

INDEX TO VOLUME XXXI.

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

- ACANTHIS *cannabina* harterti, 128.
 linaria linaria, 322.
- Acanthiza *nana* dorotheae, 559.
- Accipiter *velox*, 221, 247, 315, 479.
 cooperi, 221, 480.
- Aceridotheres *tristis*, 268.
- Actinodura *ramsayi yunnanensis*, 412.
- Actitis *macularia*, 76, 219, 314, 478.
- Æchmophorus *occidentalis*, 243.
- Ægialitis *semipalmata* 77.
- Ægintha *temporalis macgillivrayi*, 428.
- Ægotheles *benetti wiedenfeldi*, 279.
- Aëronautes *melanoleucus*, 318.
- Æstelata *arminjoniana*, 455, 457.
 chionophara, 13.
 incerta, 443, 447, 451, 453-457.
 macroptera, 454, 455, 457.
 mollis, 444, 453-457.
- Africa, 115, 263, 265, 408.
 South, 120.
- Agelaius *phœniceus fortis*, 321.
 p. nevadensis, 563.
 p. phœniceus, 79, 226, 483, 414, 537.
 p. predatorius, 226.
 p. subsp., 483.
 gubernator californicus, 169, 171.
- Aidemosyne *cantans meridionalis*, 116.
 inornata, 116.
- Aiken, Chas. E. H. and Warren, Edw. R., review of their 'The Birds of El Paso County, Colorado,' 552.
- Ailurœdus *buccoides oorti*, 133.
- Aix *galericulata brunnescens*, 431.
 sponsa, 216, 495.
- Alabama, 115, 212-235.
- Albatross, *Sooty*, 448, 451-453.
 Wandering, 441, 449.
- Alcippe *fratercula yunnanensis*, 275.
- Allen, Arthur A., review of his 'The Red-winged Blackbird,' 414.
 see also Wright, A. H.
- Allen, Francis H., another Massachusetts record for the Turkey Vulture (*Cathartes aura septentrionalis*), 536.
- Alseonax *cinereus*, 255, 279.
- Aluco *pratincola*, 222.
- Amazona *ochrocephala xantholæma*, 131.
- American Museum of Natural History, Roosevelt Brazilian Expedition, 438.
- American Ornithologists' Union, thirty-first stated meeting, 92-99; thirty-second stated meeting, 291, 390-394; committee on Classification and Nomenclature, 148; San Francisco meeting, 148.
- Ammodramus *savannarum australis*, 228.
 s. bimaculatus, 80, 323, 486.
- Anas *cristata*, 431.
 platyrhynchos, 216, 476, 544, 547.
 rubripes, 105, 216.
- Andropadus *fricki*, 408.
 f. kitungensis, 408.
- Androphilus *disturbans musculus*, 409.
- Anhinga *anhinga*, 216.

- Antarctic Regions, 116.
Anthus rubescens, 233, 329.
 spraguei, 404, 491.
Apalis griseiceps uluguru, 279.
Aphelocoma woodhousei, 320.
Aplonis atronitens minor, 268.
Apteryx, 282.
Aquila, review of, 561.
Archibuteo ferrugineus, 159-167.
Archilochus colubris, 78, 223, 481,
 496, 536.
Ardea, review of, 131, 280, 429, 561.
Ardea egretta, 410.
 garzetta, 410.
 herodias herodias, 75, 217, 477.
 h. treganzai, 403.
 melanocephala, 154.
Arenaria interpres morinella, 105,
 399.
Argusianus, 415.
 Arizona, birds of, 403, 411, 551.
Asio flammeus, 77, 222, 496.
 wilsonianus, 77, 222, 316.
Astragalinus psaltria psaltria, 322.
 tristis pallidus, 322.
 t. tristis, 79, 227, 322, 485.
Astur atricapillus, 548.
 cirrocephalus papuanus, 133.
 melanochlamys schistacinus,
 133.
Asyndesmus lewisi, 317.
Athene noctua lilith, 119.
 Atherton, Edward H., Evening
 Grosbeak (*Hesperiphona vespertina*
 vespertina) at Boston, Mass.,
 251.
 Atlantic, South, birds of, 439-457.
Atlapetes pallidinucha papallactae,
 280.
 Attwater, H. P., notice of his 'Use
 and Value of Wild Birds to Texas
 Farmers and Stockmen and Fruit
 and Truck Growers', 553.
 Audubon, reminiscence of, 105.
Auriparus flaviceps lamprocephalus,
 543.
 f. flaviceps, 543.
 Austral Avian Record, The, review
 of, 129, 278.
 Australia, birds of, 116, 267, 410,
 552.
 'Avicultural Magazine,' review of,
 128, 277, 427, 558.
Avocet, 314.
 BÆOLOPHUS *bicolor*, 234, 402, 492.
 Bagg, Egbert, the Willet in central
 New York, 100.
 Bailey, Vernon, review of his 'Life
 Zones and Crop Zones of New
 Mexico,' 113.
 Baker, E. C. Stuart, review of his
 'Indian Pigeons and Doves,' 265.
Balaniceps rex, 282.
Balanosphyra, 407.
 Bangs, Outram, the Bahama Swallow
 in Cuba, 401; review of his
 recent papers on new birds, 413;
 see also Thayer, John E.
 Bangs, Outram and Phillips, John
 C., review of their 'Notes on a
 Collection of Birds from Yunan,'
 412.
 Bannerman, David, review of his
 'An Ornithological Expedition to
 the Canary Islands,' 552.
 Barbour, Robert, Herring Gulls at
 sea, 397.
 Barrett, Harold L., Evening Gros-
 beaks at Jamaica Plain, Mass.,
 541.
 Barrett-Hamilton, G. E. H., obitu-
 ary notice of, 435.
Bartramia longicauda, 76, 219, 404.
 Bartsch, Paul, Mourning Warbler
 (*Oporornis philadelphia*) in Flor-
 ida, 103.
 Beebe, C. William, review of his
 'Preliminary Pheasant Studies'
 and other papers, 415.
 Behr, Herman, some breeding birds
 of Garrett Co., Maryland, 548.
 Berajah, review of, 281.
 Bergtold, W. H. Franklin's Grouse

- in Colorado, 246; Magnolia Warbler in Colorado, 253; Canadian Warbler in Colorado, 253; Yellow-crowned Night Heron in Colorado, 535; Chestnut-collared Longspur in Colorado, 541; Nevada Savannah Sparrow in New Mexico, 542.
- Beets, Norman deW., Bell's Vireo in Wisconsin, 542; review of his 'Birds of Boulder Co., Colorado,' 416.
- Bigglestone, Harry C., review of his 'A Study of the nesting behavior of the Yellow Warbler,' 420.
- Bird-Lore, review of, 124, 273, 424, 556.
- Bird Notes, review of, 128, 277, 559.
- Bird Notes and News, review of, 562.
- Bird of Paradise, 417.
- Bird plumage traffic, 289, 568.
- Bird protection, progress of, 437.
- Bishop, L. B., see Sage, J. H.
- Bittern, 75, 217.
Least, 75, 217, 544.
- Blackbird, Brewer's, 169, 171, 203, 321, 484, 538.
Red-winged, 79, 226, 414, 483, 537.
Rusty, 227, 250.
Yellow-headed, 79, 320, 402.
- Bleda syndactyla ogowensis, 279.
- Bluebird, 81, 235, 333, 493.
Chestnut-backed, 333.
Mountain, 333, 493.
- Bluebird, review of, 562.
- Bobolink, 79, 202, 226, 250, 400.
- Bob-white, 77, 219, 314, 478.
- Bombycilla cedrorum, 230, 490.
garrula, 328, 402.
- Bonasa umbellus umbellus, 544.
- Botaurus lentiginosus, 75, 217.
- Bradyornis infuscatus seimundi, 127.
ansorgii, 127.
- Bradyornis pallidus sharpei, 275.
- Bradypterus alfredi albicrissalis 279.
baboeculus fraterculus, 265.
cinnamomeus pallidior, 279.
sjöstedti, 279.
- Branta canadensis, 425.
canadensis canadensis, 217, 264, 477.
hutchinsi, 264.
minima, 264.
occidentalis, 464.
- Bridge, Lidian E., American Egret (*Herodias egretta*) at Naushon Island, Mass., 535; Red Phalarope (*Phalaropus fulicarius*) off Boston Harbor in Summer, 536.
- British Birds, review of, 128, 276-277, 427, 558.
- British Ornithologists' Club, review of Bulletin, 127, 275-276, 426, 558.
- Brooks, Earl A., West Virginia notes, 544; review of his 'List of the Birds of West Virginia,' 112.
- Bryant, Harold C., birds as destroyers of grasshoppers in California, 168-177; review of his 'A Determination of the Economic status of the Western Meadowlark (*Sturnella neglecta*) in California,' 417-419.
- Bubier, George M., Hooded Warbler at Nahant, Mass., 104.
- Bubo bubo swinhoi, 119.
virginianus lagophonus, 316.
v. virginianus, 222, 316.
- Buchanga leucogenys cerussata, 412.
- Budytes flavus plexus, 409.
- Buffle-head, 398.
- Bunker, C. D., review of his 'Birds of Kansas,' 263.
- Bunting, Indigo, 229, 327.
Lark, 327.

- Bunting, Lazuli, 327.
 Painted, 489.
 Snow, 80, 541.
- Burch, Verdi, does a Grebe spread its wings just before diving?, 211-212.
- Bush-shrike, Red-breasted, 152.
- Buteo borealis borealis, 221, 480.
 b. calurus, 315.
 lineatus alleni, 221.
 l. lineatus, 221, 255.
 platypterus, 221.
- Butorides virescens, anthonyi, 171.
 v. virescens, 75, 217.
- CADUC, E. E., Starlings (*Sturnus vulgaris*) at Providence, R. I., 249.
- Calamocichla leptorhyncha mueren-
 sis, 558.
- Calamospiza melanocorys, 327.
- Calandra, 91.
- Calandrella sclateri capensis, 282.
- Calcarius lapponicus lapponicus, 485.
 ornatus, 485, 541.
 pictus, 485.
- California, birds of, 109, 110, 168-177, 264, 411, 499-525, 543.
- Callichelidon cyaneoviridis, 401.
- Callipepla squamata pallida, 413.
- Calocitta formosa pompata, 413.
- Calopezus intermedius, 564.
- Camaroptera superciliaris ugandæ, 558.
- Cameron, E. S., the Ferruginous Rough-leg, *Archibuteo ferrugineus*) in Montana, 159-167.
- Campephaga thelicii, 432.
- Campephilus principalis, 480.
- Canachites franklini, 246.
- Canada, birds of, 402.
- Canary Islands, birds of, 552.
- Canvas-back, 216, 264.
- Cape Hen, 441.
- Cape Pigeon, 442, 445, 446.
- Capito tucinkæ, 280.
- Caprimulgus eleanoræ, 156, 413.
 monticola, 156.
 vociferus, 413.
- Cardinal, 229, 489.
- Cardinalis cardinalis cardinalis, 229, 489.
- Carduelis carduelis bermudiana, 127.
- Carpodacus cassini, 321.
 mexicanus frontalis, 321.
 purpureus purpureus, 227, 484, 496.
- Casuarus fuersteri, 275.
- Catbird, 81, 233, 330.
- Catharacta sp., 445, 446, 452, 453.
 antarctica falklandica, 440, 456, 457.
- Catharista urubu, 220, 403, 479.
- Cathartes aura septentrionalis, 101, 220, 255, 315, 479, 536, 544.
- Catherpes mexicanus conspersus, 330.
- Catoptrophorus semipalmatus semi-
 palmatus, 101, 105.
- Cats as bird enemies, 145.
- Cecropsis rufula ferghanensis, 430.
- Centurus carolinus, 224, 403, 481.
- Certhia familiaris americana, 50, 62, 86, 234, 492.
 f. montana, 331.
 f. pyrenaica, 126.
- Ceryle, 407.
 aleyon, 407.
 aleyon aleyon, 547, 78, 223, 480.
 americana, 407.
 torquata, 407.
- Ceyx dispar, 426.
- Chæmepelia passerina terrestris, 220.
- Chætura pelagica, 78, 224, 545.
- Chalcurus, 415.
- Chamberlain, E. B., another species added to the avifauna of South Carolina, 248.

- Chandler, Asa C., review of his 'Modifications and Adaptations to Function in the Feathers of *Circus hudsonius*,' 415.
- Chapman, Frank M., review of his papers on new birds from Colombia, Venezuela and Ecuador, 407.
- Charadrius dominicus dominicus, 255, 478.
hiaticula major, 557.
- Charitonetta albeola, 495.
- Chat, Long-tailed, 329.
Yellow-breasted, 233.
- Chaulelasmus streperus, 477.
- Chelidon griseopyga, 156.
- Chen hyperboreus hyperboreus, 477.
rossi, 403.
- Chicago Ornithological Society, 147.
- Chickadee, Acadian, 236-242, 254.
Carolina, 234.
Long-tailed, 81, 331, 548.
Mountain, 331.
Plumbeous, 492.
- Chicken, Prairie, 77-85, 478.
- Chloroceryle, 407.
- Chlorocichla flaviventris meruensis, 408.
- Chlorophoneus melaniprosopus ituriensis, 432.
multicolor theliei, 432.
- Chondestes grammacus grammacus, 454.
g. strigatus, 323, 486.
- Chordeiles, 413.
acutipennis muromeris, 413.
a. inferior, 413.
rupestris, 413.
r. xyostictus, 413.
r. zaleucus, 413.
virginianus, 413, 481.
v. chapmani, 224.
v. henryi, 317.
v. howelli, 413.
v. sennetti, 256.
v. virginianus, 78.
- Choucaleyon, 399.
- Cinelus mexicanus unicolor, 547.
- Circus cyaneus cernuus, 409.
hudsonius, 77, 203, 221, 415, 479.
- Cisticola cisticola jordansi, 278.
mystica, 559.
robusta abaya, 115.
r. tana, 115.
subruficapilla bodessa, 115.
s. fricki, 115.
natalensis nilotica, 116.
- Cistothorus stellaris, 81, 234, 253.
- Clangula clangula americana, 495.
- Clark, Clarence H., an unusual observation on the Crow (*Corvus brachyrhynchos*), 248.
- Clark, Hubert Lyman, anatomical notes on Trochalopteron and Sicalis, 461-463.
- Coale, Henry K., Richardson's Owl (*Cryptoglaux funerea richardsoni*) in N. E. Illinois, 536; Florida Meadow-lark (*Sturnella magna argutula*) in northern Illinois, 540; San Lucas Verdin (*Auriparus flaviceps lamprocephalus*) in California, 543.
- Coccyzus americanus, 77, 223.
erythrophthalmus, 77, 223.
- Colaptes auratus auratus, 224, 481.
a. borealis, 406.
a. luteus, 78.
cafer collaris, 317, 481.
chrysoides, 412.
- Colinus virginianus virginianus, 77, 219, 314, 478.
- Collinge, W. E., review of his observations on dispersal of weed seeds by birds, 554.
- Collocalia fuciphaga hirundinacea, 561.
f. micans, 561.
f. moluccarum, 561.
lowi palawanensis, 561.

- Colorado, birds of, 102, 246, 253,
 256, 309-333, 407, 416, 541, 552.
Columba hypænochroa uveænsis,
 268.
Colymbus auritus, 494.
 holbœlli, 211.
*Compsocoma somptuosa venezue-
 lana*, 280.
*Compsothlypis americana ameri-
 cana*, 231, 498.
 a. usneæ, 86, 491.
 Condor, The, review of, 124, 273-
 274, 425, 556.
 Connecticut, birds of, 108, 250, 402.
Conopias trivirgata berlepschi, 428.
Conopophaga snethlagæ pallida,
 428.
Conuropsis carolinensis, 125, 480.
 c. interior, 413.
 Cooke, Wells W., new bird records
 from Arizona, 403; some winter
 birds of Oklahoma, 473-494.
 Coot, 76, 218, 398.
*Corvus brachyrhynchos brachy-
 rhynchos*, 79, 284, 482.
 b. hesperus, 206.
 b. paulus, 115, 226.
 corax principalis, 545.
 c. sinuatus, 547.
 ossifragus, 544.
Cossypha natalensis garguensis, 265.
 intensa, 265.
Coturnicops noveboracensis, 218,
 256.
 Courser, Egyptian, 154.
 Cowbird, 79, 203, 206, 226, 250, 320,
 483.
 Crane, African Crowned, 150.
 Demoiselle, 150.
 Grey, 150.
 Little Brown, 548.
 Sandhill, 477, 548.
 Whooping, 218.
Crax alector, 343.
 Creeper, Brown, 50-62, 86, 234,
 492.
 Creeper, Rocky Mountain, 331.
 Crete, birds of, 118.
Criniger lönnerbergi, 283.
 swainsoni, 279.
 Crocodile-bird, 155.
 Crocodile Watcher, 155.
 Crossbill, 227.
 Bendire's, 322.
 White-winged, 251.
 Crow, 79, 248, 483.
 Fish, 544.
 Southern, 226.
 Western, 206.
Cryptoglaux acadicus scotæus, 407.
 a. acadicus, 403, 407.
 funerea richardsoni, 536.
Cryptolopha trivirgatus eiuncidus,
 412.
 Cuba, birds of, 248, 253, 401.
 Cuckoo, Black-billed, 77, 223.
 Yellow-billed, 77, 223.
Cuculus canorus subtelephonus, 561.
 Culver, Delos E., concealing pos-
 tures of Grebes, 395.
Cyanerpes cyanea tobagensis, 561.
Cyanocitta cristata cristata, 79, 482.
 c. florincola, 225.
 stelleri diademata, 319.
Cyanolyseus andinus, 564.
DACELO gigas, 399.
Dafila acuta, 216.
Dasylophus, 281.
 Deane Ruthven, serious loss of
 bird-life during spring migration,
 549.
 Delaware Valley Ornithological
 Club, annual meeting, 291.
Dendragapus obscurus flemingi,
 385.
 o. obscurus, 314.
*Dendrobiastes hyperythra negroi-
 des*, 409.
Dendroica æstiva æstiva, 81, 231,
 329.
 auduboni auduboni, 329.

- Dendroica caerulescens cairnsi*, 546.
 castanea, 81.
 coronata, 86, 231, 329, 491.
 cerulea, 231.
 discolor, 232.
 dominica dominica, 232.
 fusca, 232.
 magnolia, 231, 253, 498.
 palmarum palmarum, 232.
 pensilvanica, 232.
 striata, 232, 498.
 tigrina, 546.
 vigorsi, 232.
 virens, 232.
- Diaphoropterus nævius simillimus*, 268.
- Diatryma*, 269.
- Dicaeum finschi*, 560.
 hirundinaceum, 460.
- Dickcissel*, 80, 229, 489.
- Dierurus hottentottus manumeten*, 409.
- Die Schwalbe, review of, 410.
- Diomedea exulans*, 441-443, 446, 448, 451-457.
 melanophrys, 443, 445-448, 450-451, 453, 456, 457.
 nigripes, 136.
- Dipper, 547.
- District of Columbia, birds of, 251.
- Dolichonyx oryzivorus*, 79, 250.
- Doryfera*, 101.
- Dove, Cape, 150.
 Ground, 220.
 Mourning, 77, 220.
 Western Mourning, 315, 479.
- Dreptes*, 560.
- Dryobates borealis*, 223.
 pubescens cactophilus, 406.
 p. eremicus, 406.
 p. glacialis, 406.
 p. homorus, 316.
 p. medianus, 78.
 p. pubescens, 223, 480.
 scalaris bairdi, 407.
- Dryobates s. symplectus*, 407.
 villosus auduboni, 223.
 v. icastus, 406.
 v. leucomelas, 406.
 v. leucothorectes, 406.
 v. monticola, 316.
 v. orius, 406.
 v. septentrionalis, 406.
 v. sitkensis, 406.
 v. villosus, 480, 545.
- Dryocopus eburneirostris*, 280.
- Duck, Black, 216, 398.
 Buffle-head, 495.
 Comb, 154.
 Golden-eye, 495.
 Harlequin, 535.
 Lesser Scaup, 244, 398.
 Red-legged Black, 105.
 Ring-necked, 216.
 Ruddy, 398, 403.
 Scaup, 398.
 Wood, 216, 495.
- Dumetella carolinensis*, 81, 233, 330.
- Dwight, Jonathan, Jr., the moults and plumages of the Scoters — genus *Oidemia*, 293-308.
- EAGLE, Bald, 71, 221, 480.
- Eaton, Elon Howard, review of his 'Birds of New York, part II,' 550.
- Economic Ornithology, 420, 421, 553.
- Ectopistes migratorius*, 219, 358-362, 566.
- Ecuador, birds of, 407.
- Edoliisoma amboinense admiralitatis*, 426.
 a. rooki, 426.
- Egret, 398.
 American, 100, 245, 535.
- Egretta, 410.
- Eider, common, 16.
 American, 14.
 Northern, 14.
- Elanoides forficatus*, 220, 479.

- Elliot, D. G., in memoriam, Philip Lutley Selater, 1-12.
 Elms, E. F. M., notice of his 'A Pocket-Book of British Birds,' 269.
Empidonax minimus, 78, 545.
 trailli alnorum, 78, 545.
 virescens, 225.
 wrighti, 319.
 Emu, The, review of, 129, 278, 427, 559.
Enicurus guttatus bacatus, 412.
Entomophila borealis, 278.
Eopsaltria australis austina, 559.
 cinerea, 255.
Eremomela hypoxantha, 279.
Ereunetes pusillus, 219.
Erismatura jamaicensis, 403.
Erythropygia ansorgi, 558.
Erythrura trichroa pinaia, 409.
Estrilda astrilda, 268.
Euphagus carolinus, 227, 250.
 cycnocephalus, 169, 171, 321, 484, 538.
Euphonia, development of stomach, in, 458-460.
Euphonia elegantissima vincens, 276.
 fulvicrissa omissa, 276.
Euscarthmus josephinae, 558.

 FALCO, review of, 281.
Falco peregrinus anatum, 495.
 sparverius subsp., 222.
 s. *phalæna*, 315.
 s. *sparverius*, 480.
 tinnunculus dacotiae, 119.
 Figgins, J. D., the fallacy of the tendency towards ultra-minute distinctions, 62-69.
 Finch, Cassin's Purple, 321.
 House, 321.
 Purple, 227, 484, 496.
 Finley, W. L., notice of his 'Oregon Sportsman' and 'Report of State Game Warden of Oregon,' 270.
 Fisher, A. K., recovery of a banded Pintail Duck, 100.
 Fleming, J. H., an abnormal Rose-breasted Grosbeak, 102.
 Flicker, 224, 481.
 Northern, 78.
 Red-shafted, 206, 317, 481.
 Florida, birds of, 103, 494-498.
Florida cærulea, 217, 544.
 Flycatcher, Acadian, 225.
 Alder, 78, 545.
 Crested, 85, 225, 248.
 Least, 78, 206, 545.
 Olive-sided, 545, 548.
 Scissor-tailed, 225, 481.
 Wright's, 319.
 Forbush, E. H., notice of his 'Report of the State Ornithologist of Mass., 1912,' 270.
 Fordyce, George L., the Western Grebe in Ohio, 243.
Francolinus clappertoni, 153.
Fregata aquila, 216.
Fregetta grallaria, 440, 442-447, 449, 452-457.
Fringilla cælebs ombriosa, 276.
 c. *solomkoi*, 278.
Fulica americana, 76, 218.
 stenoleuca.

 GABRIELSON, Ira N., some Marshalltown, Iowa, notes, 255; review of his studies of the food of nest birds, 420.
 Gadwall, 477.
 Gain, L., review of his 'Penguins of the Antarctic Regions,' 116.
 Galapagos Islands, birds of, 112, 385.
Galbula albirostris, 406.
Gallinago delicata, 218, 478.
Gallinula galeata, 75.
 Gallinule, Florida, 75.
 Purple, 218.
Gallirallus townsoni, 426.
 Gannet, 287.
Garrulus glaudarius iphigenia, 278.

- Gavia immer*, 216.
 pacifica, 403.
Geobasiliscus reguloides tarana, 559.
Geothlypis trichas arizela, 412.
 t. ignota, 232.
 t. occidentalis, 329.
 t. trichas, 81, 491.
Geotrygon pariae, 408.
Gifford, Edward W., review of his 'Birds of the Galapagos Islands,' 112.
Glareola ocularis, 267.
Glaucidium gnoma grinnelli, 406.
 siju vittatum, 406.
 phalaenoides, 403.
Glaucis hirsuta insularum, 280.
Gnatcatcher, Blue-gray, 235, 493.
Goldfinch, 79, 206, 227, 322, 485.
 Arkansas, 322.
Golson, Lewis S. and Holt, Ernest G., birds of Autanga and Montgomery counties, Alabama, 212-235.
Goose, Canada, 217, 477.
 Egyptian, 154.
 Ross's, 403.
 Snow, 477.
Goshawk, 548.
Grackle, Bronzed, 79, 210, 227, 484.
 Purple, 227.
Grallaria ruficapilla avilae, 561.
Graucalus papuensis ingens, 426.
Great Britain, birds of, 416.
Grebe, Holboëll's, 211, 395.
 Horned, 494.
 Pied-billed, 74, 215, 395, 476.
 Western, 243.
Grinnell, Joseph, review of his 'An account of the Mammals and Birds of the Lower Colorado Valley,' 411; notice of his 'A New Red-winged Blackbird from the Great Basin,' 563.
Grinnell, Joseph, and Swarth, H. S., review of their 'An Account of the Birds and Mammals of the San Jacinto Area of Southern California,' 110.
Griscom, Ludlow, the Fox Sparrow in Central Park, New York City, in August, 102; the Arkansas Kingbird (*Tyrannus verticalis*) in Rhode Island, 248; the Short-billed Marsh Wren (*Cistothorus stellaris*) on Long Island in winter, 253; the Acadian Chickadee (*Penthestes hudsonicus littoralis*) at Watch Hill, R. I., 254.
Grosbeak, Black-headed, 206, 327.
 Blue, 229.
 Evening, 105, 251, 256, 400 541.
 Rocky Mountain Pine, 321 548.
 Rose-breasted, 80, 102, 229.
Grouse, Dusky, 314.
 Fleming's, 385.
 Franklin's, 246.
 Ruffed, 544.
 Sharp-tailed, 85.
Grus americana, 218.
 canadensis, 548.
 mexicana, 477.
Guinea-fowl, Helmeted, 153.
Guiraca caerulea caerulea, 229.
Gull, Bonaparte's 495.
 Franklin's, 85.
 Glaucous, 397.
 Herring, 22-49, 85, 178-199 397, 398, 494.
 Laughing, 41.
 Sabine's, 105.
Gunning, J. W. B., obituary of, 143.
Günther, Albert C. L. G., obituary of, 435.
Gurney, J. H., the Gannets of Bonaventure, 287; review of his 'The Gannet,' 107.
Gymnomyza, 560.
Gyps fulvus, 126.
 fulvescens, 126.

- HALCYON macleayii carulens, 267.
 Haliaetus leucocephalus leucocephalus, 77, 221, 480.
 Halobaena carulea, 443, 446, 449, 456.
 Harelda hyemalis, 244.
 Hartert, E., review of his 'Die Vogel der palaarktischen Fauna,' 119.
 Hawk, Broad-winged, 221.
 Cooper's, 210, 221, 480.
 Duck, 495.
 Florida Red-shouldered, 221.
 Marsh, 77, 221, 415, 479.
 Red-shouldered, 221, 255.
 Red-tailed, 221, 480.
 Sharp-shinned, 221, 247, 315, 479.
 Sparrow, 222, 480.
 Western Red-tailed, 315.
 Western Sparrow, 315.
 Hebe schucherti, 116.
 Helinaia, 564.
 swainsoni, 231, 253.
 Hellmayr, C. E., review of his 'Avifauna of Timor,' 268.
 Helmitheros vermivorus, 231.
 Helodromas solitarius solitarius, 76, 219.
 Hemigarzetta, 552.
 Hemiprocne mystacea, confirmata, 409.
 Hemispingus hanieli, 561.
 Hemistephania, 101.
 Henshaw, H. W., review of his 'Birds of Town and Country,' 423.
 Heredity, 290.
 Herman, Otto, review of his 'Birds Useful and Birds Harmful,' 554.
 Herodias, 410.
 egretta, 100, 245, 535.
 eulophotes, 552.
 Heron, Anthony's Green, 171.
 Black-crowned Night, 75, 217.
 Goliath, 153.
 Great Blue, 75, 217, 477.
 Heron, Green, 75, 217.
 Little Blue, 217, 544.
 Louisiana, 217.
 Treganza's, 403.
 Yellow-crowned Night, 217, 535.
 Hersey, F. Seymour, two unrecorded specimens of the European Widgeon from Massachusetts, 243; notes on an unusual flight of Stilt Sandpiper (*Micropalama himantopus*), 246.
 Hesperiphona vespertina vespertina, 105, 251, 256, 400, 541.
 Hess, Isaac E., three new birds for Champaign County, Illinois, 402.
 Hewitt, C. G., review of his 'The protection of birds in and around Ottawa,' 422.
 Hirundo erythrogastra, 80, 230, 328, 490.
 pucheti, 156.
 Histrionicus histrionicus, 535.
 Holt, Ernest G., see Golson, Lewis, S.
 Honywill, Albert W., additions to 'Notes on Some Summer and Fall Birds of the Crooked Lake Region, Cass and Crow-Wing Counties, Minn.,' 82-86.
 Hornbill, Brown, 152.
 Abyssinian Ground, 152.
 Howe, R. Heber, Jr., American Egret (*Herodias egretta*) in Rhode Island, 245.
 Howell, A. Brazier, Cowbird note, 250; unusual nesting site of the English Sparrow, 252.
 Howell, A. H., review of his 'Description of two New Birds from Alabama,' 115.
 Hull, Edwin D., notes on the habits of an Old-squaw (*Harelda hyemalis*) and two Lesser Scaup Ducks (*Aythya affinis*), 244-245; a feed-

- ing habit of the Ruddy Turnstone (*Arenaria interpres morinella*), 399; the Snow Bunting again in the Chicago area, 541.
- Hummingbird, Broad-tailed, 318.
Ruby-throated, 78, 223, 481, 496, 536.
- Hybrids, 281, 277.
- Hydranassa tricolor ruficollis, 217.
- Hydrochelidon nigra surinamensis, 74.
- Hylocichla guttata pallasi, 235, 493.
g. sequoiensis, 404.
mustelina, 235, 498.
ustulata swainsoni, 125, 235, 332, 546, 548.
- Hypargos niveoguttatus macrospilotus, 116.
- Hypnelus ruficollis coloratus, 406.
- Hypocnemis paeelonota nigrigula, 428.
- Hypodes cinerea, 255, 279.
- IANTHIA practica, 412.
- Ianthocincla lustrabila, 412.
- Ibis, The, review of, 126, 275, 426, 557.
- Ibis, White, 415.
- Icteria virens longicauda, 329.
v. virens, 233.
- Icterus bullocki, 169, 171, 321.
galbula, 79, 544.
spurius, 79, 227.
xanthornus trinitatis, 276.
- Ictinia mississippiensis, 221.
- Illinois, birds of, 402, 536, 540, 541.
- India, birds of, 265.
- Ionornis martinicus, 218.
- Iowa, birds of, 70, 255.
- Iridoprocne bicolor, 80, 85, 230, 490.
- Ithaginis, 415.
- Ixobrychus exilis, 75, 217, 544.
- Ixulus flavicollis harterti, 275.
- JAY, Blue, 79, 405, 482.
Florida Blue, 225.
- Jay, Long-crested, 319.
Piñon, 320.
Woodhouse's, 320.
- Jenkins, Ida G., Hooded Warbler at Boston, Mass., 104.
- Jentink, Dr. F. A., obituary of, 143.
- Job, Herbert K., review of his 'In Quest of the Canvasback,' 264.
- Journal of the South African Ornithologists' Union, review of, 130, 559.
- Journal für Ornithologie, review of, 130, 279, 429, 560.
- Junco aikeni, 325, 488.
hyemalis subsp., 497.
h. connectens, 325.
h. hyemalis, 228, 325, 488.
h. mearnsi, 325.
h. montanus, 325.
phaenotus caniceps, 325.
- Junco, Gray-headed, 325.
Montana, 325.
Pink-sided, 325.
Shufeldt's, 325.
Slate-colored, 228, 325, 488.
White-winged, 325, 488.
- KALMBACH, E. R., a misinterpretation, 394; notice of his 'Birds in Relation to the Alfalfa Weevil,' 553.
- Kansas, birds of, 104, 263.
- Keezel, Clara, notice of her 'Bird Study Note Book,' 269.
- Kennard, F. H., a quaint reminiscence of Audubon, 105.
- Killdeer, 76, 101, 171, 208, 219, 314, 478.
- Kingbird, 78, 208, 225, 482.
Arkansas, 78, 169, 171, 248, 318.
- Kingfisher, Belted, 78, 208, 223, 480, 547.
- Kinglet, Golden-crowned, 106, 235, 492, 548.

- Kinglet, Ruby-crowned, 106, 235, 332, 492.
 Western Golden-crowned, 404.
- Kirkham, Stanton D., review of his 'North and South,' 114.
- Kite, Mississippi, 221.
 Swallow-tailed, 220, 479.
- Knight, Ora Willis, obituary of, 141.
- Knot, 105.
- LAGONOSTICTA rubricata fricki, 116.
 senegala, 157.
- Lagopus lagopus koreni, 409.
 l. lagopus, 399.
- Lanius borealis, 328.
 ludovicianus excubitorides, 490.
 l. gambeli, 169, 171.
 l. ludovicianus, 230.
 l. migrans, 80.
 yemenensis, 276.
- Lanivireo flavifrons, 230.
 solitarius subsp., 231.
- Lark, Desert Horned, 319, 547.
 California Horned, 171.
 Prairie Horned, 78; 482.
- Larus argentatus, 22-49, 85, 178-199, 494.
 atricilla, 41.
 franklini, 85.
 hyperboreus, 397.
 philadelphia, 495.
- Lathria cryptolopha mindoensis, 561.
- Laurocalis, 413.
- Lechner, A. A. Van Pelt, review of his 'Oologia Neerlandica,' 262.
- Leptotila ochraceiventris, 408.
- Leucophoyx, 410.
- Lewis, Harrison F., breeding of the Red-winged Blackbird (*Agelaius phoeniceus phoeniceus*) in Nova Scotia, 537.
- Limnithlypis, 564.
- Linaria, 90.
- Lincoln, F. C., two species new to Colorado, 256.
- Linnæan Society of New York, annual dinner of, 291.
- Linota brevirostris korejevi, 428.
 b. pamerensis, 428.
- Lobivanellus senegallus major, 279.
- Longspur, Chestnut-collared, 485, 541.
 Lapland, 485.
 McCown's, 485.
 Smith's, 485.
- Loon, 216.
 Pacific, 403.
- Lophocercus hemprichi, 152.
- Lophodytes cucullatus, 216.
- Lophonetta, 431.
- Lophortyx californica californica, 63.
 gambeli, 63.
- Loriculus aurantiifrons batavorum, 130.
- Lowe, Willoughby P., Phœbe (*Sayornis phæbe*) in Colorado, 102.
- Loxia curvirostra bendirei, 322.
 c. minor, 227.
 leucoptera, 251.
- Lucar, 91.
- Luscinia, 91.
- MACGILLVRAYORNIS, 428.
 claudi, 428.
- Machæirhynchus nigripectus saturatis, 133.
- Mackay, George H., American Merganser (*Mergus americanus*) at Boston, Mass., in midwinter, 243.
- Mackie, D. B., review of his report on 'Bird Enemies of the Philippine Locust, 270.
- Macronectes giganteus, 442-444, 447, 451-452, 456-457.
- Magpie, 206, 319, 402, 547.
- Maine, 247, 248.
- Mallard, 216, 398, 476, 544, 547.
- Man-o'-war-bird, 216.
- Mareca americana, 477.

- Mareca penelope, 243, 397, 427.
Marila affinis, 244.
 collaris, 216.
 marila, 398.
 valisineria, 216.
Martin, Purple, 230, 490, 497.
Maryland, birds of, 548.
Massachusetts, birds of, 100, 101, 103, 104, 236-242, 243, 246, 249, 251, 397, 535, 536, 541, 544.
Mathews, Gregory M., some binary generic names, 86-91; review of his 'The Birds of Australia,' 116, 267, 410, 552.
McAtee, W. L., birds transporting food supplies, 404; notice of his 'Five Important Wild Duck Foods,' 553.
McDermid, C. C., the Woodcock carrying its young, 398.
Meadowlark, 226, 483.
 Southern, 226, 540.
 Western, 79, 169, 171, 202, 321, 417-419, 484.
Mearns, Edgar A., review of his papers on new African birds, 115, 265; review of his 'Descriptions of eight New African Bulbuls,' 408.
Megalornis grus grus, 150.
Megapodius duperreyii buruensis, 409.
Megarhynchus sp., 442.
Melamparus afer fricki, 265.
Melanerpes erythrocephalus, 224, 317, 481.
 formicivora, 407.
 aculeata, 407.
Meleagris gallopavo intermedia, 343.
 g. merriami, 343.
 g. osceola, 343.
 g. silvestris, 219, 343, 478.
 ocellata, 342.
Melierax metabates, 151.
Melospiza georgiana, 80, 228.
 melodia montana, 326.
 melodia melodia, 80, 228, 488.
Melospiza lincolni lincolni, 326, 489, 542.
Menegaux, A., review of his reprint of Lesson's 'Articles d'Ornithologie,' 266; notice of his 'Birds as Enemies of Mice,' 423.
Merganetta, 415.
Merganser, 243, 398.
 Hooded, 216.
 Red-breasted, 105.
Mergus americanus, 243.
 serrator, 105.
Merops nubicus, 156.
Merula, 90.
 mareensis laroehensis, 268.
Messenger Ornithologique, review of, 430, 561.
Meyer, G. Ralph, Sharp-shinned Hawk in Maine in winter, 247.
Michigan, birds of, 115.
Micropalama himantopus, 76, 105, 246.
Micropallas whitneyi sanfordi, 406.
 w. idoneus, 406.
Micropsitta meeki, 426.
Microstilbon, 114.
Microxenops milleri, 408.
Millais, J. G., review of his 'British Diving Ducks,' 259.
Miller, Richard F., the Red-bellied Nuthatch (*Sitta canadensis*) feeding among weeds, 253.
Miller, W. DeW., Doryfera vs. Hemistephania, 101; Choucaleyon vs. Sauromarptis, 399.
Milvus milvus fasciicauda, 276.
Mimus polyglottos polyglottos, 233, 491.
Minnesota, birds of, 82, 538.
Mirafraga pccilosterna jacksoni, 127.
 sobatensis, 558.
Mniotilta varia, 81, 231.
Mockingbird, 233, 491.
Mollymoke, 445, 446, 448.
Molothrus ater ater, 79, 320, 483.
 bonanensis, 283.

- Montana, birds of, 159, 200-210, 257, 399, 535.
- Morinella, 91.
- Morris, Robert O., notes from Springfield, Mass., 544.
- Mullens, W. H., review of his Guide to Selborne, 268.
- Murphy, Robert C., preliminary description of a new petrel, 12-13; observations on birds of the south Atlantic, 439-457; see also Nichols, J. T.
- Muscicapa cassini, 229, 255. lugens, 255.
- Muscivora forficata, 225, 481.
- Museum Expeditions, 436.
- Mutton-birds, 443, 444.
- Myadestes townsendi, 332, 548.
- Myiagra calidonica uveaensis, 268. marcensis, 268. galeata seranensis, 409.
- Myiarchus crinitus, 85, 225, 248. tyrannulus tobagensis, 561.
- Myiochanes richardsoni richardsoni, 318. virens, 78, 225.
- Myrmotherula iheringi, 428.
- NANNOCHORDEILES, 413.
- Nannopterum harrisii, 112.
- Nannus hiemalis hiemalis, 234, 492, 548.
- Nature Library, review of, 553.
- Nectarinia platyura, 279.
- Neochmia phaeton albiventer, 428.
- Neomorpus nigrogularis, 408.
- Nettion carolinense, 216, 477.
- New Caledonia, birds of, 268.
- New Mexico, birds of, 113, 542.
- New York, birds of, 100, 102, 253, 398, 550.
- Nichols, John Treadwell, Brown Pelican regular off North Carolina, 100; an undescribed Galapagos race of Oceanodroma castro, 388-390; an Egret on Long Island, 398.
- Nichols, John Treadwell and Murphy, Robert Cushman; a review of the genus Phœbetria, 526-533.
- Nighthawk, 78, 481. Sennett's, 256. Western, 206, 317.
- Nightjar, Egyptian, 155.
- Niltava sundara denotata, 412.
- Ninox meeki, 426.
- Noble, G. Kingsley, American Egret (*Herodias egretta*) at Martha's Vineyard, Mass., 100; Killdeer Plover at Cambridge, Mass., 101; Turkey Vulture (*Cathartes aura septentrionalis*) at Martha's Vineyard, 101.
- Nomenclature, 146.
- Nonnulla duidæ, 408.
- North Carolina, birds of, 100, 542.
- Nothocercus salvadorii, 276.
- Nova Scotia, birds of, 537.
- Nucifraga cariocatactes, 133. columbiana, 320, 547.
- Numenius borealis, 426.
- Numida ptilorhyncha baringoensis, 558.
- Nutcracker, Clarke's, 320, 547.
- Nuthatch, Brown-headed, 234. Florida White-breasted, 234. Pygmy, 331. Red-breasted, 253, 331. Rocky Mountain, 331. White-breasted, 492, 498.
- Nuttallornis borealis, 318, 545, 548.
- Nyctea nyctea, 77, 247.
- Nycticorax nycticorax nævius, 75, 217.
- Nyctinassa violacea, 217, 535.
- Nyctiprogne, 413.
- OBERHOLSER, Harry C., review of his 'A Monograph of the Genus Chordeiles Swains. Type of a New Family of Goatsuckers,' 413.
- Oceanites oceanicus, 439-448, 452-457.

- Oceanodroma castro **bangsi**, 389.
c. castro, 390.
c. cryptoleucura, 389-390.
leucorrhœa, 388.
- Ohio, birds of, 243.
- Oidemia, 293-308.
americana, 298-301.
carbo, 306.
deglandi, 304-306.
fusca, 307-308.
nigra, 307-308.
perspicillata, 302-304.
- Oklahoma, winter birds of, 473-494.
- Old-squaw, 244.
- Oölogist, The, review of, 126, 275,
425, 557.
- Oporornis formosus, 232.
philadelphia, 103, 546.
tolmiei, 329.
- Oregon Sportsman, notice of, 562.
- Oreoscoptes montanus, 330.
- Oreospiza chlorura, 327.
- Oreosterops pinaia, 409.
- Oriole, Baltimore, 79, 544.
Bullock's, 169, 171, 321.
Orchard, 79, 227.
- Oriole, The, review of, 123, 562.
- Ornithological Articles in other
journals, 132, 281, 430, 562.
- Ornithological Journals, review of,
124, 273, 424, 556.
- Ornithologische Monatschrift, re-
view of, 131, 279, 429, 560.
- Ornithologisches Jahrbuch, review
of, 280, 560.
- Ornithologisches Monatsberichte,
review of, 130, 278, 428, 560.
- Ortygometra gabonensis, 558.
- Osprey, 222, 256, 403.
- Othyphantes frieki, 116.
- Otocoris alpestris actia, 171.
a. euroa, 409.
a. leucolæma, 319, 547.
a. praticola, 78, 482.
- Otus asio, 407.
a. asio, 77, 480.
- Otus a. brewsteri, 406.
a. floridanus, 222.
a. hasbroucki, 406.
a. maxwelliæ, 316.
a. nævius, 407.
flammeolus flammeolus, 407.
f. idahœnsis, 407.
xantusi, 407.
- Ousel, Water, 547.
- Ovenbird, 232.
- Owl, Barn, 222.
Barred, 480.
Burrowing, 171, 480.
Ferruginous Pygmy, 403.
Florida Screech, 222.
Great Horned, 222, 316.
Richardson's, 536.
Saw-whet, 403.
Screech, 77, 480.
Short-eared, 77, 203, 222, 496.
Long-eared, 77, 222, 316.
Florida Barred, 222.
Rocky Mountain Screech, 316.
Snowy, 77, 247.
- Oxyechus vociferus, 76, 101, 171,
219, 314, 478.
- PACHYSYLVA rubrifrons lutescens,
428.
l. inornata, 428.
pectoralis alfurorum, 409.
- Pagodroma nivea, 451, 456.
- Palmer, T. S., review of bird pro-
tection, 143.
- Pandion haliaëtus carolinensis, 222,
256, 403.
- Paradisæa duivenbodei, 131.
raggiana sororia, 131.
intermedia, 131.
- Parisoma olivascens, 255, 279.
- Paroquet, Carolina, 480.
- Parrot, Meyer's, 153.
- Partridge, European, 555.
- Parus bokharensis, 280.
b. panderi, 130.
cæruleus harterti, 428.

- Parus cristatus weigoldi*, 428.
Passer domesticus, 80, 169, 171,
 252, 268, 323.
 domesticus chephreni, 263.
 d. domesticus, 227.
 hispaniolensis cananensis, 561.
Passerculus sandwichensis alaudinus, 323, 485.
 s. nevadensis, 542.
 s. savanna, 227, 497.
Passerella iliaca iliaca, 102, 228,
 489.
Passerherbulus henslowi occidentalis, 80.
 lecontei, 256, 486.
Passerina amcena, 327.
 ciris, 489.
 cyanea, 229, 327.
Pavo, 415.
Pediceetes phasianellus phasianellus, 85.
Pelecanoides urinatrix, 450, 452,
 456, 457.
Pelecanus erythrorhynchos, 255.
 occidentalis, 100.
 Pelican, Brown, 100.
 White, 255.
Pelidna alpina pacifica, 108.
Pellorneum ruficeps granti, 276.
 Penguin, 446.
 Pennsylvania, birds of, 400.
Penthestes carolinensis agilis, 492.
 c. carolinensis, 234.
 atricapillus septentrionalis, 81,
 548.
 gambeli gambeli, 331.
 hudsonicus littoralis, 236-242,
 254.
Perenostola lophotes, 561.
Perdix perdix, 555.
Pericrocotus brevirostris ethologus, 412.
 b. flavillaceus, 412.
 Peters, James L., Tennessee Warbler (*Vermivora peregrina*) in Massachusetts in autumn, 103.
 Petrel, Blue, 445.
 Diving, 450.
 Giant, 442, 444.
 Petrella, 91.
 capensis, 442-446, 448, 452,
 456, 457.
Petrochelidon fulva pallida, 401.
 lunifrons tachina, 401.
 l. lunifrons, 80, 171, 328, 490.
Peucea aestivalis bachmani, 228,
 546.
 Pewee, Wood, 78, 225.
 Western Wood, 206, 318.
Phalacrocorax auritus subsp., 216.
Phalacropterus, 412.
 nuttalli,
 nitidus, 407.
 Phalarope, Red, 536.
Phalaropus fulicarius, 536.
Phasianus torquatus, 314.
 Pheasant, 271.
 Ring-necked, 314.
Philemon novaguineæ brevipennis,
 133.
 Phillips, John C., among the birds of the eastern Soudan, 149-158; effect of cold on Moulting, 257; review of his 'Notes on a Collection of Birds from the Sudan,' 263; see also Bangs, Outram.
Philohela minor, 218.
Phlœotomus pileatus floridanus, 406.
 p. picinus, 407.
 p. pileatus, 223, 481.
 Phœbe, 102, 225, 482.
 Black, 171.
 Say's, 318.
Phœbetria, 526-534.
 palpebrata, 443, 444, 448, 450-452, 456, 457.
 p. palpebrata, 527.
 p. huttoni, 528.
 p. antarctica, 529.
 p. auduboni, 531.

- Phœbetria fusca*, 452, 453, 454, 457.
f. *campbelli*, 533.
f. *fusca*, 532.
fuliginosa, 532.
- Phrenopicus*, 407.
- Phyllastrephus strepitans fricki*, 408.
cerviniventris lönnbergi, 408.
placidus keniensis, 408.
chlorigula schusteri, 278.
- Phylloscopus collybita subsindianus*, 430.
- Pica pica hudsonia*, 319, 402, 547.
- Picumnus buffoni amazonicus*, 428.
- Pigeon, Passenger, 219, 358-362.
- Pinicola enucleator montana*, 321.
- Pintail, 100, 216.
- Pipilo erythrophthalmus cansater*, 115, 228.
e. *erythrophthalmus*, 228, 489.
maculatus montanus, 326.
m. *clementæ*, 125.
m. *curtatus*, 125.
m. *falcinellus*, 125.
m. *falcifer*, 124.
m. *megalonyx*, 124.
m. *oregonus*, 124.
- Pipit, 233, 329.
Sprague's, 404, 491.
- Piranga erythromelas*, 229.
ludoviciana, 328.
rubra rubra, 229.
- Pisobia maculata*, 76, 219, 495.
minutilla, 76, 219.
- Pitohui meeki, 133.
- Pitta superba*, 426.
- Pitylus nigriceps*, 408.
- Planesticus arthuri*, 558.
migratorius achrusterus, 235.
m. *migratorius*, 81, 235, 493.
m. *propinquus*, 332.
- Plectrophenax nivalis nivalis*, 80.
- Plegadis autumnalis*, 125.
- Ploceus interscapularis*, 282.
- Plover, Black-bellied, 105.
Golden, 255, 478.
- Plover, Upland, 76, 219, 404.
Semipalmated, 77.
Spur-winged, 155.
Stone, 155.
- Pluvianus ægyptius*, 154.
- Podager, 413.
- Podilymbus podiceps*, 74, 215, 395, 476.
- Pœtilodryas albonotata griseiventris*, 133.
- Pogonocichla cucullata helleri*, 265.
- Polioptila cærulea cærulea*, 235, 402, 493.
- Polyplectron, 415.
- Pomatorhinus haringtoni*, 426.
maccellandi odicus, 412.
ruficollis reconditus, 412.
- Poocetes gramineus confinis*, 323.
g. *gramineus*, 227, 485.
- Porzana carolina*, 15, 218, 256.
- Priocella glacialoides*, 448, 451, 453, 456, 457.
- Priofinus cinereus*, 443, 444, 446, 452, 453, 456, 457.
- Prion banksi*, 445-447, 449, 451-453, 456, 457.
- Proceedings of the Bavarian Ornithological Society, review of, 280, 561.
- Procellaria æquinoctialis*, 441, 443, 445-447, 450, 452, 456, 457.
- Progne subis subis*, 230, 490, 497.
- Proparus ripponi*, 275.
- Protonotaria citrea*, 103, 231.
- Prunella modularis obscura*, 428.
- Psaltriparus*, 499-525.
minimus californicus, 507, 509, 516, 525.
m. *minimus*, 506, 509, 510, 525.
plumbeus, 507, 520, 525.
melanotis lloydi, 522.
- Pseudogerygone flavilateralis lifuensis*, 268.
rouxi, 268.
- Psilopornis*, 406.

- Pterocnemia tarapacensis*, 276.
 t. garleppi, 276.
Pterythius xanthochloris occidentalis, 276.
 pallidus hybrida, 276.
 Publications Received, 134, 284-287, 432, 564.
Puffinus gravis, 453-455, 457.
 puffinus, 440, 443, 456.
 leucops nigroorbitalis, 133.
Pygoscelis papua, 446, 456.
Pyromelana flammiceps changamwensis, 116.
Pyrrhura albipectus, 408.
 QUAIL, California, 63.
 Gambel's, 63.
Querquedula discors, 75, 216.
Quiscalus quiscula æneus, 79, 227, 484.
 q. quiscula, 227.
 RAIL, King, 75, 218, 478.
 Louisiana Clapper, 363-384.
 Virginia, 75.
 Yellow, 218, 256.
Rallus crepitans saturatus, 363-384.
 elegans, 75, 218, 478.
 longirostris caribæus, 364, 366, 384.
 virginianus, 75.
 Ramsden, Charles T., capture of *Myiarchus crinitus* (Linn.) in eastern Cuba, 248; the Bobolink (*Dolichonyx oryzivorus*) as a conveyor of mollusca, 250; Swainson's Warbler in Cuba, 253.
 Raven, Northern, 545.
 Western, 547.
Recurvirostra americana, 314.
 Redpoll, 322.
 Redstart, 233.
 Red-wing, 79, 226, 414, 483, 537.
 Bicolored, 169, 171.
 Thick-billed, 209 321.
Regulus, 90.
 Regulus calendula calendula, 235, 332, 492.
 satrapa olivaceus, 404, 548.
 s. satrapa, 235, 492.
 Reichenow, A., review of his 'Die Vogel,' 261.
Remiza macronyx loudoni, 429.
 Revista Italiana di Ornitologia, review of, 280, 561.
 Revue Francaise d'Ornithologie, review of, 131, 280, 429, 559.
 Reynolds, Theo. E. W., Nuttall's Sparrow (*Zonotrichia leucophrys nuttalli*) wintering in King Co., Wash., 400.
 Rheinardus, 415.
Rhipidura setosa niveiventris, 426.
 tricolor, 267.
 Rhode Island, birds of, 245, 248, 249, 254.
Rhodophoneus, 281.
Rhynchophanes mecowni, 485.
Rhyticeros plicatus, 409.
 Ridgway, Robert, review of his 'The Birds of North and Middle America. Part VI,' 406.
 Rinker, G. C., some rare birds at Hamilton, Kansas, 104.
Riparia riparia, 80, 85.
 Roberts, Thomas S., Brewer's Blackbird (*Euphagus cyanocephalus*) breeding in southeastern Minnesota, 538.
 Robin, 81, 235, 493.
 Southern, 235.
 Western, 206, 332.
 Rockwell, R. B. and Wetmore, Alexander; a list of birds from the vicinity of Golden, Colorado, 309-333.
 Rook, 118.
Rubecula, 90.
Rubigula johnsoni, 283.
Ruticilla, 91.
 SAGE, John H., thirty-first stated

- meeting of the American Ornithologists' Union, 92-99; thirty-second stated meeting of the American Ornithologists' Union, 390-394.
- Sage, J. H. and Bishop, L. B., review of their 'The Birds of Connecticut,' 108.
- Salpinctes obsoletus obsoletus, 330.
- Salpornis salvadorii abyssinica, 127.
s. occidentalis, 276.
- Sandpiper, Least, 76, 219.
Pectoral, 76, 219, 495.
Red-backed, 105.
Semipalmated, 219.
Solitary, 76, 219.
Spotted, 76, 208, 219, 314, 478.
- Sapsucker, Williamson's, 316.
Yellow-bellied, 223, 480.
- Sarasin, Fritz, review of his 'Birds of New Caledonia,' 268.
- Saunders, Aretas A., an ecological study of the breeding birds of an area near Choteau, Mont., 200-210; the Rusty Blackbird (*Euphagus carolinus*) in Connecticut in winter, 250; Blue-Gray Gnatcatcher (*Poliopitila cærulea*) at West Haven, Conn., 402.
- Saunders, W. E., the Tufted Tit — a new record for Canada, 402.
- Sauromarptis, 399.
- Sayornis nigricans, 171.
phœbe, 102, 225, 482.
sayus, 318.
- Saxicola dacotiae murielæ, 128.
- Schorger, A. William, unusual occurrences at Madison, Wis., 256.
- Selater, Philip Lutley, in memoriam, 1-12.
- Seiurus aurocapillus, 232.
- Seiurus motacilla, 232.
noveboracensis noveboracensis, 546.
n. subsp., 232.
- Sericornis arfakiana oorti, 133.
- Sericornis insularis, 129.
meeki, 133.
- Setochalcis, 413.
- Setophaga ruticilla, 233.
- Shelford, V. E., review of his 'Animal Communities in Temperate America,' 120.
- Shiras, George, 3rd, notice of his 'Necessity for and Constitutionality of the Act of Congress Protecting Migratory Birds,' 554.
- Shoe-bill, 153.
- Shoveller, 75, 314.
- Shrike, California, 169, 171.
Loggerhead, 230.
Migrant, 80.
Northern, 328.
White-rumped, 490.
- Shufeldt, R. W., extreme emaciation in a specimen of the Snowy Owl (*Nyctea nyctea*), 247; researches of Gerhard Heilmann on the origin of birds, 287; osteology of the Passenger Pigeon (*Ectopistes migratorius*), 358-362; unusual behavior of a Ruby-throated Hummingbird (*Archilochus colubris*), 536; review of his 'Fossil Feathers and some heretofore undescribed Fossil Birds,' 116; notice of his 'Extinct Ostrich Birds of the United States,' 269.
- Sialia sialis sialis, 81, 235, 333, 493.
mexicanus bairdi, 333.
currucoides, 333, 493.
- Siberia, birds of, 408.
- Sicalis flaveola, 461.
- Simmons, George Finlay, notes on the Louisiana Clapper Rail (*Rallus crepitans saturatus*) in Texas, 363-384.
- Siskin Pine, 322.
- Sitta carolinensis atkinsi, 234, 498.
c. carolinensis, 492.
c. nelsoni, 331.

- Sitta canadensis*, 253, 331.
 pusilla, 234.
 pygmæa pygmæa, 331.
Siva cyanuroptera oatsi, 275.
Skua, Antarctic, 440.
Smithornis, 557.
Snipe, Wilson's, 218, 478.
Solitaire, Townsend's, 332, 548.
Somateria dresseri, 14.
 mollissima, 16.
 m. borealis, 14.
 m. brittanica, 259.
Sora, 75, 218, 256.
Soudan, 149.
South Australian Ornithologist, re-
 view of, 267, 428, 559.
South Carolina, birds of, 114, 248.
Sparrow, Bachman's, 228, 546.
 Brewer's, 324.
 Chipping, 228, 488.
 Clay-colored, 203.
 English, 80, 169, 171, 227, 252,
 323.
 Field, 228, 488.
 Fox, 102, 228, 489.
 Gambel's, 323.
 Grasshopper, 228.
 Harris's, 403, 486.
 Lark, 545.
 LeConte's, 256, 486.
 Lincoln's, 326, 489, 542.
 Mountain Song, 326.
 Nevada Savannah, 542.
 Nuttall's, 400.
 Savannah, 227, 497.
 Song, 80, 228, 488.
 Swamp, 80, 228.
 Tree, 487.
 Vesper, 227, 485.
 Western Chipping, 206, 324.
 Western Grasshopper, 80, 323,
 486.
 Western Henslow's, 80.
 Western Lark, 323, 486.
 Western Savannah, 202, 323,
 485.
Sparrow, Western Tree, 324.
 Western Vesper, 203, 323.
 White-crowned, 323, 487.
 White-throated, 228, 487.
Spatula clypeata, 75, 314.
Spaulding, Fred. B., obituary of,
 142.
Speotyto cunicularia hypogæa, 171,
 480.
 c. punensis, 408.
Sphyrapicus thyroideus, 316.
 varius varius, 223, 480.
Spinus pinus, 322.
Spiza americana, 80, 229, 489.
Spizella breweri, 324.
 monticola monticola, 487.
 m. ochracea, 324.
 passerina arizonæ, 324.
 p. passerina, 228, 488.
 pusilla pusilla, 228, 488.
Spizixus canifrons ingrami, 412.
Squatarola squatarola, 105.
 s. cynosuræ, 409.
Stachyris nigriceps coltarti, 275.
Stanford, Harry P., Willow Ptarmigan in Montana, 399.
Starling, 249.
Stelgidocichla latirostris pallida,
 408.
 l. saturata, 408.
Stelgidopteryx serripennis, 230.
Stercorarius parasiticus, 440, 456.
Sterna antillarum, 216.
 bergii thalassina, 409.
 dougalli, 41.
 hirundo, 41.
 paradisæa, 444, 451, 456.
 sumatrana mathewsi, 409.
Stigmatops monticola, 409.
Stone, Witmer, the identity of
 Hypodes cinerea Cassin, 255.
Stone-chat, 151.
Stork, Hammer-head, 154.
 Whale-headed, 153.
Streptoceryle, 407.
Stresemann, Erwin, review of his

- 'Birds of Ceram,' 409; notice of his paper on early accounts of Birds of Paradise, 417.
- Strix varia alleni*, 222.
v. *varia*, 480.
- Strong, R. M., on the habits and behavior of the Herring Gull, *Larus argentatus* Pont. 22-49, 178-199; Albatross specimens, 136; teaching a bird course, 137.
- Sturnella magna argutula*, 226, 540.
m. *magna*, 226, 483, 540.
neglecta, 79, 169, 171, 321, 417-419, 484.
- Sturnus vulgaris*, 249.
- Subglareola, 267.
- Swallow, Bahama, 401.
Bank, 80, 85.
Barn, 80, 230, 328, 490.
Cliff, 80, 171, 328, 490.
Coahuila Cliff, 401.
Northern Violet-green, 328.
Rough-winged, 230.
Tree, 80, 85, 230, 490.
- Swarth, Harry S., the California forms of the genus *Psaltriparus*, 499-525; review of his 'A Study of a Collection of Geese of the *Branta canadensis* group from the San Joaquin Valley,' 264; review of his 'Distributional List of Arizona Birds,' 551; see also, Grinnell, Joseph.
- Swift, Black, 425.
Chimney, 78, 545.
White-throated, 318.
- Sylvietta leucophrys keniensis*, 265.
brachyura tavetensis, 265.
whytii abayensis, 265.
- TACHYCINETA *thalassina lepida*, 328.
- Tanager, Scarlet, 229.
Silver-billed, 442.
Summer, 229.
Western, 328.
- Tanagra sclateri*, 458.
- Tangara aurlenta goodsoni*, 276.
- Taverner, P. A., a new subspecies of *Dendragapus (Dendragapus obscurus flemingi)* from southern Yukon Territory, 385-388.
- Teal, Blue-winged, 75, 216.
Green-winged, 216, 477.
- Telmatodytes palustris iliacus*, 81, 234.
- Tern, Black, 74.
Least, 216.
Roseate, 41.
Wilson's, 41.
- Texas, 363-384, 401.
- Thalassoca antarctica*, 448, 452, 456, 457.
- Thalassogeron chlororhynchus*, 443, 456, 457.
culminatus, 445-447, 450-453, 456, 457.
- Thamnolæa cinnamomeiventris sambaræ*, 279.
- Thamnomanes perusianus*, 428.
- Thamnophilus æthiops kapouini*, 280.
- Thayer, John E., the Coahuila Cliff Swallow (*Petrochelidon fulva pallida*) in Texas, 401.
- Thayer, John E. and Bangs, Outram, review of their 'Notes on the Birds and Mammals of the Arctic Coast of East Siberia,' 408.
- Thick-knee, African, 155.
- Thrasher, Brown, 81, 233, 256, 491.
Sage, 330.
- Thrush, Hermit, 235, 493.
Olive-backed, 235, 332, 546, 548.
Sierra Hermit, 404.
Wood, 235, 498.
- Thryomanes bewicki bewicki*, 234.
b. *cryptus*, 491.
- Thryothorus ludovicianus ludovicianus*, 234, 491.
- Thurston, Henry, a correction, 106.

- Timor, 268.
- Tinamus, 283.
 tao septentrionalis, 284.
 robustus inexpectatus, 284.
- Tinker, A. D., notes on the ornithology of Clay and Palo Alto counties, Iowa, 70-81.
- Titmouse, Tufted, 234, 402, 492.
- Tityra semifasciata *esmeraldæ*, 408.
- Todd, W. E. Clyde, review of his 'Preliminary Diagnoses of Apparently New Birds from Tropical America,' 113.
- Totanus *flavipes*, 76, 85.
 melanoleucus, 76, 219, 478.
- Towhee, 228, 489.
 Alabama, 228.
 Spurred, 326.
 Green-tailed, 327.
- Townsend, Charles W., a plea for the conservation of the Eider, 14-21.
- Toxostoma *rufum*, 81, 233, 256, 491.
- Tragopan, 415.
- Trevor-Battye, Aubyn, review of his 'Camping in Crete,' 118.
- Tringa *canutus*, 105.
- Trochalopteron *erythrocephalum*.
 goodwini, 276.
 canorum, 461, 462.
- Troglodytes *aëdon parkmani*, 81, 330.
- Trotter, Spencer, the Bobolink breeding in southeastern Pennsylvania, 400.
- Turdinulus *brevicaudus venningi*, 128.
 epilepidotus bakeri, 128.
- Turkey, Wild, 219, 334-358, 463-473, 478.
- Turnstone, Ruddy, 105, 399.
- Turtur *isabellinus*, 150.
- Tyler, John G., review of his 'Some Birds of the Fresno District, California,' 109.
- Tyler, Winsor M., notes on nest life of the Brown Creeper in Massachusetts, 50-62; two Prothonotary Warblers in Massachusetts, 103.
- Tympanuchus *americanus americanus*, 77, 85, 478.
- Tyrannus *tyrannus*, 78, 225, 482.
 verticalis, 78, 169, 171, 248, 318.
- Tyto *galei*, 428.
- VENEZUELA, 407.
- Verdin, San Lucas, 543.
- Vermivora *bachmani*, 231.
 celata celata, 329.
 c. lutescens, 329.
 peregrina, 103.
 pinus, 231.
 virginiae, 328.
- Vireo *griseus griseus*, 231, 490.
 belli belli, 491, 542.
 chivi vividior, 280.
- Vireo, Bell's, 491, 542.
 Blue-headed, 231.
 Red-eyed, 210, 230.
 Warbling, 80, 210.
 Western Warbling, 328.
 White-eyed 231, 490.
 Yellow-throated, 230.
- Vireosylva *gilva gilva*, 80.
 g. swainsoni, 328.
 olivacea, 230.
- Vulture Black, 220, 403, 479.
 Turkey, 101, 220, 255, 315, 479, 536, 544.
- WAGTAIL, White, 151.
- Wallace, Alfred Russell, obituary of, 138.
- Walpole-Bond, John, review of his 'Field Studies of Some Rarer British Birds,' 416.
- Warbler, Audubon's, 329.
 Bachman's, 231.
 Bay-breasted, 81.
 Black and White, 81, 231.

- Warbler, Blackpoll, 232, 498.
Black-throated Green, 232.
Blackburnian, 232.
Blue-winged, 231.
Cairns', 546.
Canada, 253.
Cape May, 546.
Cerulean, 231.
Chestnut-sided, 232.
Hooded, 104, 233.
Kentucky, 232.
Lutescent, 329.
Macgillivray's, 329.
Magnolia, 231, 253, 498.
Mourning, 103, 546.
Myrtle, 86, 231, 329, 491.
Northern Parula, 86, 491.
Orange-crowned, 329, 498.
Palm, 232.
Parula, 231, 498.
Pine, 232.
Prairie, 232.
Prothonotary, 103, 231.
Swainson's, 231, 253.
Tennessee, 103.
Virginia's, 328.
Wilson's, 81.
Worm-eating, 231.
Yellow, 81, 206, 231, 329.
Yellow-throated, 232.
- Warbler, The, review of, 125.
- Warren, B. H., Evening Grosbeaks in Pennsylvania, 400.
- Warren, Edward R., Harlequin Duck in Glacier National Park, Montana, 535; some winter notes from the Yellowstone National Park, 546; see also Aiken, Chas. E. H.
- Warren, H. E., review of his paper on the economic value of South African birds, 120.
- Washington, birds of, 400.
- Water-Thrush, 232, 546.
Louisiana, 232.
- Water-Turkey, 216.
- Waxwing, Bohemian, 328, 402.
Cedar, 206, 230, 490.
- Wayne, Arthur T., a second North Carolina record for Lincoln's Sparrow (*Melospiza lincolni lincolni*), 542.
- Weaver, Small Red, 157.
- Webster, F. M., notice of his paper on bird enemies of *Diabrotica*, 120.
- West Virginia, birds of, 112, 544.
- Wetmore, Alexander, the development of the stomach in the Euphonias, 458-460.
- Whale-bird, 445.
- Wheatear, Isabelline, 151.
- Whydah, Paradise, 157.
- Widgeon, 477.
European, 243, 397.
- Willet, 100, 105.
- Williams, R. W., the White-winged Crossbill (*Loxia leucoptera*) in the District of Columbia, 251; notes on the birds of Leon County, Florida — third supplement, 494-498.
- Wilson Bulletin, The, review of, 125, 274, 426, 556.
- Wilson Ornithological Club, annual meeting of, 290.
- Wilsonia canadensis, 253.
citrina, 104, 233.
pusilla pusilla, 81.
- Wisconsin, birds of, 256, 542.
- Witherby, H. F., review of his 'Sequence of Plumages of the Rook,' 118.
- Wood, N. A., review of his 'Breeding Birds of the Charity Islands,' 115.
- Woodcock, 218, 398.
- Woodpecker, Batchelder's, 316.
Downy, 78.
Hairy, 480, 545.
Ivory-billed, 480.
Lewis's, 317.

- Woodpecker, Pileated, 223, 481.
 Red-cockaded, 223.
 Red-headed, 224, 317, 481.
 Rocky Mountain Hairy, 316.
 Red-bellied, 224, 403, 481.
 Southern Downy, 223, 480.
 Southern Hairy, 223.
- Wren, Bewick's, 234.
 Cañon, 330.
 Carolina, 234, 491.
 Long-billed Marsh, 234.
 Prairie Marsh, 81.
 Rock, 330.
 Short-billed Marsh, 81, 234,
 253.
 Texas Bewick's, 491.
 Western House, 81, 330.
 Winter, 234, 492, 548.
- Wren-Tit, 125.
- Wright, Albert Hazen, early records
 of the Wild Turkey, 334-358,
 463-473.
- Wright, A. H., and Allen, A. A.,
 notice of their 'Field Note Book
 of Birds, 417.
- Wright, Horace W., Acadian Chick-
 adees (*Penthestes hudsonicus lit-
 toralis*) in Boston and vicinity in
 the fall of 1913, 236-242; Star-
 lings (*Sturnus vulgaris*) in Cam-
 bridge, Mass., 249; Glaucous
 Gull (*Larus hyperboreus*) on Fresh
 Pond, Cambridge, Mass., 397;
 European Widgeon (*Mareca pene-
 lope*) at Boston, Mass., 397.
- XANTHOCEPHALUS **X**xanthocephalus,
 79, 320, 402. ■
- Xema sabini, 105. ■
- Xenocichla flavicollis soror, 279.
- Xenopicus albolarvatus, 406.
 a. gravirostris, 406.
- Xenops, 408.
- Xenos, 409.
- Xenus, 409.
- YALAVIS tenuipes, 116.
- Yellow-legs, 76, 85.
 Greater, 76, 219, 478.
- Yellow-throat, Florida, 232.
 Maryland, 81, 491.
 Western, 329.
- Yukon Territory, 385.
- Yunnan, birds, of, 412.
- ZAMELODIA ludoviciana, 80, 102,
 229.
 melanocephala, 327.
- Zenaida jessicæ marajœnsis, 131.
- Zenaidura macroura marginella,
 315, 479.
 m. carolinensis, 77, 220.
- Zonotrichia albicollis, 228.
 leucophrys gambeli, 323.
 l. leucophrys, 323, 487.
 l. nuttalli, 400.
- Zosterops admiralitatis, 426.
 lateralis nigrescens, 268.
 obstinatus seranensis, 409.
 o. ternatanus, 409.
 senegalensis fricki, 265.
 virens garguensis, 265.