelsoni subvirgatus, 118.
 nigrescens, 2, 277.
 princeps, 190.
 sandwichensis alaudinus, 267.
 sandwichensis savanna, 130,
 198, 267, 312.
 savannarum passerinus, 275.
 sennetti, 3, 130.
Ampelis cedrorum, 253.
 garrulus, 187.
Amphispiza belli clementæ, 132.
 belli nevadensis, 132.
 bilineata deserticola, 119.
 nevadensis, 132.
Anas americana, 103.
 carolinensis, 103, 309.
 crecca, 103.
 cyanoptera, 104.
 discors, 104.
 marila, 104.

- Anas obscura*, 251, 309.
 penelope, 103, 270.
 strepera, 103.
Anhinga, 248.
Anhinga anhinga, 248.
Anorthura, 90, 125.
 alascensis, 125.
 hiemalis, 125.
 hiemalis pacifica, 125, 185.
Anser albifrons gambeli, 309.
 rossii, 104.
Anseranus melanoleucus, 320.
Anthocephala berlepschi, 138.
 floriceps, 137, 138.
 Anthony, A. W., hybrid Grouse, 180.
Anthus pensilvanicus, 313.
 spragueii, 82.
Antichromus, 187.
 anchitæ, 187.
 minutus, 187.
Antrostomus carolinensis, 187, 273.
 goldmani, 296.
 vociferus macromystax, 188.
Aphelocoma cærulescens, 84, 112.
 cyanea, 84, 112.
 gracilis, 28.
 grisea, 296.
 sieberi colimæ, 27.
 sieberi potosina, 27.
 woodhousei, 189.
Aquila chrysaëtos, 77, 311.
Arbelorhina, 31, 32.
 brevipes, 33.
 brevirostris, 34.
 cærulea, 34.
 cærulea microrhyncha, 34.
 cyanea, 33.
 cyanea eximia, 33.
 eximia, 33.
 longirostris, 34.
 lucida, 34.
 nitida, 35.
Archibuteo lagopus sancti-johannis, 284.
Ardea cærulea, 351.
 candidissima, 202.
 egretta, 91, 193.
 tricolor, 202.
 tricolor ruficollis, 202, 247.
 virescens, 351.
 virescens anthonyi, 105.
Arenaria interpres, 76, 187.
Arremonops superciliosa sinaloæ, 296.
Asio accipitrinus, 363.
 wilsonianus, 285, 363.
Astragalinus, 79, 115.
 lawrencei, 80, 116.
 pistacinus, 79.
 psaltria, 79, 116.
 psaltria arizonæ, 79, 116.
 psaltria columbianus, 79.
 psaltria mexicanus, 79, 116, 187.
 tristis, 79, 115.
 tristis pallidus, 79, 115.
 tristis salicamans, 79, 115.
 yarrelli, 79.
 Atkins, John W., *Columba corensis* at Key West, Florida, 272.
Atthis morcomi, 111.
 Audubon Society of the State of New York, annual meeting of, 216;
 Audubon Societies, work of, in 1898, 70.
 Auk, Great, 91.
 Razor-billed, 249.
Aulacorhamphus calorhynchus, 137.
 lautus, 91.
Auriparus flaviceps lamprocephalus, 126.
Aythya affinis, 162.
 americana, 309.
 collaris, 191.
 marila, 104, 163.
 marila nearctica, 104.
 vallisneria, 164, 285, 309.
 BALDPATE, 161, 162.
 Bangs, Outram, notices of his papers on Birds from Santa Marta, Colombia, 90; the Hummingbirds of the Santa Marta Region of Colombia, 135-139; notice of his papers on new North American birds, 291; notice of his paper 'On the Subspecies of *Manacus manacus*,' 292.
 Barlow, Chester, nesting of the Hermit Warbler in the Sierra Nevada Mountains, California, 156-161.
 Bartsch, P., *Xema sabinii* and *Chordeiles virginianus sennetti*—two additions to the Iowa Avifauna, 86; *Ammodramus nelsoni* in Iowa, 276.
 Beal, F. E. L., notice of his 'Economic Relations of Birds and their Food,' 294.
Basileuterus rufifrons caudatus, 296.

- Basilinna leucotis, 324.
 Bernicla glaucogaster, 105.
 Bird, Red-tailed Tropic, 102.
 Yellow-billed Tropic, 193,
 338.
 'Bird-Lore,' notices of, 94, 212.
 Bird-Restorers, American Society
 of, 215.
 Birtwell, Francis J., another ex-
 ample of curious nesting of the
 American Redstart, 184; an ex-
 ample of Aptosochromatism, as
 influenced by diet, in *Megascops*
asio, 313-318.
 Bittern, American, 309.
 Least, 310.
 Blacicus, 330.
 andinus, 336.
 andinus depressirostris, 337.
 bahamensis, 335.
 barbirostris, 330.
 blancoi, 335.
 brunneicapillus, 334.
 brachytarsus, 336.
 caribaens, 334.
 cinereus, 337.
 depressirostris, 337.
 flaviventris, 335.
 hispaniolensis, 335.
 latirostris, 334.
 martinicensis, 334.
 nigrescens, 337.
 pallidus, 335.
 pileatus, 337.
 punensis, 336.
 Blackbird, Crow, 144.
 Red-winged, 197.
 Swamp, 144.
 Yellow-headed, 312.
 Blackcap, Wilson's, 196.
 Blacops, 186.
 gymnophthalmus, 186.
 Blanchan, Neltje, notice of her
 'Birds that Hunt and are Hunted,'
 88.
 Bleda, 183.
 canicapilla, 184.
 eximia, 184.
 notata, 184.
 poliocephala, 184.
 syndactyla, 183.
 xavieri, 184.
 Bluebird, 196, 198.
 Bobolink, 312.
 Bob-white, 309.
 Spotted-bellied, 26.
 Bocageia, 186.
 Bocageia, 186.
 Bonasa umbellus togata, 251.
 Bond, Frank, capture of the Brown
 Pelican in Wyoming, 351.
 Botaurus exilis, 310.
 lentiginosus, 309.
 Brachyrhamphus brevirostris, 202.
 craveri, 202.
 hypoleucus, 202, 370.
 kittlitzii, 202.
 Braislin, Wm. C., notes on Long
 Island Birds, 190.
 Brant, White-bellied, 105.
 Branta bernicla glaucogastra, 105.
 canadensis, 251.
 canadensis hutchinsi, 193.
 canadensis minima, 187.
 Brewster, William, the spelling of
 names, 209; notice of his paper
 on a new Clapper Rail from
 Georgia and East Florida, 291.
 Breninger, G. F., White-tailed
 Hawk in Arizona, 352.
 British Museum Catalogue of Birds,
 Vol. XXVI, by R. Bowdler
 Sharpe and W. R. Ogilvie-Grant,
 notice of, 198.
 Brockway, Arthur William, the
 Little Blue Heron (*Ardea ceryle*)
 in Connecticut, 351.
 Brown, Herbert, the Scarlet Ibis
 (*Guara rubra*) in Arizona, 270;
 the California Vulture in Ari-
 zona, 272.
 Bryan, Wm. Alanson, *Melanerpes*
erythrocephalus wintering in
 Chicago, 272; *Pinicola enucle-*
ator canadensis and *Tryngites*
subruficollis in Illinois, 276.
 Bubo virginianus, 251.
 virginianus pacificus, 110.
 virginianus pallescens, 133,
 341.
 Bunting, Chapman's Golden, 37.
 Bush-tit, Lead-colored, 189.
 Butler, A. W., notice of ornitho-
 logical papers by, 91.
 Buteo albicaudatus sennetti, 352.
 swainsoni, 353.
 Butorides virescens, 202.
 CÆREBA, 31, 32.
 brevirostris, 34.
 carneipes, 33.
 Calcarius lapponicus, 80.
 lapponicus alascensis, 117.
 Calidris arenaria, 285, 292, 310.

- Callipepla gambeli*, 27.
gambeli fulvipectus, 26.
Calothorax squamata, 188.
lucifer, 324.
Campylorhynchus, 330.
Campylopterus phainopeplus, 138.
Canachites, 107.
canadensis, 107, 251.
canadensis labradorius, 291,
 340.
franklinii, 107.
Canvas-back, 161, 162, 164, 165,
 285, 309.
Cardinal, 198, 278.
Cardinalis cardinalis, 278.
cardinalis affinis, 296.
cardinalis sinaloensis, 296.
granadensis, 78.
phœnicurus, 78.
Carduelis lawrencei, 79, 116.
mexicanus, 79, 116.
yarrelli, 79.
Carpodacus clementis, 114.
mcgregori, 114.
mexicanus clementis, 114.
mexicanus frontalis, 185,
 186.
mexicanus obscurus, 186.
obscurus, 186.
purpureus, 252.
*Cary, Merritt, a phenomenal flight
 of Hawks*, 352.
Catbird, 198, 275.
Catharista atrata, 108.
urubu, 84, 109, 195.
Cathartes aura, 181, 195, 310.
Catharus olivaceus, 296.
Catherpes mexicanus, 124.
mexicanus albifrons, 124.
Centurus nyeanus, 273.
Cephus, 202.
Ceophlœus pileatus, 110, 311.
pileatus abieticola, 110.
Certhia albifrons, 124.
americana, 185.
bananivora, 32.
cærulea, 34.
cyanea, 32.
cyanogastra, 32.
familiaris americana, 126,
 185.
familiaris fusca, 126.
flavipes, 32.
fusca, 126, 185.
ochrochlora, 34.
surinamensis, 34.
Certhiola, 32.
Chamaea fasciata, 291.
fasciata henshawi, 291.
fasciata phæa, 291.
*Chapman, Frank M., the distribu-
 tion and relationships of* *Ammo-
 dramus maritimus* and its allies,
 1-12; further notes on *Dendro-
 ica kirtlandi*, 81; notice of his
 paper on new birds from Vene-
 zuela, 369; [the proper function
 of 'binomials' and 'trinomials'],
 376.
Charadrius dominicus, 180.
squatarola, 310.
Chat, Yellow-breasted, 195, 217,
 285.
Chaulelasmus, 103.
streperus, 103.
*Check-List of North American
 Birds, Ninth Supplement to, 97-
 133.*
Chelidon, 122.
erythrogaster, 357, 358.
Chen, 104.
rossii, 104.
*Cherrie, George K., notice of his
 field work in the Valley of the
 Orinoco*, 302.
Chickadee, 206, 253.
Hudsonian, 253.
Chicken, Mother Cary's, 249.
*Chlorospingus (Hemispingus) can-
 ipileus*, 370.
Chondestes grammacus, 268, 312.
ruficauda, 81.
Chordeiles virginianus sennetti, 86.
*Chrysomitris mexicana var. ari-
 zonæ*, 116.
Chrysotis levaillantii, 287.
Chuck-wills-widow, 187, 273.
Cistothorus marianæ, 361, 362.
palustris, 281.
palustris griseus, 250, 361,
 362.
palustris plesius, 125, 126.
stellaris, 281, 313.
Clangula clangula americana, 104,
 164.
hyemalis, 178.
*Clark, Hubert Lyman, the number
 of rectrices in Grouse*, 181; notice
 of his 'The Feather Tracts of
 North American Grouse and
 Quail', 205.
*Clark, Josiah H., nest of Long-
 billed Marsh Wren lined with a
 snake skin*, 281.

- Clarke C. K., the Green Heron breeding in Ontario, 351.
 Clivicola, 131, 281, 289.
 Coccythraustes vespertinus, 195.
 Coccyzinae, 110.
 Coccyzus abbotti, 369.
 Cœligena clemenciæ, 325.
 Cœreba, 31, 32.
 brevipes, 33.
 cærulea, 34.
 cærulea microrhyncha, 34.
 cyanea, 33.
 eximia, 33.
 longirostris, 34.
 nitida, 34.
 portoricensis, 361.
 Colaptes auratus, 111.
 auratus luteus, 111.
 Colinus virginianus, 310.
 virginianus maculatus, 26.
 Colorado Ornithological Association, organization of, 214.
 Columba corensis, 270.
 flavirostris, 287.
 Columbigallina passerina pallescens, 108.
 Colymbidæ, 286.
 Colymbus, 202.
 adamsii, 98.
 arctica, 98.
 holboelli, 193, 309.
 imber, 98.
 lumme, 98.
 pacificæ, 98.
 Contopus, 330.
 Contopus, 330, 331.
 albicollis, 332.
 ardesiacus, 332.
 borealis, 192, 330.
 brachyrhynchus, 332.
 depressirostris, 332.
 frazari, 335.
 lugubris, 332.
 mesoleucus, 331.
 ochraceus, 332.
 pertinax, 331.
 pertinax pallidiventris, 331.
 pileatus, 337.
 punensis, 336.
 richardsoni, 189.
 richardsoni peninsulæ, 333.
 schottii, 336.
 sordidulus, 333.
 veliei, 333.
 vicinus, 333.
 Cook, W. W., more new birds for Colorado, 187.
 Cooper Ornithological Club, 'Bulletin' of, 212.
 Coot, American, 310.
 Cordeaux, John, obituary of, 377.
 Cormorant, Florida, 248.
 Corvus americanus, 252.
 americanus floridanus, 84, 112.
 americanus pascuus, 84, 112.
 corax principalis, 252.
 corax sinuatus, 311.
 floridanus, 83, 84, 112.
 Cory, Charles B., notice of his Water Birds of Eastern North America, 366.
 Coues, Elliott, note on *Meleagris gallopavo fera*, 77; the finishing stroke to Bartram, 83; notice of his 'On Certain Generic and Subgeneric Names in the A. O. U. Check-List,' 297; very early record of the Cliff Swallow, 359.
 Cowbird, 196.
 Crane, Corn, 75.
 Creeper, Brown, 185.
 Crex crex, 76.
 Crossbill, American, 252, 312.
 White-winged, 195, 252.
 Crow, American, 252.
 Cuculinæ, 110.
 Curlew, Eskimo, 180.
 Hudsonian, 195.
 Long-billed, 190, 246.
 Mountain, 248.
 Cyanerpes, 32.
 cæruleus, 34.
 cæruleus longirostris, 34.
 cyaneus, 32.
 cyaneus brevipes, 33.
 cyaneus carneipes, 33.
 lucidus, 34.
 nitidus, 35.
 Cyanocitta cristata, 182, 251.
 diademata, 256.
 galeata, 256.
 stelleri azteca, 256.
 stelleri coronata, 256.
 stelleri diademata, 256.
 stelleri macrolopha, 189.
 Cyanocorax affinis zeledoni, 255.
 sclateri, 255.
 Cyanogarrulus diadematus, 256.
 Cyanolyca mitrata, 255.
 Cyanospiza, 121.
 amœna, 121.
 ciris, 122.
 cyanea, 121.

- Cyanospiza versicolor, 121.
 versicolor pulchra, 122.
 Cyanura macrolopha, 256.
 Cyclorrhynchus, 203.
 Cygnus, 129, 226, 227.
 Cymodroma, 102,
 Cypseloides niger borealis, 78, 111.
- DACELO gigas, 322.
 Dasycephala syndactyla, 183.
 Davis, Minot, Lapland Longspur
 (*Calcarius lapponicus*) in Massa-
 chusetts in winter, 80;
 Deane, Ruthven, Old Squaw (*Clan-
 gula hyemalis*) in Indiana, 178;
 habits of the Blue Jay (*Cyanocitta
 cristata*), 182; record of a fifth
 specimen of the European Wid-
 geon (*Anas penelope*) in Indiana,
 270; notes on the breeding of
 the Wilson's Snipe (*Gallinago
 delicata*) in Illinois and Indiana,
 270;
 Dearborn, Ned, notice of his 'Pre-
 liminary List of the Birds of
 Belknap and Merrimack Coun-
 ties, New Hampshire,' 204.
 Delaware Valley Ornithological
 Club, annual meeting of, 214.
 Dendragapus obscurus fuliginosus
 × Phasianus torquatus, 180.
 Dendroica æstiva, 156.
 auduboni, 156.
 cærulea, 185, 313.
 castanea, 275.
 coronata, 217.
 coronata hooveri, 212, 343.
 kirtlandi, 81, 359.
 nigrescens, 156.
 occidentalis, 156.
 palmarum, 195, 273, 275.
 petechia, 376.
 rara, 185.
 striata, 273, 275.
 tigrina, 313.
 vigorsii, 198.
 Diglossa nocticolor, 91.
 Diomedea immutabilis, 99.
 Dodo, 319.
 Dolichonyx oryzivorus, 312.
 Dove, Mourning, 198.
 Quail, 320.
 Dowitcher, 246.
 Downer, E. D., song of the White-
 crowned Sparrow (*Zonotrichia
 leucophrys*), 355.
 Dryobates pubescens medianus, 251.
 Dryobates scalaris bairdi, 188.
 villosus, 251.
 villosus hyloscopus, 188.
 villosus montana, 110.
 villosus monticola, 110.
 Drymophila, 353.
 bicolor, 354.
 boucardi, 354.
 caudata, 354.
 consobrinus, 354.
 ferruginea, 354.
 genei, 354.
 grisea, 354.
 intermedia, 354.
 malura, 354.
 quixensis, 354.
 rufatra, 354.
 squamata, 354.
 strigilata, 354.
 variegata, 354.
 virgata, 354.
 Duck, Black, 251, 509.
 Black-backed, 321.
 Canvas-back, 161, 162, 164,
 165, 285, 309.
 Golden-eye, 161, 162.
 Pintail, 161, 162.
 Red-head, 161, 162, 165, 309.
 Ring-necked, 161, 162, 191.
 Ruddy, 161, 162, 164, 309.
 Wood, 162, 321.
 Dugès, O., émigration accidentelle
 d'oiseaux, 287; Hirondelles de
 Guanajuato, Mexico, 357.
 Dwight, Jonathan, Jr., sequence of
 plumages, illustrated by the
 Myrtle Warbler (*Dendroica cor-
 onata*) and the Yellow-breasted
 Chat (*Icteria virens*), 217-220,
 pl. III.
- EAGLE, Bald, 188.
 Golden, 77, 311.
 Northern Bald, 109, 340.
 Ectopistes migratorius, 310.
 Egret, American, 193.
 Elania sororia, 91.
 Elanus glaucus, 130.
 leucurus, 130.
 Elliot, D. G., truth versus error,
 38-46; on some genera and spe-
 cies, 226-232; notice of his 'The
 Wild Fowl of the United States
 and British Possessions, 288; the
 spelling of names, 300.
 Emberiza amœna, 121.
 ciris, 122.

- Emberiza nivalis*, 116.
Empidonax acadicus, 311.
 andinus, 336.
 bahamensis, 335.
 brachytarsus, 336.
 flaviventris, 192, 195, 311.
 insulicola, 132.
Ereunetes occidentalis, 191.
 pusillus, 310.
Eriodora, 354.
Erismatura jamaicensis, 164,
 rubida, 309.
Eudocima, 202.
Eudomychura, 370.
 craveri, 370.
 hypoleucus, 370.
Eudocimus, 202.
Eugenes fulgens, 324.
 Evans, A. H., notice of his 'Birds,'
 203.
Exanthemops, 104, 229, 289.
 FALCO *æsalon*, 182.
 peregrinus anatum, 85.
 regulus, 182.
 sparverius, 85.
 sparverius deserticolus, 188.
 Farrington, notice of his paper on
 'A Fossil Egg from South Da-
 kota,' 370.
 Festa, E., see Salvadori, T.
 Finch, Black Seaside, 277.
 Grass, 197.
 McGregor's House, 114.
 Purple, 252.
 San Clemente House, 114.
 Flicker, Northern, 111.
 Flycatcher, Acadian, 311.
 Olive-sided, 192.
 Yellow-bellied, 192, 195, 311.
 Foote, F. Huberta, a provident
 Nuthatch, 283.
Formicivora, 354.
Formicivorus, 354.
 Foster, L. S., the Black Tern (*Hy-
 drochelidon nigra surinamensis*)
 in New York Harbor, 351.
 Fowler, Joshua L., obituary of, 377.
Fraterculinæ, 286.
Fregata, 102.
Fregetta, 102.
 grallaria, 102.
Fringilla fasciata, 183.
 frontalis, 186.
 gambelii, 36.
 guttata, 183.
 macgillivrayi, 118.
 melodia, 183.
Fringilla psaltria, 79, 116,
 tristis, 79, 115.
Fulica americana, 235, 310.
Fuligula, 286.
Fuligininæ, 286.
Fulmarinæ, 100.
Fulmarus glacialis, 132.
 glacialis columba, 132.
 glacialis minor, 132.
 glacialis rogersi, 132.
 griseus, 132.
 stricklandi, 132.
Furnarius agnatus, 137.
 GADWALL, 161, 162, 165.
 Gätke, H., new edition of his 'Die
 Vogelwarte Helgoland,' 379.
Galeoscoptes carolinensis, 198, 275.
Gallinago delicata, 270.
 major, 105, 179.
 media, 179.
Gallinula galeata, 85.
Gallinule, Florida, 85.
 Purple, 75.
 Garefowl, 91.
Garrulus carulescens, 81.
 cyanea, 84.
Gavia, 98, 202.
 adamsi, 98.
 alba, 99.
 arctica, 98, 202.
 imber, 98, 204, 251.
 lumme, 98.
 pacifica, 98, 202.
Gaviidæ, 97.
Geococcyx californianus, 188.
Geothlypis agilis, 313.
 flaviceps, 31.
 flavovellatus, 31.
 macgillivrayi, 122, 156,
 philadelphia, 85, 313.
 tolmiei, 82, 122.
 trichas, 257, 313, 360.
 trichas arizela, 257.
 trichas occidentalis, 257.
 Gill, Theodore, the generic names
 Pediocates and *Poocates*, 20-23;
 notice of his proposed New His-
 tory of North American Birds,
 213; notice of his paper on 'The
 Longevity of Birds and other
 Vertebrates,' 371.
 Golden-eye, American, 161, 162,
 164, 165.
 Goldfinch, Allen's, 37.
 American, 115.
 European, 196.

- Goldfinch Mexican, 187.
 Pale, 115.
 Willow, 115.
 Goose, American White-fronted,
 309.
 Canada, 251.
 Hutchins's, 193.
 Pied, 320.
 Grackle, Boat-tailed, 196.
 Bronzed, 196, 252.
 Rusty, 196.
 Grallaria spatiator, 91.
 Grant, W. R. Ogilvie, see Ogilvie-Grant.
 Grebe, Holbøll's, 165, 193, 309.
 Pied-billed, 309.
 Greive, Symington, notice of his paper on the Great Auk, 92.
 Grinnell, Joseph, his ornithological work in Alaska, 380.
 Grosbeak, Alaskan Pine, 114.
 California Pine, 113.
 Evening, 195.
 Kadiak Pine, 114.
 Pine, 113, 252, 276, 312.
 Rocky Mountain Pine, 113.
 Rose-breasted, 305.
 Grouse, Canada, 251.
 Canadian Ruffed, 251.
 Hybrid, 180.
 Labrador Spruce, 340.
 number of rectrices in, 181.
 Grus americanus, 130.
 Guara, 202.
 alba, 247, 292.
 rubra, 270.
 Guitus, 32.
 Gulf Fauna and Flora Bulletin, The, notice of, 378.
 Gull, American Herring, 251, 309.
 Bonaparte's, 284, 309.
 Cuneate-tailed, 147.
 Great Black-backed, 284.
 Iceland, 190.
 Laughing, 260, 262, 263.
 Ring-billed, 284, 309.
 Ross's Rosy, 146.
 Sabine's, 86.
 Gurney, J. H., notice of his paper 'On the Comparative Ages to which Birds live,' 370.
 Gyrfalcon, Black, 182.
 HÆMOPHILA humeralis, 81.
 lawrenceii, 81.
 Halcyon coromandus, 322.
 Haliæetus leucocephalus, 109, 188.
 leucocephalus alascanus, 109, 340.
 leucocephalus washingtoni, 131, 341.
 Haliplana, 99.
 Hammer, Yellow, 144.
 Harelda, 44, 129.
 hyemalis, 251, 284.
 Harporhynchus crissalis, 189.
 curvirostris, 189.
 lecontei arenicola, 124.
 redivivus pasadenensis, 123.
 Harvie-Brown, J. A., notice of his 'Colour Code,' etc., 293.
 Havelda, 44, 129.
 Hawk, Desert Sparrow, 188.
 Duck, 85.
 Red-tailed, 165.
 Rough-legged, 284, 353.
 Sparrow, 85, 144.
 Swainson's, 353.
 White-tailed, 352.
 Hazard, R. G., the Carolina Wren (*Thryothorus ludovicianus*) at Peace Dale, R. I., 83.
 Heleodytes stridulus, 296.
 Helminthophila chrysoptera, 312.
 pinus, 312.
 rubricapilla gutturalis, 156.
 Helmitherus vermivorus, 312.
 Helodromas, 105.
 ochropus, 106.
 solitarius, 105.
 solitarius cinnamomeus, 105.
 Hemiprocne zonaris, 77.
 Hemiura leucogastra, 344.
 Henninger, W. F., the Purple Gallinule (*Lonoris martinica*) in Ohio, 73; two rare birds for Southern Ohio, 284.
 Heron, Black-crowned Night, 193, 246.
 Green, 351.
 Little Blue, 351.
 Louisiana, 246.
 Hirundo, 122.
 erythrogaster, 122, 184, 189.
 lunifrons, 359.
 Hoffmann, Ralf, late migrants and stragglers in eastern Massachusetts, 196; see also, Stickney, J. H.
 Holstein, Otto, a musical Woodpecker, 353; Leconte's Sparrow (*Ammodramus leconteii*) in Kentucky, 356.
 Honey-creepers, Blue, 31.

- Hoopes, the Josiah, Collection of North American Birds, 214.
- Horizopus**, 331.
 ardosiacus, 332.
 brachyrhynchus, 332.
 lugubris, 332.
 ochraceus, 332.
 pertinax, 331.
 pertinax pallidiventris, 331.
 richardsoni, 333.
 richardsoni peninsulae, 333.
 vicinus, 333.
 virens, 332.
- Howe, Reginald Heber, Jr., sexual difference in size of the Pectoral Sandpiper (*Tringa maculata*), 179; notes from Rhode Island, 189; 'revival of the sexual passion in birds in autumn,' 286; notice of his 'On the Birds' Highway,' 293; the Hooded Warbler at Montville, Conn., 360.
- Howell, Arthur H., notes on two rare birds from Long Island, N. Y., 85;
- Hummingbird, Morcom's, 111.
- Hungarian and Austrian Ornithological Congress, 380.
- Huntington, Dwight W., notice of his 'In Brush, Sedge, and Stubble,' 89, 372.
- Hydrochelidon nigra surinamensis*, 35'.
- Hylcichla**, 126.
 aliciae, 127.
 aliciae bicknelli, 127.
 aonalaschkæ, 128.
 aonalaschkæ auduboni, 128.
 aonalaschkæ pallasi, 128.
 fuscescens, 127.
 fuscescens salicicola, 127.
 mustelinus, 126.
 ustulata, 23, 127.
 ustulata almæ, 131.
 ustulata œdica, 23, 127.
 ustulata swainsoni, 127.
- IBIS**, Glossy, 193.
 Scarlet, 270.
 White, 247.
- Icteria virens**, 195, 217, 219, 285.
- Icterus galbula**, 354.
 parisorum, 189.
 spurius, 195.
- Ihering, H. von, notice of his 'As Aves do Estado de S. Paulo,' 203.
- Indiana Academy of Science, notice of 'Proceedings' of, 91;
- Ionornis martinica*, 75.
- JÆGER**, Parasitic, 249.
- Jay**, Aztec, 256.
 Blue, 182, 251.
 Canada, 12, 251.
 Colima, 27.
 Gray, 255.
 San Luis Potosi, 27.
 Talamanca, 255.
- Job, Herbert K., some observations on the Anatidæ of North Dakota, 161-165.
- Judd, Sylvester D., notice of his 'Birds as Weed Destroyers,' 294.
- Junco hyemalis**, 197, 253, 269, 312.
 hyemalis shufeldti, 189.
 montanus, 119, 188.
- Junco**, Montana, 119, 188.
 Shufeldt's, 189.
 Slate-colored, 252, 312.
- KELLOGG**, Vernon L., some parasites of birds, 232-236; notice of papers by, on the Mallophaga, 372.
- King, Snow, 160.
- Kingbird, Cassin's, 189.
- Kittiwake, 193.
- Kingfisher, Belted, 322.
 Laughing, 322.
 Ruddy, 322.
- Kinglet, Golden-crowned, 253.
- Kirkwood, F. C., the Stilt Sandpiper in Maryland, 76;
- Knight, Ora W., the Short-billed Marsh Wren (*Cistothorus stellaris*) in Maine, 281.
- Knobel, Edward, notice of his 'Field Key to the Land Birds,' 367.
- Knot, 194.
- Koch, August, capture of the Black Seaside Finch (*Ammodramus nigrescens*) in 1889, 277.
- LAGOPUS rupestris welchi**, 130.
 welchi, 130.
- Lanius ludovicianus**, 312.
 ludovicianus anthonyi, 122.
 ludovicianus excubitorides, 189, 190.
 ludovicianus migrans, 133, 190.

- Lano, Albert, the Turnstone (*Arenaria interpres*) in Minnesota, 76.
- Lantz, D. E., new and rare birds in Kansas, 187; notice of his 'Review of Kansas Ornithology,' 363; notice of his list of the Goss Collection of Mexican and Central American Birds, 364.
- Lark, Prairie Horned, 85, 311.
- Larus albus, 98, 99.
 argentatus smithsonianus, 251, 309.
 atricilla, 260.
 delawarensis, 284, 309.
 eberneus, 98.
 leucopterus, 190.
 marinus, 284.
 philadelphia, 284, 309.
 roseus, 149.
 rossii, 149.
 sabinii, 149.
- Leucophoyx, 202.
- Leucuria phalerata, 91, 138.
- Libby, O. G., the nocturnal flight of migrating birds, 140-146.
- Limnogeranus, 130.
- Limosa hudsonica, 292.
- Lindahl, Josua, the Black-capped Petrel (*Aestrelata hastata*) on the Ohio River at Cincinnati, 75.
- Longspur, Alaskan, 117.
 Lapland, 80.
- Loon, 251.
- Lophodytes cucullatus, 162.
- Lophortyx, 106.
 californicus, 106.
 californicus vallicola, 106.
 gambelii, 106.
- Loxia curvirostra minor, 252, 312.
 leucoptera, 195, 252.
- Lucas, F. A., notes on the myology of *Hemiprocne zonaris*, 77.
- MACKAY, George H., White-winged Scoters (*Oidemia deglandi*), 179; the 1898 migration of the Golden Plover (*Charadrius dominicus*) and Eskimo Curlew (*Numenius borealis*) in Massachusetts, 180; the Turkey Vulture (*Carthartes aura*) in Somerville, Mass., 181; Barn Swallows (*Hirundo erythrogastra*), 184; the Terns of Muskeget and Penikese Islands, Mass., 259-266.
- Magpie, Black-billed, 78.
 Nuttall's, 79.
- Maine Ornithological Society, the 'Journal' of, 213.
- Mallard, 161, 162, 165.
- Manacus manacus, 292.
 manacus abditivus, 292.
 manacus gutturosus, 292.
 manacus purus, 292.
- Marcy, Oliver, obituary of, 211.
- Mareca, 103.
 americana, 103.
 penelope, 103.
- Marsh, Othniel Charles, obituary of, 211.
- Martin, Purple, 165, 286.
- Maynard, Mrs. L. W., notice of her 'Birds of Washington and Vicinity,' 87;
- McGregor, R. C., *Pica pica hudsonica* in California, 79;
- McKinlay, James, the Corn Crake in Nova Scotia, 75;
- McLain, R. B., Philadelphia Vireo in West Virginia, 359.
- Meadowlark, 144, 198.
 Rio Grande, 342.
- Mecocerculus nigriceps, 370.
 urichi, 370.
- Megascops asio, 313.
 asio mcCalli, 109.
 asio trichopsis, 109.
 aspersus, 110.
 trichopsis, 109.
- Melanerpes carolinus, 241, 311.
 erythrocephalus, 189, 270, 353.
- Meleagris fera, 108, 231, 232.
 fera osceola, 232.
 gallopavo, 107, 231, 232.
 gallopavo ellioti, 108, 231, 310.
 gallopavo fera, 77, 108.
 gallopavo intermedia, 108, 231.
 gallopavo osceola, 108.
 intermedia, 232.
 sylvestris, 231.
- Melospiza adusta, 28.
 fasciata, 182, 183, 198, 221, 253, 269.
 fasciata caurina, 36.
 fasciata cooperi, 35.
 fasciata guttata, 183.
 fasciata ingersolli, 212, 342.
 fasciata pusillula, 35.
 georgiana, 198, 270, 312.

- Melospzia goldmani*, 29.
melodia, 183.
melodia adusta, 183.
melodia caurina, 183.
melodia clementæ, 183.
melodia cooperi, 183.
melodia fallax, 183.
melodia goldmani, 183.
melodia graminea, 183.
melodia heermanni, 183.
melodia melodia, 183.
melodia mexicana, 183.
melodia montana, 183.
melodia morphna, 183.
melodia pusillula, 183.
melodia rivularis, 183.
melodia rufina, 183.
melodia samuelis, 183.
Merganser americanus, 103.
Merganser, Hooded, 162.
Merlin, 182.
Merrill, Harry, Black Gyrfalcon (*Falco rusticolus obsoletus*) in Maine, 182.
Merula gigas cacozela, 91.
migratoria, 284.
phæopyga minuscula, 91.
Metallura smaragdinicollis, 139.
tyrianthina, 139.
Micropalama himantopus, 246.
Micruria, 202, 370.
Miller, Mary Mann, birds feeding on hairy caterpillar, 362.
Miller, Olive Thorne, notice of her 'The First Book of Birds,' 368.
Momotus subrufescens, 137.
Montgomery, Thomas H., notice of his paper on the feeding habits of Owls, 363.
Morrell, C. H., some winter birds of Nova Scotia, 250-253.
Morris, Robert O., Springfield, Mass., bird notes, 85.
Motacilla cærulea, 185.
mitrata, 123.
Murdoch, John, a historical notice of Ross's Rosy Gull (*Rhodostetha rosea*), 146-155.
Murre, Brünnich's, 193.
Muscicapa cooperi, 331.
inornata, 331.
pusilla, 123.
querula, 332.
rapax, 332.
virens, 331, 332.
Muscipeta caribæa, 334.
Muscivora mexicana, 137.
Myadestes obscurus cinereus, 296.
Myiarchus crinitus boreus, 131.
Myiobius latirostris, 334.
pallidus, 335.
Myiochanes, 330, 334.
nigrescens, 337.
NASH, Charles W., notice of his 'The Birds of Ontario in Relation to Agriculture,' 204; Nelson's Sparrow (*Ammodramus nelsoni*) at Toronto, Canada, 277.
'Naumann, Naturgeschichte der Vögel Mitteleuropas,' new edition of, 379.
Nebraska Ornithological Club, organization of, 303.
Nelson, E. W., descriptions of new birds from Mexico, 25-31; notice of his 'Natural History of the Tres Marias Islands, Mexico,' 296; notice of his 'Descriptions of New Birds from Northwestern Mexico,' 296.
Nephocætes, 21.
Nephæcetes, 21.
Neocrex colombianus, 91.
Neomorphinæ, 110.
Nettion, 103.
carolinensis, 103, 163.
creca, 103.
New York Zoölogical Park, notice of, 96.
Nighthawk, Sennett's, 86.
Nowell, J. Rowland, song season of the Cardinal (*Cardinalis cardinalis*), 278.
Numenius borealis, 180.
hudsonicus, 195-292.
longirostris, 190.
Nuthatch, Red-breasted, 253.
White-breasted, 283.
Nuttallornis, 330, 331.
borealis, 331.
Nyctala acadica, 311.
tengmalmi richardsoni, 311.
Nyctea nyctea, 311.
Nycticorax nycticorax nævius, 193, 246.
Nye, Willard, Jr., a Bahaman Bird (*Centurus nyeanus*) apparently extinct, 273.
OBERHOLSER, Harry C., description of a new *Hylocichla*, 23-25; a synopsis of the Blue Honeycreepers of tropical America, 31-35; the authority for the com-

- bination *Cypseloides niger borealis*, 78; notice of his 'A Review of the Wrens of the genus *Thryomanes* Sclater,' 89; *Gallinago major* versus *Gallinago media*, 179; the specific name of *Falco regulus*, 182; the names of the Song Sparrows, 182; *Certhia familiaris americanus*, not *Certhia f. fusca!* 185; the second reference for *Anorthura hiemalis pacifica*, 185; *Piranga rubra* and *Carpodacus mexicana frontalis* preoccupied, 185; description of a new *Geothlypis*, 256-258; *Piranga rubra* not preoccupied, 278; *Clivicola* versus *Riparia*, 281; family and subfamily names based on subgenera, 285; a synopsis of the genus *Contopus* and its allies, 330-337; notice of his paper 'Some Untenable Names in Ornithology,' 370.
- Oceanites oceanicus*, 249.
Oceanitinae, 100.
Oceanodroma cryptoleucura, 101, 129, 177.
 kaedingi, 101.
Ochthoeca citrinifrons, 78.
 frontalis, 78.
 Ogilvie-Grant, W. R., see British Museum Catalogue of Birds.
Oidemia carbo, 131.
 deglandi, 163, 179.
Old-squaw, 178, 251, 284.
Olor, 129, 226, 227, 289.
 sp., 309.
Onocrotalus americanus, 178.
Onychoprion, 99.
Oreospiza chlorura, 121.
Oriole, Baltimore, 354.
 Orchard, 195.
 Scott's, 189.
 Osgood, Wilfred H., notice of his paper '*Chamæa fasciata* and its Subspecies,' 291.
Osprey, American, 311.
Osprey, The, notices of, 95, 213-379.
Otocoris alpestris.
 alpestris praticola, 85, 311.
 Owen, D. E., a family of nestlings, 221-225.
Owl, American Barn, 77, 85, 311, 364.
 American Hawk, 195.
 American Long-eared, 285, 363.
Owl, Great Horned, 251.
 Northern Spotted, 109.
 Richardson's, 311.
 Saw-whet, 311.
 Screech, 314, 364.
 Short-eared, 363.
 Snowy, 311.
 Texas Barred, 341.
 Western Horned, 341.
Oxygogon cyanolæmus, 138.
- PACHYRHAMPUS major uropygia-**
 lis, 28.
Pachyrhampus, Sinaloa, 28.
Pagophila, 98.
 alba, 99.
Palamedea cornuta, 320.
Pallasicarbo, 297.
 Palmer, T. S., notice of his 'The Danger of Introducing Noxious Animals and Birds,' 294.
- Pan**, 77.
 frantzii, 77.
 rhamphastinus, 77.
Pandion haliaëtus carolinensis, 311.
Panychlora russata, 138.
Panyptila melanoleuca, 359.
Paris International Ornithological Congress, 381.
Partridge, Buff-breasted, 26.
 Scaled, 188.
Parus atricapillus, 253.
 bicolor, 196.
 hudsonicus, 253.
 inornatus griseus, 189.
 meridionalis, 126.
 palustris, 93.
 sclateri, 126.
Parus (Lophophanes) bicolor floridanus, 131.
Passer domesticus, 253.
Passerella iliaca, 197, 253.
 iliaca fuliginosa, 36.
Passerina, 116, 121.
 hyperborea, 117.
 nivalis, 116, 253.
 nivalis townsendi, 117.
 versicolor pulchra, 122.
 Pearson, J. Gilbert, notes on some of the birds of eastern North Carolina, 246-250;
Pediocætes, 20, 21, 22, 23, 107.
Pediocætes, 20, 21, 22, 23, 107.
 phasianellus, 23.
 phasianellus campestris, 23.
 phasianellus columbianus, 23.

- Pelecanus fuscus*, 178, 351.
 occidentalis, 178.
 onocrotalus, 178.
 onocrotalus β *occidentalis*,
 178.
 onocrotalus α *orientalis*, 178.
 subfuscus, *gula distensis*,
 178.
Pelican, Brown, 351.
Penguins, 362.
Perisoreus canadensis, 12, 251.
 obscurus griseus, 255.
Perrier, A. W., food of the Robin,
 284.
Petrel, Black-capped, 75.
 Hawaiian, 101.
 Kaeding's, 101.
 Wilson's, 249.
Petrochelidon lunifrons, 357, 358.
Peucea, 80, 119.
 æstivalis, 80.
 æstivalis bachmanii, 26.
 botteri, 80.
 carpalis, 80, 120.
 cassini, 80.
 ruficeps eremœca, 120.
 ruficeps scotti, 120.
Pewee, Western Wood, 189.
Phaëton americanus, 102, 338.
 flavirostris, 102, 193.
 rubricaudus, 102.
Phalacrocorax auritus, 202.
 bicristatus, 202.
 brasilianus, 202.
 cincinatus, 202.
 dilophus, 202.
 dilophus floridanus, 248.
 floridanus, 202.
 mexicanus, 202.
 perspicillatus, 297.
 vigua, 202.
Phalarope, Northern, 285.
Phalaropus lobatus, 285.
Phalerinæ, 286.
Phaleris, 203.
Pharomachus mocinno, 323.
Philentoma, 353.
Philohela minor, 197.
Pica nuttalli, 79.
 ornata, 255.
 pica hudsonicus, 79.
Picoides americanus, 251.
Picus montanus, 110.
 nuttalli, 172.
Pigeon, Crowned, 319.
 Fruit, 319.
 Ground, 319.
Pigeon, Passenger, 310, 320.
 Swainson's Fruit, 319.
 Tooth-billed, 319.
 Tree, 319.
Pinicola enucleator, 113, 252, 312.
 enucleator alascensis, 114.
 enucleator californica, 113.
 enucleator canadensis, 113,
 276.
 enucleator flammula, 114.
 enucleator montana, 113.
 flammula, 114.
Pintail, 161, 162, 165.
Pionus sordidus, 137.
Pipilo clemente, 120.
 fuscus carolæ, 212, 343.
 fuscus intermedius, 296.
 fuscus potosinus, 254.
 maculatus atratus, 254.
 maculatus clemente, 120.
 rufescens, 81, 119.
Pipit, American, 313.
 Sprague's, 82.
Piranga æstiva, 186.
 erythromelas, 186, 281.
 rubra, 186, 278, 312.
Platyrhynchus cinereus, 337.
Plectrophenax, 116, 121.
 hyperborea, 117.
 nivalis townsendi, 117.
Plectropterinae, 129.
Plegadis autumnalis, 193.
Plotus, 202.
Plover, Black-bellied, 65, 246, 306,
 310.
 Golden, 180.
 Semipalmated, 246.
Podilymbus podiceps, 309.
Poocætes, 20, 21, 22, 23, 117.
 gramineus, 198.
 gramineus affinis, 23.
 gramineus confinis, 23.
Poocætes, 20, 21, 22, 23, 117.
 gramineus, 23, 267.
 gramineus affinis, 23.
 gramineus confinis, 23.
Porzana noveboracensis, 194.
Posson, Niel F., some birds of
 unusual occurrence in Orleans
 Co., N. Y., 193.
Pratt, George B., Puerto Rico
 Honey Creeper, 361.
Priocella, 100.
 glacialoides, 100.
Prifinus, 101.
 cinereus, 101.
Procellaria castro, 129.

- Procellaria cinerea*, 101.
fuliginosus, 101.
glacialoides, 100.
grallaria, 102.
 Procellariidæ, 99.
 Procellariinæ, 99, 100.
Progne subis, 357, 358.
Protonotaria citrea, 236, 312.
Psaltriparus plumbeus, 189.
Psiloscops, 297.
Psittacus augustus, 186.
Psophia obscura, 93.
Ptilopus swainsoni, 319.
 Publications received, 92, 207, 297, 373.
Puffininae, 100.
Puffinus assimilis, 100.
auricularis, 101.
borealis, 129.
fuliginosus, 101.
kuhlii, 129.
opisthomelas, 235.
stricklandi, 101.
 Purdy, James B., the Golden Eagle and Barn Owl at Northville, Wayne Co., Mich., 77.
 Pycraft, W. P., notice of his Osteology of the Impennes, 363.
Pyrrhulagra noctis, 376.
 QUERQUEDULA, 103.
cyanoptera, 104.
discors, 104, 292.
Quiscalus major, 197.
quiscula æneus, 252.
 RAIL, King, 194.
 Wayne's Clapper, 339.
 Yellow, 194.
Rallus crepitans waynei, 291, 339.
elegans, 194.
levipes, 291, 339.
Raven, American, 311.
 Northern, 257.
Recurvirostra americana, 235.
avocetta, 235.
Redshank, Common, 128.
Redstart, American, 184.
Regulus calendula grinnelli, 132.
satrapa, 253.
 Rey, Eugène, notice of his 'Die Eier der Vögel Mitteleuropas,' 379.
Rhamphocælus festæ 292.
Rhamphomicron dorsale, 138.
 Rhoads, S. N., notes on some of the rarer birds of western Pennsylvania, 308-313.
Rhodostethia rosea, 146.
Rhyncocyclus cerviniventris, 335.
 Richmond, Chas. W., new name for the genus *Tetraganops*, 77; *Thalassidroma castro* of Harcourt, 177; *Pelecanus occidentalis* vs. *P. fuscus*, 178; on the name *Xenocichla*, 183; four pre-occupied names, 186; overlooked descriptions of five Hummingbirds, 323-325; on the date of Lacépède's 'Tableaux,' 325-329; note on the name *Drymophila*, 353.
 Ridgway, Robert, new species, etc., of American Birds.—III, Fringillidæ (continued), 35-37; on the genus *Astragalinus* Cabanis, 79; on the generic name *Aimophila* versus *Peucaea*, 80; new species, etc., of American birds.—IV, Fringillidæ (concluded); Corvidæ (part), 254-256.
Riparia, 131, 281.
Roadrunner, 188.
Rissa tridactyla, 193.
 Robbins, Reginald C., new song of the Baltimore Oriole, 354.
 Roberts, Thomas S., the Prothonotary or Golden Swamp Warbler (*Protonotaria citrea*), a common summer resident of southeastern Minnesota, 236-246.
Robin, American, 253, 284.
 Robinson, Wirt, *Ammodramus henslowii*—a correction, 356.
 Rolfe, Eugene S., nesting of Nelson's Sparrow (*Ammodramus nelsoni*) in North Dakota, 356.
 SAGE, John H., Sixteenth Congress of the American Ornithologists' Union, 51-55.
Salpinctes obsoletus pulverius, 133.
 Salvadori, T., and E. Festa, notice of their paper on the birds of Darien, 292.
Sanderling, 246, 285, 310.
Sandpiper, Baird's, 191, 194.
 Buff-breasted, 194, 276.
 Green, 106.
 Least, 246, 310.
 Pectoral, 179.
 Red-backed, 246.
 Semipalmated, 246, 310.

- Sandpiper, Solitary, 310.
Spotted, 246.
Stilt, 76, 246.
Western Semipalmated, 191.
White-rumped, 194, 246, 285.
- Sarcidiornis melanonota, 321.
- Saunders, W. E., Henslow's Sparrow in Ontario, 80;
Sayornis dominicensis, 335.
- Scaup, Greater, 162, 163.
Lesser, 161, 165.
- Schalow, Herman, notice of his 'Die Vögel der Sammlung Plate,' 292.
- Scolopax major, 105.
media, 179.
totanus, 128.
- Scops flammeola, 297.
trichopsis, 109.
- Scoter, White-winged, 161, 162, 163, 179.
- Screamer, Horned, 320.
- Seiurus noveboracensis notabilis, 241.
motacilla, 241.
- Setophaga albifrons, 137.
flavivertex, 137.
ruticilla, 184.
canadensis, 253.
verticalis pallidiventris, 375.
- Sharpe, R. Bowdler, see British Museum Catalogue of Birds.
- Shattuck, Geo. C., an unusual set of Song Sparrow's eggs, 182.
- Shearwater, Allied, 100.
Townsend's, 101.
- Shoveller, 161, 162, 165.
- Shrike, Loggerhead, 312.
Island, 122.
White-rumped, 189, 190.
- Sialia sialis grata, 131.
- Sicalis chapmani, 37.
- Siskin, Pine, 252, 312.
- Sitta pusilla caniceps, 131.
- Skylark, English, 191.
- Snipe, Greater, 105.
Wilson's 246, 270.
- Snowbird, 197.
- Snowflake, 253.
- Solitaire, 319.
- Somateria borealis, 104.
mollissima, 133.
mollissima borealis, 104, 133.
- Sparrow, Bachman's, 269.
Black Seaside, 2, 277.
Chipping, 189, 196, 198, 206, 269.
- Sparrow, Desert, 119.
English, 253.
Field, 196, 269, 275.
Fox, 196, 253, 266.
Goldman's Song, 29.
Grasshopper, 267.
Henslow's, 80, 267, 356.
Intermediate, 189.
Ipswich, 190.
Leconte's, 268, 356.
Laguna, 120.
Lark, 268, 312.
Louisiana Seaside, 118.
Macgillivray's Seaside 118.
Mexican Chipping, 30.
Michoacan Song, 28.
Nelson's, 277, 356.
Salt Marsh Song, 35.
San Diego Song, 35.
Savanna, 192, 198, 264, 312.
Seaside, 268.
Sennett's Seaside, 3.
Sharp-tailed, 268, 286.
Sinaloa, 254.
Song, 182, 198, 221, 253, 269.
Sooty Fox, 36.
Swamp, 198, 268, 270, 312.
Tehama Song, 342.
Tree, 253.
Vesper, 267.
Western Savanna, 267.
White-crowned, 196, 267, 355.
White-throated, 268.
Yakutat Song, 36.
- Speotyto cunicularia obscura, 131.
cunicularia tolimæ, 359.
- Spinus alleni, 37.
pinus, 252, 312.
spinescens capitaneus, 91.
tristis, 115.
tristis pallidus, 115.
tristis salicamans, 115.
- Spiza versicolor, 121.
- Spizella pinetorum, 30.
pusilla, 269, 275.
socialis, 189, 198, 269.
socialis mexicanus, 30.
- Sporopipes frontalis, 186.
- Squatarola squatarola, 306.
- Squaw, Old, 178, 251, 284.
- Starling, European, 85, 192.
- Starnænas cyanocephala, 320.
- Stejneger, Leonard, notice of his 'The Birds of the Kurile Islands,' 205.
- Stercorarius parasiticus, 249.
- Sterna anæsthera, 128.

- Sterna anæthetus*, 128.
antillarum, 259.
caspia, 99, 190, 193.
dougalli, 260, 262.
fuliginosa, 99.
hirundo, 261, 262, 309.
paradisæa, 264.
serrata, 97.
sp., 309.
tschegrava, 99.
- Stickney, J. H., and Ralph Hoffmann, notice of their 'Bird World, a Book for Children,' 92.
- Stone, Clarence Freedom, some rare occurrences in Yates County, N. Y., 284.
- Stone, Witmer, Report of A. O. U. Committee on Protection of North American birds, 55-74; *Octhaeca frontalis* (Lafr.) and *Cardinalis granadensis* Lafr., 78; proper name for Macgillivray's Warbler, 81; some Philadelphia ornithological collections and collectors, 1784-1850, 166-177; notice of his paper on the type specimens of birds in the collection of the Academy of Natural Sciences of Philadelphia, 290; winter plumages:—illustrated by the Rose-breasted Grosbeak (*Zamelodia ludoviciana*), 305-308; notice of his paper 'On a Collection of Birds from Bogota,' 369; notice of his 'New Species of *Coccyzus* from St. Andrews,' 369; the proper function of binomials and trinomials, 374.
- Strix pratincola*, 77, 85, 311.
- Sturnella magna hoopesi*, 113, 342.
magna mexicana, 113.
- Sturnus vulgaris*, 85, 192.
- Sturtevant, Edward, the Carolina Wren breeding in Rhode Island, 284.
- Surnia ulula caparoch*, 195.
- Swallow, Barn, 184, 189.
 Cliff, 359.
 Tree, 275.
- Swan, 309.
 Black, 226.
 Mute, 226.
 White, 226.
- Sylvania, 123.
mitrata, 313.
pusilla, 196.
- Sylvia cærulea*, 185.
macgillivrayi, 82.
mitrata, 123.
philadelphia, 82.
tolmiei, 82, 122.
- Symphemia semipalmata inornata*, 230.
semipalmata speculifera, 230.
- Synallaxis striatipectus*, 370.
terrestris, 370.
- Syrichtha, 330, 331.
- Syrictus, 330, 331.
- Syrnium *nebulosum helveolum*, 291, 341.
occidentale caurinum, 109.
- TACHYCINETA *bicolor*, 275.
thalassina, 358.
- Tanager, Scarlet, 278.
 Summer, 278, 312.
- Tanagra *cyanea*, 121.
- Teal, Blue-winged, 161, 162, 163, 309.
 Green-winged, 161, 162, 163, 309.
- Tern, Arctic, 264.
 Black, 351.
 Caspian, 190, 193.
 Common, 309.
 Least, 259, 284.
 Roseate, 260, 261.
 Wilson, 261.
- Terns of Muskeget and Penikese Islands, 64, 66, 259-266.
- Tetragonops, 77.
- Thalassidroma castro*, 177.
melanogaster, 102.
tropica, 102.
- Thayer, Abbott H., a protest, 210.
- Thayer, Gerald H., the Chuck-will's-widow on shipboard, 273.
- Thompson, Ernest Seton, notice of his 'Wild Animals I have Known,' 289.
- Thrasher, Crissal, 189.
 Curve-billed, 189.
 Desert, 124.
 Pasadena, 123.
- Thrush, Bicknell's, 85.
 Grinnell's Water, 241.
 Hermit, 198.
 Louisiana Water, 241.
- Thryomanes, 89, 124.
bewickii, 89, 124.
bewickii bairdi, 90, 344, 345.
bewickii bewickii, 90.

- Thryomanes bewickii calophonus*, 90, 132, 348.
bewickii cerroensis, 90, 132.
bewickii charienturus, 90, 132, 346.
bewickii cryptus, 90, 132, 344.
bewickii drymæcus, 90, 132, 347.
bewickii eremophilus, 90, 132, 345.
bewickii leucogaster, 90, 124, 344.
bewickii leucophrys, 90.
bewickii murinus, 90.
bewickii nesophilus, 90, 132, 350.
bewickii percuus, 90.
bewickii spilurus, 90, 124, 346, 347, 348, 350.
brevicauda, 90, 125.
insularis, 90.
leucophrys, 125.
- Thryothorus bewickii*, 89.
bewickii leucogaster, 125.
leucophrys, 125.
ludovicianus, 284.
- Titmouse, Gray, 189.
 Tufted, 196.
- Torrey, Bradford, notice of his 'A World of Green Hills,' 86.
- Totanus flavipes*, 310.
littoreus, 130.
melanoleucus, 310.
nebularius, 130.
solitarius, 310.
solitarius cinnamomeus, 106.
speculiferus, 230.
totanus, 128.
- Towhee, Barranca, 254.
 Florida, 198.
 Northern Brown, 343.
 San Clemente, 120.
 San Diego, 254.
- Tringa bairdi*, 191, 194.
canutus, 194, 292.
couesi, 130.
fuscicollis, 194, 285.
maculata, 179.
maritima couesi, 130.
maritima ptilocnemis, 130.
minutilla, 310.
ochropus, 106.
ptilocnemis, 130.
solitaria, 105.
subruficollis, 194.
- Trochilus cohuatl*, 323.
papantzin, 324.
- Trochilus topiltzin*, 325.
tzacatl, 324.
xicotencal, 324.
- Troglodytes alascensis*, 125.
bewickii, 124.
hiemalis, 125.
hiemalis pacifica, 125.
leucogastra, 344.
spilurus, 124.
- Tropic-bird, Red-tailed, 102.
- Tryngites subruficollis*, 276.
- Turdus aliciaæ*, 127.
aliciaæ bicknelli, 85.
aonalschkæ, 128.
aonalschkæ pallasi, 198.
auduboni, 128.
fuscescens, 127.
mustelinus, 126.
swainsoni, 127.
ustulatus, 127.
- Turkey, 77, 232.
 Mexican, 107.
 Wild, 108, 310.
- Turnstone, 76, 187, 246.
- Turtur risorius*, 371.
- Tympanuchus americanus attwateri*, 130.
attwateri, 130.
- Tyrannula ardosiacæ*, 332.
bogotensis, 333.
curtipes, 337.
frontalis, 78.
phœbe, 333.
richardsonii, 333.
- Tyrannus borealis*, 331.
tyrannus vexator, 189.
vociferans, 189.
- URIA, 202.
lomvia, 91, 193.
- Urinator, 98.
- Urinatoridæ, 97.
- VIREO *flavifrons*, 185.
noveboracensis micrus, 30.
philadelphia, 359.
solitarius, 198, 311.
- Vireo, Blue-headed, 198, 312.
 Philadelphia, 359.
 Small White-eyed, 30.
- Vultur *atratus*, 83, 84.
- Vulture, Black, 195, 310.
 California, 272.
 Turkey, 181, 195.
- WARBLER, Bay-breasted, 275.

- Warbler, Black-poll, 275.
 Blue-winged, 312.
 Calaveras, 156.
 Cape May, 313.
 Cerulean, 313.
 Connecticut, 313.
 Golden-winged, 312.
 Golden Swamp, 236.
 Hermit, 156.
 Hooded, 275, 313, 359.
 Hoover's, 343.
 Lutescent, 156.
 Kentucky, 61.
 Kirtland's, 81, 359.
 Macgillivray's, 81, 156.
 Mourning, 85, 313.
 Myrtle, 217.
 Palm, 195, 275.
 Pine, 198.
 Prothonotary, 236, 312.
 Wilson's, 196.
 Worm-eating, 312.
 Yellow-headed, 31.
- Warren, Oscar B., a chapter in the life of the Canada Jay, 12-19.
- Wayne, Arthur T., destruction of birds by the great cold wave of February 13 and 14, 1899, 197; notes on Marian's Marsh Wren, *Cistothorus marianæ*, and Worthington's Wren, *Cistothorus palustris griseus*, 361.
- Waxwing, Bohemian, 187.
 Cedar, 253.
- Weed, Clarence M., notice of his 'The Winter Food of the Chickadee,' 206; do. 'The Feeding Habits of the Chipping Sparrow,' 206.
- Whip-poor-will, Stephens's 188.
- Whitman, Charles Huntington, notice of his 'The Birds of Old English Literature,' 207.
- Widgeon, European, 270.
- Willer, Western, 230.
- Williams, I. Bickerton, the color of certain birds, in relation to inheritance, 318-322.
- Wilson, Sidney S., some additional New Mexican birds, 188.
- Wilsonia, 123.
 canadensis, 123.
 mitrata, 123, 273, 275, 360.
 pusilla, 123.
 pusilla pileolata, 123.
- Wolf, Joseph, obituary of, 301.
- Woodcock, 197.
- Woodpecker, American Three-toed, 251.
 Downy, 251.
 Hairy, 251.
 Northern Pileated, 110.
 Pileated, 311.
 Red-bellied, 241, 311.
 Red-headed, 189, 272, 353.
 Rocky Mountain Hairy, 110.
 Texan, 188.
- Worthington, Willis W., rare birds on eastern Long Island, 85.
- Wren, Bewick's, 313.
 Carolina, 83, 198, 284.
 Long-billed Marsh, 281.
 Marian's Marsh, 361.
 Short-billed Marsh, 281, 313.
 Western Marsh, 125.
 Western Winter, 160.
 Worthington's Marsh, 250, 361.
- XANTHOCEPHALUS xanthocephalus, 312.
 Xema sabinii, 86.
 Xenocichla, 183.
- YELLOW-LEGS, 310.
 Greater, 310.
- Yellow-throat, Maryland, 313, 360.
- ZONOTRICHIA albicollis, 268.
 gambeli, 36.
 leucophrys, 355.
 leucophrys gambeli, 36, 37.
 leucophrys intermedia, 36, 37.
 leucophrys nuttalli, 36, 37.
 mysticalis, 81.
 quinquestriatus, 81.
- Zamelodia ludoviciana, 305.
- Zenaidura carolinensis, 198.

ERRATA.

Page 21, line 14 from top, for true frog read tree frog.

Page 78, line 8 from top, for true Swifts read Tree Swifts.

" 236, after the title of the paper on the Prothonotary Warbler, insert, BY THOMAS S. ROBERTS.