

INDEX TO VOLUME XXXVI.

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

- ACANTHIS, 62, 80.
 hornemanni exilipes, 272.
 linaria, 255.
 l. linaria, 521.
 l. exilipes, 272.
Acanthiza nana dawsoniana, 143.
 pusilla peroni, 310.
Acanthopneuste borealis kennicotti, 407.
Accipiter beniensis, 443.
 cooperi, 52.
 gentilis atricapillus, 613.
 nisus nisus, 510.
 velox, 15, 52, 61, 400.
Accipitridæ, 569.
Acmonorhynchus affinis, 442.
Aerocephalus schœnobænus, 500.
Actitis hypoleucas, 512.
 macularia, 12, 61, 348, 399.
Æchmophorus occidentalis, 7, 64, 264.
Ægialitis meloda, 39, 399, 517, 566.
 microrhynchus, 559.
 nivosa, 39, 399.
 semipalmata, 52, 399.
Ægithalos caudatus, 501.
 c. pyrenaicus, 310.
Æpyornis maximus, 611.
Æstrelata fisheri, 271.
 gularis, 267.
 scalaris, 271.
Agelaius icterocephalus, 197.
 phœniceus, 197.
 p. arctolegus, 269.
 p. floridanus, 54, 402.
 p. fortis, 253.
 p. megapotamus, 611.
 p. phœniceus, 253, 387.
 thilius, 197.
 tricolor, 197.
Agyrtria fimbriata fimbriata, 221.
 tobaci, 221.
Aix sponsa, 51.
Ajaia ajaja, 565, 566.
Alabama, birds of, 584.
Alabama Bird Day Book, noticed, 606.
Alaska, birds of, 57-64.
Alauda arvensis arvensis, 508.
 minor, 469.
Albatross, Galapagos, 370-372.
Alberta, birds of, 1-21, 248-265, 424.
Alcedo coltarti, 310.
 grandis, 442.
 ispida ispida, 509.
 megalia, 442.
 meninting, 310.
 scintillans, 310.
Alcella, 596.
Alexander, E. Gordon, hybrid warbler in Missouri, 579.
Alle, 596.
Allen, Francis H., the Short-eared Owl in Massachusetts in summer, 109; the æsthetic sense in birds as illustrated by the Crow, 112-113; the Blue-winged Warbler near Boston, 292; the evolution of bird song, 528-536.
Allen, Glover M., three interesting Great Horned Owls from New England, 367-370.
Alterapus, 129.
Aluco pratincola, 400.
Amazilia, 302.
Amblyramphus holosericeus, 197.

- American Ornithologists' Union,
notice of thirty-sixth stated meet-
ing of, 90-99; announcement of
thirty-seventh stated meeting,
453, 635; geographical distribu-
tion of membership, 323; life
members of, 157.
- American Society of Mammalogists,
notice of organization, 451.
- Amizilis, 302.
- Ammodramus savannarum bimacu-
latus, 287.
- Anabazenops variegaticeps, 273.
- Anas boschas, 313, 616.
fulvigula fulvigula, 397.
penelope, 471.
platyrhynchos, 8, 50, 397, 511.
rubripes, 50.
rubripes tristis, 560.
superciliosa perena, 599.
undulata, 612.
- Andrews, Roy Chapman, personal
mention, 321.
- Andriopsar gularis gularis, 196.
g. tamaulipensis, 196.
g. yucatanensis, 196.
- Anhinga anhinga, 283.
- Anser albifrons, 10.
- Anseranas semipalmata, 562.
- Anthus rubescens, 56, 63, 262, 404,
406.
spinoletta japonicus, 443.
s. rubescens, 406.
spraguei, 262.
trivialis trivialis, 507.
- Antrostomus carolinensis, 386, 401.
vociferus vociferus, 519.
- Aphelocoma californica oocleptica,
269.
c. obscura, 272.
c. woodhouseii, 272.
obscura, 272.
woodhouseii, 272.
- Apus apus apus, 508.
- Aquila chrysaetos, 18, 61, 265, 293,
421.
- Aquilidæ, 569.
- Ara chloroptera, 131.
- Aramidica cajanea grahami, 309.
- Arboricola rufogularis annamensis,
612.
brunneipectus albigula, 612.
- Archibuteo, 282, 420.
ferrugineus, 17.
lagopus 17.
l. sanctijohannis, 61, 568.
- Archilochus, 250.
colubris, 37, 401.
- Ardea cinerea, 510.
herodias, 11, 264.
h. herodias, 51, 398.
'Ardea,' reviewed, 143, 616.
- Arenaria interpres morinella, 105,
400.
- Argentina, birds of, 438.
- Aristonetta, 267, 462.
valisineria, 267.
- Arkansas, birds of, 71, 251.
- Arnold, W. W.; maggot infested
birds, 147-148.
- Arremon rubrirostris, 602.
- Asio flammeus, 20, 40, 109, 284, 400.
f. brevauris, 304.
f. bogotensis, 304.
f. sanfordi, 304.
wilsonianus, 20, 70, 109, 283.
- Astragalinus psaltria mexicanus,
469.
tristis tristis, 255, 402.
- Astur atricapillus, 15.
a. atricapillus, 293.
tachiro tenebrosus, 443.
- 'Audubon Bulletin, The,' noticed,
606.
- Audubon, J. J., bibliography of,
372-380; note on his Labrador
trip, 424; portrait of, 617.
- 'Auk, The,' complete sets of, 634.
- Australia, birds of, 129, 299, 418,
604, 661.
- Automolus infuscatus, 219.
cervicalis, 219.

- leucophthalmus **bangsi**, 540.
sclateri, 119.
- 'Avicultural Magazine,' The, reviewed, 141, 310, 614.
- Avocet, American, 12.
- Aythya, 463.
- BÆOLOPHUS**, bicolor, 56, 524.
- Bagg, Aaron C., Arctic Three-toed Woodpecker at Southampton, Mass., 421.
- Bailey, Florence Merriam, In memorandum: Olive Thorne Miller, 163-169.
- Bailey, Vernon, and Florence M., review of their 'Wild Animals of Glacier National Park,' 434.
- Baird, Cassin and Lawrence, 'Birds of North America,' 428-430.
- Baldpate, 9, 277.
- Ball, Alice E., review of her 'A Year with the Birds,' 435.
- Bangs, Outram, notice of recent papers by, 304; personal mention, 452.
- Bangs, Outram, and Penard, Thomas E., review of their 'Some Critical Notes on Birds,' 601.
- Bangsia, 539.
arcae arcae, 539.
a. caeruleigularis, 539.
aureocincta, 539.
edwardsi, 539.
melanochlamys, 539.
rothschildi, 539.
- Barbour, T., Evening Grosbeak about Beverly Farms, Mass., 572.
- Barnes, Claude T., Roseate Spoonbill in Utah, 565.
- Bartramia longicauda, 12, 265, 516, 567.
- Basileuterus belli belli, 469.
culocivorus brasherii, 469.
- Beebe, William, review of his 'A Monograph of the Pheasants,' 119-125; review of his 'Jungle Peace,' 130; review of his 'Tropical Wild Life,' 217-225; personal mention, 321.
- Bent, A. C., geographical variation in the Black-throated Loon, 238-242; review of his 'Life Histories of North American Birds. Diving Birds Pygopodes,' 593-595.
- Bergtold, W. H., the Crow in Colorado, 198-205.
- Bhringa remifer peracensis, 310.
- Bicknell, Eugene P., the Short-eared Owl breeding in Massachusetts, 'Bird Notes and News' noticed, 606.
- 'Bird-Lore,' reviewed, 138, 307, 439, 610.
- Bittern, American, 11, 44, 100.
- Blackbird, 498.
Brewer's, 254.
Red-winged, 253, 387.
Rusty, 42, 62, 254.
Yellow-headed, 253, 520.
- Blackcap, 500,
- Blackwelder, Eliot, notes on the summer birds of the upper Yukon region, Alaska, 57-64.
- Blain, Merrill Willis, obituary notice of, 629,
- Blasipus, 596.
- Bluebird, 56, 342, 405, 473, 524.
Mountain, 263.
- Bobolink, 342, 430.
- Bob-white, Florida, 400.
- Bogardus, Charlotte, Upland Plover in New York, 567.
- Bolivia, birds of, 438, 599.
- Bombycilla cedrorum, 259, 523.
garrula, 259.
- Bonasa umbellus, 13, 264, 517.
u. umbellus,
- Botaurus lentiginosus, 11.
- Bourne, Thos. L., notes on migratory Anatidæ and Limicolæi from western New York, 102-104;

- two recent records of the Horned Lark in western New York, 570.
- Bowdish, B. S., see Philipp, P. B.
- Brachospiza capensis*, 610.
- Branta canadensis*, 10, 515.
c. *hutchinsi*, 61.
- Brasil, Louis, obituary notice of, 449.
- Brewster, William, notice of death of, 628.
- 'British Birds,' reviewed, 141, 310, 441, 613.
- British Columbia, birds of, 64-74, 424.
- British Guiana, 217-225, 564.
- British Ornithologists' Club, review of the 'Bulletin' of the, 141, 310, 612.
- Brooks, W. Sprague, two interesting additions to the collection of the Boston Society of Natural History, 589; Wood Ibis in Massachusetts, 565.
- Brotogeris ferrugineifrons*, 110.
- Brown, Nathan Clifford, Evening Grosbeaks, at Lakewood, N. J., 573.
- Brown, Thomas, illustrations to Wilson's Ornithology, 623.
- Bryant, Harold C., see Grinnell, Joseph.
- Bubo virginianus*, 21, 265.
v. *heterocnemis*, 367-368.
v. *saturatus*, 62.
v. *subarcticus*, 369.
v. *virginianus*, 53, 519.
v. *wapacuthu*, 368-369.
- Bucco maculatus*, 286.
- Buceros semigaleatus*, 443.
- Buffle-head, 10.
- Bullfinch, 506.
- Bunker, C. D., Harris's Hawk (*Parabuteo unicinctus harrisi*) in Kansas, 283.
- Bunting, Cirl, 507.
Common, 507.
Indigo, 403.
- Painted, 389, 403.
Reed, 507.
Snow, 38, 473, 484.
- Burleigh, Thomas D., bird life in south-western France, 497-513.
- Buteo*, 61, 569.
abbreviatus, 568.
albicaudatus, 567.
augur, 420.
borealis borealis, 15, 52.
b. calurus, 16, 67.
b. krideri, 16.
buteo buteo, 510.
desertorum, 290, 420.
ferox, 420.
jakal archeri, 310.
lagopus lagopus, 420.
leucocephalus, 420.
lineatus alleni, 52.
platypterus, 53, 265, 485, 568.
p. iowensis, 272.
swainsoni, 17, 69, 517.
- Buteonidæ, 569.
- Buthraupis*, 536-540.
cucullata cucullata, 538.
c. cyanonota, 538.
c. gigas, 538.
c. saturata, 538.
montana, 538.
- Butorides virescens*, 588.
v. *virescens*, 384.
- Buzzard, Common, 510.
Turkey, 14.
- CACOMANTIS castaneiventris*, 130.
pyrrhophanus vidgeni, 300.
rubricatus eyeri, 130.
- Calcarius lapponicus*, 255, 521.
l. alasensis, 62.
ornatus, 255.
pictus, 62.
- Calidris*, 471, 613.
alba, 596.
leucophæa, 596.
- 'California Fish and Game,' noticed, 607.

- California, birds of, 437, 607.
California Academy of Sciences,
notice of, 320.
Called to the Colors, 158.
Callocalia vestita ænigma, 303.
Campephilus malherbii, 286.
Campethera punctata, 303.
 punctuligera, 303.
Canachites canadensis canace, 37.
Canutus, 596.
Canvas-back, 9, 397, 463.
Caprimulgus affinis propinquus,
 303.
 binotatus, 304.
 europæus europæus, 508.
 eximius, 129.
 maerurus, 129.
 nigrescens, 222.
Cardellina rubrifrons, 469.
Cardinal, 55, 388.
 Florida, 403.
Cardinalis cardinalis cardinalis, 55,
 388.
 c. floridanus, 403.
Carduelis carduelis carduelis, 505.
Carpodacus purpureus, 254.
 p. purpureus, 346, 521.
Carpophaga, 312.
Casarca ferruginea, 561.
Casmerodius albus egretta, 557.
 a. albus, 558.
 a. syrmatophora, 558.
 a. timoriensis, 558.
'Cassinia' for 1918, reviewed, 602.
Cataponera abditiva, 303.
Catbird, 262, 405, 479.
Catharacta, 418.
 antarctica, 418.
 chilensis, 418.
 lonnbergi, 418.
 maccormicki, 418.
 skua, 418.
Catharista urubu, 52, 400.
Cathartes aura, 14, 313.
 a. septentrionalis, 517, 567.
Catherpes mexicanus albifrons, 469.
Catoptrophorus semipalmatus, 12.
 s. semipalmatus, 385.
 s. inornatus, 52, 399.
Celebes, birds of, 302, 599.
Celebesia abbotti, 303.
Centropelma micropterus, 597, 610.
Centurus carolinus, 53, 401.
Cercomacra tyrannina atrogularis,
 313.
Certhia brachydactyla americana,
 273.
 familiaris, 502.
 f. americana, 56, 273.
Ceryle americana americana, 218.
 alcyon, 248, 401.
 a. alcyon, 53, 62.
Cettia cetti cetti, 500.
Chæmepelia arthuri, 221.
 passerina terrestris, 385, 400.
 rufipennis, 221.
 talpacoti, 221.
Chætura chapmani, 302.
 pelagica, 401.
Chæturellus, 129.
Chæturinæ, classification of, 129.
Chaffinch, 506.
Chamæpetes, 439.
 goudotii antioquiiana, 309.
Chamæthlypis, 290.
Chapman, F. M., review of his
 'Our Winter Birds,' 137.
Charadrius, 596.
 cucullatus, 279.
 dominicus, 13, 265.
 dubius curonicus, 559.
 d. dubius, 559.
 hiaticula hiaticula, 512.
 rubricollis, 279.
Charitonetta, albeola, 10.
Chasiempis sanwicensis, 25.
 gayi, 26.
 slateri, 27.
Chat, Yellow-breasted, 397.
Chaulelasmus streperus, 9, 50, 313,
 397, 616.
Check-Lists, 155.

- Chelidon urbica urbica*, 504.
Chen caerulescens, 562.
 hyperboreus, 10, 262, 515, 562.
 rossi, 562.
 Chicago Ornithological Society, notice of, 158.
 Chickadee, 479, 524.
 Acadian, 43, 481.
 Carolina, 56, 590.
 Hudsonian, 63, 263.
 Long-tailed, 263.
 Short-tailed Mountain, 424.
 Chicken, Prairie, 13.
 Chlidonia, 596.
 Chlidonias, 596.
 Chloris chloris chloris, 505.
 Chloronerpes rubiginosus, 218.
 yucatanensis, 286.
 Chlorophoneus andaryæ, 613.
 Chondestes grammacus, 256.
 Chordeiles virginianus, 250.
 v. chapmani, 401.
 v. virginianus, 62, 519.
 Chroicocephalus, 596.
 Chubb, Charles, review of his 'Notes on Collections in the British Museum, from Ecuador, Peru, Bolivia and Argentina Part I,' 438; Part II, 599.
 Chubb, S. Harmsted, Nashville Warbler (*Vermivora ruficapilla*) in New York in winter, 293; the Cerulean Warbler in the Catskills, 582.
 Chuck-will's-widow, 386, 401.
 Cinclodes **neglectus**, 89.
 Cinnyris ornata microleuca, 600.
 osea butleri, 140.
 Circus æruginosus, 510.
 cyaneus, 82, 510.
 c. hudsonius, 82.
 hudsonius, 15, 37, 52, 61, 67, 82, 400, 517.
 Cissilopha samblasiana nelsoni, 602.
 Cisticola erythropus roseires, 140.
 e. zwaiensis, 140.
Cistothorus stellaris, 524, 583.
Clangula clangula americana, 37.
Climacteris erythropus parsonsi, 441.
Clypeicterus, 191.
Cnemathraupis, 538.
 eximia chloronota, 538.
 e. eximia, 538.
Cnemoscopus, 602.
 Coale, H. K., Magpie (*Pica pica hudsonia*) in northeastern Illinois, 113.
Coccyzus americanus americanus, 100, 386.
Colaptes auratus, 250, 236.
 a. auratus, 53, 386, 401.
 a. borealis, 250.
 a. luteus, 62, 518, 570.
 cafer, 250.
 collaris, 236.
 hybridus, 236.
Colinus virginianus floridanus, 400.
 Collinge, W. E., review of his papers on economic ornithology, 136; review of his 'Some Further Investigation on the Food of Wild Birds,' 609.
 Colombia, 439.
 Colorado, birds of, 198-205, 422.
Columba palumbus palumbus, 511.
 plumbea plumbea, 217.
Colymbus auritus, 7, 50, 60, 170-180, 264, 394.
 holbcelli, 7, 64.
 nigricollis, 7.
 Compothlypidæ, 442.
Compsothlypis americana americana, 390, 404.
 a. usneæ, 43.
 'Condor, The,' reviewed, 138, 308, 440, 611; notice of the Second Ten Year Index, 598.
 Connecticut, birds of, 104, 105, 114, 158, 572.
 Coot, 103, 104, 398, 511.
 American, 11, 102.
Cophixus, 313.

- Coprotheres, 596.
Coracornis raveni, 303.
Cormorant, Double-crested, 8, 100,
264, 514.
Florida, 396, 597.
Corvus affinis, 310, 312.
americanus, 199.
brachyrhynchus, 312, 520.
b. brachyrhynchus, 112, 198-
205, 252.
b. caurinus, 84.
b. hesperis, 84, 198.
b. pascuus, 54.
caurinus, 84.
corax, 252.
c. europhilus, 269, 293.
c. principalis, 62, 572.
cornix judaeus, 612.
corone corone, 503, 609.
frugivorus, 199.
ossifragus, 54, 84, 402, 588.
rhipidurus, 310.
Cory, C. B., descriptions of new
birds from South America, 88-89;
new forms of South American
birds and proposed new subgen-
era, 273-276; three new birds
from South America; 540-541.
Coturnicops noveboracensis, 264.
Cowbird, 253, 307, 474, 520, 588.
Crandall, Lee S., Sarcidiornis sylvi-
cola in Venezuela, 419.
Crane, Little Brown, 61.
Sandhill, 65, 264, 516.
Whooping, 264.
Crateropus tenebrosus claudei, 613.
Creciscus coturniculus, 268.
jamaicensis coturniculus, 268.
viridis, 222.
Creeper, Brown, 56, 482.
Tree, 502.
Crocethia, 613.
Crossbill, 38.
American, 255.
Crow, 112, 252, 307, 473, 484, 520.
Carrion, 503.
Fish, 54, 402, 588.
Florida, 54.
Cryptoglaux acadica, 21.
a. acadica, 518.
Cryptolopha castaneiceps annemen-
sis, 612.
malcomsmithi, 612.
nesophila, 303.
tephrocephala occularis, 612.
Crypturus, 223-225.
garleppi affinis, 309.
variegatus, 225.
Cuckoo, 510.
Black-billed, 477.
Yellow-billed, 100, 386.
Cuculus canorus bangsi, 442.
c. canorus, 510.
minor, 442.
orientalis, 569.
honoratus, 569.
scolopaceus, 569.
niger, 569.
Culver, D. E., Duck Hawks winter-
ing in the center of Philadelphia,
108.
Curæus aterrimus, 197.
Curlew, Long-billed, 13.
Cyanerpes cyaneus cyaneus, 222.
Cyanocitta cristata, 251.
c. cristata, 387, 422, 572.
c. florincola, 54, 401.
Cyanolaimus clemenciæ bessophilus,
139, 368.
Cyanops duvaceli robinsoni, 310.
franklini auricularis, 612.
oorti annemensis, 612.
Cygnus, 563.
Cyornis magnirostris cœrulifrons,
141.
Cypseloides fumigatus, 218.
DAFILA acuta, 9, 51, 60, 616.
Dandalus rubecula rubecula, 499.
De Fenis, M. F., review of his 'Con-
tribution à L'Étude des Cris des
Oiseaux dans ses Rapports avec

- la Musique, ' 300.
- Delaware Valley Ornithological Club, annual meeting of, 324; 'Proceedings' reviewed, 602.
- Dendragapus obscurus richardsonii*, 65.
- Dendrobiastes hyperythra annemensis*, 612.
- Dendrocincla bartletti*, 310.
fuliginosa wallacei, 310.
lafresnayei christiani, 601.
- Dendrocolaptes picumnus, cearensis*, 541.
- Dendrocygna*,
- Dendroica*, 225-228.
aestiva aestiva, 39, 260.
a. amnicola, 270.
a. rubiginosa, 63.
bryanti, 85.
b. castaneiceps, 85.
caerulescens caerulescens, 226, 348, 523, 579.
castanea, 43, 340, 343, 345.
coronata, 55, 63, 260, 340, 341, 404, 581.
c. hooveri, 273.
cerulea, 582.
discolor, 391, 404, 589.
dominica, 580, 588.
d. dominica, 55, 404.
erythacorides, 85.
fusca, 343.
magnolia, 261, 345.
nigrescens, 409.
palmarum hypochrysea, 43, 404.
p. palmarum, 55.
striata, 261.
tigrina, 38, 340.
vigorsii, 55, 404.
virens, 43, 261, 345.
v. waynei, 270, 303, 489, 492.
vitellina, 304.
v. crawfordi, 304.
v. nelsoni, 304.
- Dendropicos minutus*, 303.
elachus, 303.
- Denver Museum expedition, 635.
- Dickcissel, 288, 522, 575.
- Dicruropsis montana*, 599.
- Diomedea chionopectera*, 604.
exulans westralis, 310.
irrorata, 370-372.
sanfordi, 143.
- Disporus, 417.
- Diva, 577.
vassorii, 577.
- Dives dives, 196.
- Dixon, Joseph, personal mention, 635.
- Dolichonyx oryzivorus*, 307.
- Doolittle, E. A., Rough-winged Swallow, unusual nesting site, 115; unusual contents of a Mourning Dove's nest, 281; breeding of the Black Duck in Lake Co., Ohio, 560; Evening Grosbeak in May in Lake Co., Ohio, 574; a flight of Broad-winged Hawks and Rough-legs in Lake Co., Ohio, 568; a strange Blue Jay flight, 572.
- Dove, Ground, 385, 400.
Mourning, 14, 37, 52, 106, 281, 282, 400.
Zenaida, 400.
Turtle, 511.
- Dowitcher, 12, 104, 265.
Long-billed, 399.
- Drymophila richmondi*, 88.
- Dryobates borealis*, 53, 401.
major, 509.
minor, 509.
pubescens homorus, 250.
p. medianus, 250.
p. nelsoni, 250.
p. pubescens, 53, 401.
villosus, 286.
v. leucomelas, 40, 248.
- DuBois, Alexander, an experience with Horned Grebes (*Colymbus auritus*), 170-180.
- Duck, Black, 50, 301, 355-367, 560.
Florida Black, 397.

- Greater Scaup, 9.
Harlequin, 60.
Lesser Scaup, 9, 51, 397.
Ring-necked, 460-463, 587.
Ruddy, 10, 397.
Scaup, 397.
Tufted, 461, 463.
Wood, 51, 560.
- Dumetella carolinensis*, 262, 341, 405.
Dunlin, 512.
Dwight, Jonathan, the name "erythrogastrer" and others, 116-118; reasons for discarding a proposed race of the Glaucous Gull (*Larus hyperboreus*), 242-248; a correction involving some Juncos, 287; notice of his 'Description of a New Race of the Western Gull,' 301.
Dysithamnus scistaceus, 219.
Dysmorodrepanis munroi, 442.
- EAGLE, Alaska Bald, 61.
Bald, 18, 53, 385, 400, 517.
Golden, 18, 61, 265, 293, 421, 484.
Earnshaw, F. L., see Lawyer, G. A.
Ectopistes canadensis, 144, 267.
migratorius, 267, 486.
Ecuador, 438.
Egret, 101, 398.
Snowy, 51, 398.
Egretta candidissima candidissima, 51, 398.
Egypt, birds of, 609.
Eider, King, 515.
Eifrig, C. W. G., notes on birds of the Chicago area and its immediate vicinity, 513-524.
Elænia guianensis, 220.
Elepaio, 22-35.
Elminia longicauda loandæ, 140.
Emberiza aureola, 286.
calandra calandra, 507.
cirius, 507.
fucata, 286.
rustica, 286.
schoeniclus schoeniclus, 507.
Empidonax fuscatus cabanisi 220.
f. fumosus, 220.
Empidonax flaviventris, 41.
fulvifrons fulvifrons, 469.
minimus, 38, 251.
trailli, 251.
t. alnorum, 37, 268, 627.
t. brewsteri, 268.
t. traillii, 268.
Empidonax varius varius, 222.
'Emu, The,' reviewed, 142, 311, 615.
Endomychura, 596.
Eremomela flaviventris alexanderi, 140.
Ereunetes pusillus, 37, 399.
mauri, 399, 587.
Ergaticus ruber, 467.
Erichson, W. J., some summer birds of Liberty County, Georgia, 380-393; additions to the 'Birds of Liberty County, Ga.,' 590-591.
Erionotus cearensis, 88.
Erismatura jamaicensis, 10, 397.
Eudynamys, 569, 570.
scelopacea alberti, 570.
s. cyanocephala, 570.
s. everetti, 570.
s. facialis, 570.
s. flindersi, 570.
s. harterti, 570.
s. malayana, 570.
s. melanorhyncha, 570.
s. mindanensis, 570.
s. orientalis, 570.
s. rufiventer, 570.
s. scolopacea, 570.
s. salvadorii, 570.
s. subcyanocephala, 570.
Eudyptila minor novæhollandæ, 142.
Eumyias, 442.
Eunetta falcata, 313, 443.

- Euphagus carolinus, 42, 62, 196, 254.
 cyanocephalus, 196, 254.
Euphilydor, 273.
 Euphonia, aurea pileata, 145.
 elegantissima, 469.
 hirundinacea, 602.
 laniirostris peruviana, 145.
 olivacea, 145.
 violacea magna, 145.
 vittata, 145.
 Eupsittula astec vicinialis, 601.
 Euscarthmus josephinae, 613.
 Exanthemops, 562.
 rossi, 562.
 Excalfactoria chinensis palmeri, 599.
 Eximiornis, 129.
- FALCO** bacha, 549.
 bassus, 549.
 bellicosus, 548.
 columbarius, 19.
 c. columbarius, 37.
 coronatus, 548.
 desertorum, 549.
 ecaudatus, 548.
 lagopus, 549.
 leucogaster, 548.
 mexicanus, 18.
 occipitalis, 548.
 peregrinus, 19.
 p. anatum, 61, 108.
 pterocles, 567.
 rufularis pax, 310.
 r. petoensis, 310.
 rusticolus, 18, 265.
 sparverius, 20.
 s. sparverius, 37, 53, 400, 518.
 tinnunculus tinnunculus, 510.
 vocifer, 548.
 vulturinus, 548.
- Falcon, Prairie, 18.
 Farley, J. A., mating song of the Piping Plover, 566; Turkey Vulture at Plymouth, Mass., 567; early arrival of the Tree Swallow in Plymouth, Mass., 577; peculiar brooding of the Black-throated Blue Warbler, 579; nesting of the Myrtle Warbler in southern Massachusetts, 581; a Short-billed Marsh Wren colony in central New Hampshire, 583; the Blue Gray Gnatcatcher on Cape Cod, Mass., 584.
 Faxon, Walter, the name "erythrogaster," 294; Capt. Thomas Brown's 'Illustrations of the American Ornithology of Wilson and Bonaparte,' 623-6.
 Felger, A. H., Blue Jay again in Jefferson Co., Colorado, 422.
 Fieldfare, 498.
 Finch, Purple, 44, 254, 342, 346, 473, 478, 479, 521.
 Rosy, 255.
 Gray-crowned Rosy, 62.
 Serin, 505.
 'Fins, Feathers and Fur,' noticed, 607.
 Fisher, G. Clyde, Egrets (*Herodias egretta*) in northern New Jersey, 101; a note of the Long-eared Owl (*Asio wilsonianus*), 109.
 Fleming, J. H., note on his collection of birds, 321; personal mention, 452.
 Flicker, 53, 250, 386, 401, 570.
 Northern, 62, 519.
 Florida, birds of, 45-56, 86, 393-405, 556.
 Florida cærulea, 51, 384, 398, 565.
 Flower, S. S., and Nicholl, M. J., notice of their 'The Principal Species of Birds Protected by Law in Egypt,' 609.
 Flycatcher, Alder, 37, 62.
 Crested, 305, 387, 401.
 Least, 38, 251.
 Olive-sided, 41, 44, 251, 478, 479, 485.
 Pied, 503.

- Spotted, 503.
 Traill's, 251.
 Yellow-bellied, 41, 481.
- France, birds of, 497-513.
Francolinus chinensis, 442.
pintadeanus, 442.
- Fregata aquila*, 397.
- French, John C., review of his 'The Passenger Pigeon in Pennsylvania,' 605.
- Fringilla cœlebs cœlebs*,
comata, 185.
cyanea, 185.
erythroptalma, 185.
ludoviciana, 185.
texensis, 469.
- Froggatt, W. W., notice of his 'The Crow Family,' 609.
- Fulica americana*, 11, 102, 398.
atra atra, 511.
- Fuligula minor*, 471.
- Forbush, Edward Howe, notice of his 'Eleventh Annual Report of the State Ornithologist of Massachusetts,' 438.
- Fulmarus glacialis*, 237, 267.
g. glupischa, 271.
rodgersi, 237, 267, 271.
- Furnarius agnatus endœcus*, 89.
- GADWALL, 9, 50, 397.
- Galapagos, birds of the, 370-372.
- Galbula albirostris*, 285.
rufoviridis, 285.
melanogenia, 286.
- Gallinago delicata*, 12, 39, 51, 61, 398.
gallinago gallinago, 512.
- Gallinula chloropus chloropus*, 511.
galeata, 398.
- Gallinule, Florida, 398.
- Gampsonyx swainsonii leonæ*, 310.
s. magnus, 310.
- Gannet, 37.
- Garrulus*, 312.
bispecularis persaturatus, 312.
b. interstinctus, 312.
glandarius glandarius, 502.
- Gaspé bird reserves, notice of establishment, 451.
- Gavia arctica arctica*, 238-242, 266.
a. pacifica, 238-242, 266.
a. suschkini, 238-242, 271.
a. viridigularis, 238-242, 266.
immer, 7, 395, 587.
pacifica, 60.
stellata, 60, 395.
- Gecinus striolatus*, 303.
viridis, 286.
- Geopelia maugeus audacis*, 312.
- Georgia, birds of, 288, 380-393, 590.
- Geothlypis*, 290.
trichis ignota, 55, 404.
t. occidentalis, 261.
t. trichas, 341.
- Geotrygon montana*, 221.
- Gilmore, Albert Field, review of his 'Birds of Field, Forest and Park,' 436.
- Giraud, Jacob Post, biographical sketch of, 464-472.
- Gladstone, Hugh S., notice of his 'Birds and the War,' 602.
- Glaucidium gnoma gnoma*, 70.
- Globicera pacifica*, 604.
rubricera, 614.
- Godman, Frederick DuCane, obituary notice of, 319; memorial to, 629.
- Golden-eye, 9, 37, 264, 484.
- Goldfinch, 255, 402, 479, 505.
- Goodhue, Isabel, the song of the Blue Jay, 111.
- Goose, Blue, 515.
 Canada, 10, 37, 51, 483, 515.
 Hutchins's, 61.
 Ross's, 10.
 Snow, 10, 262, 515.
 White-fronted, 10.
- Goshawk, American, 15, 293, 484, 517.

- Gnatcatcher, Blue-gray, 405, 584, 591.
- Grackle, Bronzed, 44, 474, 627.
Boat-tailed, 54, 388, 402.
Florida, 54, 402.
Purple, 254.
- Graves, Francis Miner, notes from a Connecticut pine swamp, 293.
- Graves of American ornithologists, 631-634.
- Great Britain, birds of, 432, 597.
- Grebe, Eared, 7.
Great Crested, 617.
Holboell's, 7, 64.
Horned, 7, 50, 60, 170-180, 264, 394.
Pied-billed, 7, 395.
Western, 7, 64, 264.
- Greenfinch, 505.
- Greenshank, 513.
- Grinnell, George Bird, Ruddy Sheldrake on the Atlantic coast, 561.
- Grinnell, Joseph, specific names in the nominative case, 427; personal mention, 452.
- Grinnell, Joseph, Bryant, H. C., Storer, T. I., review of their 'The Game Birds of California,' 297-299.
- Griscom, Ludlow, European Widgeon on Long Island in winter, 560; further notes from Leon Co., Florida, 587-589.
- Grosbeak, Evening, 254, 423, 484, 521, 572, 573, 574.
Pine, 254, 285, 423, 483, 484, 521.
Rose-breasted, 477.
- Grouse, Richardson's, 65.
Ruffed, 13, 264, 279, 325-339, 478, 517.
Sharp-tailed, 13.
- Grus americana, 264.
canadensis, 11, 61.
mexicana, 11, 65, 264, 516.
- Guara alba, 398.
- Guiraca cærulea, 117.
c. salicarius, 428.
- Gull, Bonaparte's, 65, 264, 395.
Franklin's, 8, 395.
Great Black-backed, 44.
Herring, 50, 60, 64, 395, 484, 513.
Laughing, 395.
Lesser Black-backed, 513.
Ring-billed, 8, 50, 395, 473, 484.
- Gunthorp, Horace, a heronry on Lake Cormorant, Minn., 492-496.
- Gymnomystax melanicterus, 197.
- Gyr Falcon, 18, 265.
- HÆMATOPUS fraseri, 596.
palliatuS, 596.
- Haliaeetus albicilla, 82.
a. brooksi, 82.
brooksi, 82.
leucocephalus, 18.
l. alascanus, 61.
l. leucocephalus, 53, 385, 400, 517.
- Hardenberg, C. B., notice of his 'Some Insects Injurious to the Black Wattle,' 609.
- Harrier, Hen, 510.
Marsh, 510.
- Harris, Harry, notes on Harris's Sparrow, 180-190; review of his 'Birds of the Kansas City Region,' 433.
- Harriwhitea, 604.
- Hartert, Ernst, personal mention of, 635.
- Hawaii, birds of, 22-35.
- Hawk, American Sparrow, 20.
Broad-winged, 53, 265, 294, 481, 482, 485, 568.
Cooper's, 52.
Duck, 349-350.
Florida Red-shouldered, 52.
Harris', 567.
Marsh, 15, 37, 52, 61, 67, 400, 474, 517.

- Pigeon, 19, 37.
Red-shouldered, 474.
Red-tailed, 15, 52.
Rough-legged, 17, 61, 568.
Sharp-shinned, 15, 52, 61, 400.
Sparrow, 37, 53, 400, 479, 510, 518.
Swainson's, 17, 69, 517.
Western Red-tailed, 67.
- Hedymeles, 115.
 melanocephalus, 408-416.
 m. capitalis, 410.
 m. melanocephalus, 408.
 m. papago, 412.
- Helme, A. H., Evening Grosbeaks on Long Island, N. Y., 573; the Orange-crowned Warbler on Long Island in April, 579.
- Helodromas solitarius, 12.
 s. cinnamomeus, 61.
- Hen, Moor, 511.
- Henninger, W. F., an overlooked record of the Trumpeter Swan, 564.
- Herodias, 557.
 egretta, 101, 398.
- Heron, Black-crowned Night, 37, 101, 515.
 Common, 510.
 Great Blue, 11, 44, 51, 101, 492-496.
 Green, 101, 384, 588.
 Little Blue, 51, 384, 398, 565.
 Louisiana, 51, 384, 398.
 Yellow-crowned Night, 398.
- Herpetotheres cachinnans queribundus, 601.
- Herrick, Francis H., Audubon's bibliography, 372-380.
- Hesperiphona vespertina, 254.
 v. vespertina, 423, 521, 572, 573, 574.
- Heteractitis, 596.
- Heteroscelis, 278.
- Heteroscelus, 278, 596.
 brevipes, 443.
- Hieraaëtus ayresi, 440.
 spilogaster, 441.
- Himantopus mexicanus, 587.
- Hirundo erythrogastra, 114, 116, 259, 403, 428.
 puella unitatis, 140.
 rustica rustica, 503.
- Histrionicus histrionicus, 60.
- Hoatzin, 302, 617.
- Hoffman, Ralph, Mourning Doves sharing a Robin roost, 106-107.
- Hollister, N., brooding habit of the American Coot, 102; systematic position of the Ring-necked Duck, 460-463.
- Holoquiscalus, 194, 196.
- Holt, Ernest G., Red-bellied Nuthatch in Alabama, 584; personal mention, 634.
- Hoopoe, 509.
 'Hornero, El' reviewed, 615.
- Horsfall, R. B., notice of his bird paintings in the N. Y. Zoo, 157.
- Howe, Reginald Heber, Carolina Wren nesting in Rhode Island, 583.
- Howell, A. B., personal mention, 635.
- Howell, A. H., description of a new Seaside Sparrow from Florida, 86-87; obituary notice of Robert Day Hoyt, 319.
- Hoyt, Robert Day, obituary notice, 319.
- Hummingbird
 Calliope, 70.
 Ruby-throated, 37, 401, 479.
- Hybrids, 313.
- Hydranassa tricolor ruficollis, 51, 384, 398.
- Hydrobates, 276.
- Hydrobatidæ, 276.
- Hydrochelidon nigra surinamensis, 514.
- Hydrocolæus, 593.
- Hydrophasianus chirurgus, 617.
- Hydroprogne, 596.

- Hylacola pyrrhopygia magna*, 142.
Hylocichla aliciae aliciae, 63.
 fuscescens fuliginosa, 438.
 f. salicicola, 263, 438.
 guttata, 263.
 g. pallasii, 56, 405.
 g. polionota, 271.
 ustulata, 263.
 u. swainsoni, 63, 345.
Hypocentor aureolum, 287.
 fucatus, 287.
 rusticus, 287.
Hypotænidia striata reliqua, 601.
- IBIS, White, 398.
 Wood, 398, 565.
 'Ibis, The,' reviewed, 139, 309, 446, 611.
- Ibycter americanus*, 218.
Icteria, 290.
 virens, virens, 391.
 viridis, 185.
- Icteridæ*, palate structure in the, 190-197.
- Icterus audubonii*, 468.
 bullocki, 254.
 galbula, 254, 520.
 gularis, 195.
 g. yucatanensis, 195.
 icterus, 269.
 laudabilis, 195.
 melanocephalus audubonii, 468.
 prothemelas, 195.
 spurius, 387, 520.
 xanthoemus, 313.
 xanthornus, 195.
 zanthrocephalus, 183.
- Idaho, 424.
 Illinois, birds of, 113, 513-524.
 Indexes to ornithological literature, 630.
 Indiana, birds of, 276.
Indicapus, 129.
 Iredale, Tom, see Mathews, G. M.,
Iridoprocne bicolor, 55, 403, 523, 579.
- Ixoreus naevius meruloides*, 64.
Iyngipicus pygmæus, 303.
 auritus, 303.
- JACANA spinosa*, 596.
 s. gymnostoma, 596.
- Jaeger, Long-tailed, 276.
- Java, birds of, 599.
- Jay, 502.
 Alaska, 62.
 Blue, 111, 251, 387, 422, 482, 484, 572.
 Canada, 252, 422.
 Florida Blue, 54, 401.
- Junco*, 44, 295, 474.
 Slate-colored, 63, 257, 522.
- Junco, hyemalis hyemalis*, 63, 257, 522.
 insularis, 270, 296.
 i. insularis, 287.
 i. mearnsi, 287.
 i. townsendi, 287.
 mearnsi townsendi, 270.
 m. insularis, 270.
 oreganus annectens, 272.
 o. couesi, 270.
 o. mearnsi, 270.
 o. montanus, 272.
 o. oreganus, 270.
 o. pontilis, 611.
 o. shufeldti, 270.
 o. townsendi, 270.
 phænotus dorsalis, 273.
- Jynx torquilla torquilla*, 509.
- KAGU, 321.
 Kansas, birds of, 283, 433, 567.
- Kennard, Fred. H., obituary notice of F. B. McKechnie, 449; notes on a new subspecies of Blue winged Teal, 455-460.
- Kestrel, 510.
- Killdeer, 566.
- Kingbird*, 41, 44, 251, 305, 341, 342, 387, 401, 479.
- Kingfisher*, 509.
 Belted, 53, 62, 248, 401.

- Kinglet, Golden-crowned, 56, 478, 524.
 Ruby-crowned, 56, 63, 405, 478, 524, 525.
Kittiwake, 36, 44.
Klages, personal mention, 321.
Knot, 105, 516.
Kuroda, Nagamichi, obituary notice of M. Namiye, 628.
- LABRADOR, 424, 427.
Lagopus sp., 61.
Lamprocorax panayensis richmondi, 600.
Lampropsar, 191.
Lanius borealis, 259.
 collurio collurio, 503.
 excubitor excubitor, 503.
 ludovicianus excubitorides, 259.
 l. ludovicianus, 55, 288, 390, 403.
 l. migrans, 523.
 l. nelsoni, 270, 308.
 senator senator, 503.
Lanivireo solitarius, 259.
 s. solitarius, 55, 404.
Lantz, David Ernest, obituary notice of, 154.
Lapwing, 512.
Lark, Horned, 570.
 Pallid horned, 62.
 Prairie Horned, 34, 348, 473, 479, 571.
Larus, 596.
 affinis, 542-546.
 argentatus, 8, 50, 60, 64, 100, 395, 513.
 atricilla, 395.
 barrovianus, 242-248.
 brachyrhynchus, 83, 276.
 californicus, 8.
 canus, 83.
 c. brachyrhynchus, 83, 276.
 delawarensis, 8, 50, 395, 484.
 franklini, 8, 395.
 fuscus, 542-546, 599.
 f. affinis, 546.
 f. fuscus, 513, 545.
 glaucus, 600.
 hyperboreus, 242, 248, 267, 600, 613.
 leucopterus, 600.
 marinus, 600.
 nelsoni, 600.
 occidentalis livens, 301.
 philadelphia, 65, 264, 395.
 thayeri, 596.
Law, J. E., personal mention, 635.
Lawrence, R. B., Little Blue Heron on Long Island, N. Y., 565.
Lawyer, G. A., notice of his 'Federal Protection of Migratory Birds,' 606.
Lawyer, G. A. and Earnshaw, F. L., notice of their 'Game Laws for 1919,' 616.
Leggeornis lamberti hartogi, 310.
Leister, C. W., aerial evolutions of a Flicker, 510.
Leopold, Nathan F., Jr., Long-tailed Jaeger in Indiana, 276.
Leptophæthon lepturus catesbyi, 556.
Leptoptila verreauxi brevipennis, 309.
Leucopternis ghiesbreghti costariensis, 612.
Leucosticte, tephrocotis, 62, 255.
Levaillant, Franz, Oiseaux d'Afrique, 546-549.
Lewis, Harrison F., winter Robins in Nova Scotia, 205-217; song of the Canada Jay, 422.
Limnodromus, 596.
Linnæan Society of New York, review of the 'Proceedings' of the, 133.
Lloyd, Hoyes, permits to collect birds for scientific purposes in Canada, 621-623.
Longspur, Alaska, 62.
 Chestnut-collared, 255.
 Lapland, 255.

- Smith's, 62.
- Lonnberg, Einar, review of his 'Hybrid Gulls,' 599.
- Loomis, Leverett M., the reality of bird species, 235-237; variation in the Galapagos Albatross, 370-372; dichromatism in the Wedge-tailed Shearwater, 487-488.
- Loon, 7, 100, 395, 481, 587.
 Black-throated, 238.
 Green-throated, 238.
 Pacific, 60, 589.
 Red-throated, 60, 395.
- Lophodytes cucullatus, 50, 100, 587.
- Lophotriccus macconnelli, 613.
- Lophozosterops striaticeps, 303.
- Lorius flavopalliatu, 131.
- Loxia curvirosta, 255.
 c. minor, 38.
- Lullula arborea arborea, 508.
- Luscinia megarhyncha megarhyncha, 499.
- MABBOTT, Douglas Clifford, obituary notice of, 153.
- McAtee, W. L., further notes on the "fishy" flavor of birds, 100; review of Collinge's papers on economic ornithology, 136; obituary notice of Douglas Clifford Mabbott, 153; "off" flavor of wildfowl, 296; review of his 'Food Habits of the Mallard Ducks of the United States,' 301; economic ornithology in recent entomological publications, 304; destructive invasion by an Australian rail, 418; observations on the shifting range, migration and economic value of the Bobolink, 430-431; reviews by, 608-610, personal mention, 323.
- MacCaughy, Vaughan, the Hawaiian Elepaio, 22-35.
- McKechnie, Frederick B., obituary notice of, 449.
- McMahon, Walter Freeman, obituary notice of, 153.
- Machetes, 613.
- Macragelæus, 191.
- Macrorhamphus, 596.
 griseus, 12.
 g. griseus, 104, 265.
 g. scolopaceus, 265, 399.
- Maggie, 62, 72, 113, 251, 502.
- Mailliard, Joseph and John W., gift of their collection to the California Academy of Sciences, 320.
- Maine, birds of, 277, 303.
- Majaqueus, 276.
- Malacoptila fusca, 286.
 inornata, 286.
- Malindangia, 303.
- Mallard, 8, 50, 103, 301, 397.
- Malurus cyanotus diademantina, 143.
- Manitoba, birds of, 617.
- Man-o'-war-bird, 397.
- Mareca americana, 9, 60, 277.
 penelope, 277, 514, 560, 616.
- Marila, affinis, 9, 51, 461.
 americana, 463.
 bairi, 461.
 collaris, 397, 460-463, 587.
 ferina, 463.
 fuligula, 461, 463.
 marila, 9, 397, 461.
 novæseclandiæ, 461.
 valisineria, 9, 397.
- Martin, House, 504.
 Purple, 258, 390, 403.
 Sand, 504.
- Massachusetts, birds of, 284, 292, 349-350, 351-355, 438, 565, 573, 584.
- Mathews, G. M., and Iredale, Tom, proper name of the Tree Sparrow, 114.
- Mathews, G. M., review of his 'The Birds of Australia,' 129, 299, 603.
- Meadowlark, 475, 484, 520.
 Southern, 54, 402.

- Western, 253.
 Megaceryle, 267.
 Megalæma asiatica, 286.
 Megalestris, 418.
 Megalurus celebensis, 599.
 palustris forbesi, 602.
 Megapodius nicobariensis abbotti,
 601.
 Megaquiscalus, 192.
 major macrourus, 194.
 m. major, 54, 388, 402.
 nicaraguensis, 194.
 tenuirostris, 194.
 Melanerpes erythrocephalus, 386,
 401, 519.
 Melanocorypha bimaculata gaza,
 612.
 Melithreptus gularis, 615.
 Melospiza georgiana, 55, 237, 257,
 403.
 lincolni, 237, 257.
 l. lincolni, 42, 588.
 melodia, 237, 525.
 m. juddi, 257.
 m. melodia, 55, 257, 403.
 Menura alberti, 604.
 Merganser, 8, 397, 484.
 Hooded, 50, 587.
 Red-breasted, 50, 60, 397.
 Mergeris americanus, 397.
 serrator, 50, 60, 397.
 sp., 8.
 Michigan, 115, 569.
 Microcochlearius, 613.
 Micropalama himantopus, 102.
 Migratory bird law and treaty, 323.
 Miller, Carrie Ella, review of her
 'Birds of Lewiston-Auburn and
 Vicinity,' 303.
 Miller, Leo E., review of his 'In the
 Wilds of South America,' 125-127.
 Miller, Olive Thorne, obituary
 notice of, 163-169.
 Miller, W. DeW., on *Brotogeris fer-*
 ruginifrons Lawrence, 110; the
 deep plantar tendons in the Puff-
 birds, Jacamars and their Allies,
 285; the affinities of *Chamæ-*
 thlypis, 290; four rare birds in
 Sussex County, N. J., 293; con-
 stant difference in relative pro-
 portions of parts as a specific
 character, 295; the Pine Gros-
 beak (*Pinicola enucleator leu-*
 cura) in northwestern New Jersey,
 423; notes on the structure of
 Anseranas semipalmata, 562; the
 Tanagrine genus *Procnopis* Cab-
 anis, 576.
 Mimus polyglottos polyglottos, 56,
 391, 404, 523.
 Minnesota, birds of, 492-496, 598.
 Missouri, birds of, 180-190, 433, 579.
 Mniotilta varia, 259.
 Mniotiltidæ, 442.
 Mockingbird, 56, 391, 404, 523.
 Molothrus, 197.
 ater, 193, 307.
 a. ater, 253, 520, 588.
 atronitens, 197.
 fringillarius, 197.
 rufoaxillaris, 197.
 Monasa atra, 442.
 flavirostris, 286.
 grandior, 286.
 nigra, 442
 Moris bassana, 417.
 capensis, 417.
 serrator dyotti, 417.
 s. serrator, 417.
 Morus, 417.
 Moseley, Edwin Lincoln, review of
 his 'Trees, Stars and Birds,' 434.
 Motacilla alba alba, 507.
 flava flava, 507.
 Moults, 310.
 Mousley, H., "the singing tree,"
 or how near to the nest do the
 male birds sing, 339-348; further
 notes and observations on the
 birds of Hatley, Stanstead Co.,
 Quebec, 472-487.
 Muscadivora, 312.
 Muscivores, 312.

- Muscicapa belli*, 469.
 brasierii, 469.
 derhami, 469.
 fulvifrons, 469.
 grisola, 312.
 hypoleuca hypoleuca, 503.
 lawrenceii, 468.
 leucomus, 469.
 rubrifrons, 469.
 striata, 312.
 s. striata, 503.
 texensis, 468.
- Munro, J. A., notes on some birds of the Okanagan Valley, British Columbia, 64-74.
- Murphy, Robert C., notice of his photographs of South Georgia birds, 132; personal mention, 634.
- Murre, Brunnich's, 473.
- Museum of Analytical Oology, notice of, 453.
- Museum of Comparative Oology, notice of, 453.
- Myadestes townsendi*, 73.
- Myacteria americana*, 398, 565.
- Myiarchus crinitus*, 305, 387, 401.
 lawrencei lawrencei, 468.
- Myioborus miniatus miniatus*, 469.
- Myiochanes richardsoni*, 251.
 r. richardsoni, 71.
- Myiopagis gaimardii guianensis*, 220.
- Myiozetetes texensis texensis*, 468.
- Myrmotherula cinereiventris*, 310.
- NAMIYE, M., obituary notice of, 628.
- Nannus troglodytes*, 600.
 t. hiemalis, 600.
 t. kiskensis, 600.
 t. petrophilus, 600.
 t. tanagensis, 600.
- National Association of Audubon Societies, notice of the Annual Report of, 134.
- National Zoological Park, Annual Report noticed, 607.
- 'Natural History,' notice of, 453.
- Neafrapus*, 129.
- Nemospiza henslowii susurrans*, 270.
- Neocossyphus rufus arrhenii*, 443.
- Neoglottis*, 596.
- Neopsar nigerrimus*, 197.
- Neoscolopax*, 596.
- Nephocætes*, 130.
- Nestor notabilis*, 131.
- Netherlands, birds of the, 127.
- Nettion*, 563.
 carolinense, 9, 50, 60, 81.
 crecca, 81.
 torquatum, 612.
- New Brunswick, birds of, 35-45, 225-228.
- New Hampshire, birds of, 288, 583.
- New Jersey, birds of, 101, 293, 423, 561, 573.
- New York, birds of, 102-104, 158, 293, 421, 470-471, 560, 573, 582.
- New York Zoological Society, Report for 1918 noticed, 607.
- Newfoundland, birds of, 438.
- Nicholl, M. J., see Flower, S. S.
- Nichols, J. T., problems suggested by nests of warblers of the genus *Dendroica*, 225-228.
- Nicobar Islands, birds of, 601.
- Nighthawk, 62, 250, 481, 519.
 Florida, 401.
- Nightingale, 499.
- Nightjar, 508.
- Niltava grandis decorata*, 612.
- Noble, G. K., notice of his 'Notes on the Avifauna of Newfoundland,' 438.
- North Carolina, birds of, 561.
- Notorchilus*, 312.
- Nova Scotia, birds of, 205-217.
- Nucifraga columbiana*, 72.
- Numenius*, 596.
 americanus, 13.
 a. occidentalis, 267, 596.
 longirostris, 265.
 occidentalis, 268.
- Numida galeata*, 613.
 meleagris, 613.
- Nutcracker*, 72.

- Nuthatch, 502.
Brown-headed, 56, 590.
Red-breasted, 45, 262, 423, 479.
White-breasted, 524.
Nuttallornis borealis, 41, 251, 485.
Nyctea nyctea, 265, 285, 519, 569.
Nycticorax nycticorax nævius, 37.
violacea, 398.
Nyroca, 461, 462.
- OBERHOLSER, Harry C., description of a new subspecies of *Piranga hepatica* Swainson, 74-80; notes on North American birds, VII, 81-85; *Zamlodia* versus *Hedymeles*, 115; fourth annual list of proposed changes in the A. O. U. Check-List of North American birds, 266-273; Procellariidæ versus Hydrobatidæ, 276; *Larus canus brachyrhynchus* in Wyoming, 276; *Polysticta* Eyton versus *Stelleria* Bonaparte, 277; the proper generic name of the Ruff, 278; *Heteractitis* versus *Heteroscelus*, 278; the status of *Charadrius rubricollis* Gmelin, 279; *Thrasaetos* versus *Harpia*, 282; the status of the generic name *Archibuteo*, 282; the proper name for the Texas Barred Owl, 282; the status of the genus *Hypocentor* Cabanis, 286; review of his 'Mutanda Ornithologica V,' 303; notes on North American birds, VIII, 406-408; the geographic races of *Hedemeles melanocephalus*, Swainson, 408-416; the generic name of the Gannets, 417; *Polysticta* versus *Stellaria*—a correction, 418; *Megalestris* versus *Catharacta*, 418; the status of the genus *Archibuteo*, 420; the range of the Short-tailed Mountain Chickadee (*Penthestes gambeli abbreviatus* Grinnell), 424; *Tachytriorchis*, the generic name for the White-tailed Hawk, 567; notes on the races of *Quiscalus quiscula* (Linnæus), 549-555; notes on North American birds, IX, 556-559; *Exanthemops* Elliot.—An Excellent genus, 562; Buteonidæ versus Accipitridæ, 569; review of his 'Notes on the Wrens of the Genus *Nannus* Billberg,' 600; review of his 'The Birds of Tambelan Islands, South China Sea,' 600; review of his 'Notes on Birds Collected by Dr. W. L. Abbott on Pulo Taya, Berhala Strait, South-eastern Sumatra,' 600; review of his 'A Revision of the Subspecies of the White-collared Kingfisher, *Sauropatis chloris* (Boddaert),' 601; notice of his 'The Races of the Nicobar Megapode, *Megapodius nicobariensis* Blyth,' 601; review of his 'Notes on Dr. W. L. Abbott's Second Collection of Birds from Simalur Island, Western Sumatra,' 601.
- Ochthodromus, 596.
wilsonius, 355.
Ocyalus, 191.
Odontophorus, 439.
guianensis simonsi, 309.
buckleyi, 309.
panamensis, 309.
Oenanthe oenanthe oenanthe, 498.
Oenenas plumbea locutrix, 218.
purpureotincta, 218.
Oestrelata fisheri 604.
scalaris, 604.
Ogilvie Grant, W. R., personal mention, 157.
Ohio, birds of, 468, 560, 565, 574.
Oidemia deglandi, 10, 37.
Olor buccinator, 564.
columbianus, 11.
Ontario, birds of, 116, 566.
Oological dinner, 635.
'Oologist, The,' reviewed, 139, 309, 611.

- Opisthocomus cristatus*, 302.
Oporornis formosus, 523.
 philadelphia, 261.
Oreophilus ruficollis simonsi, 441,
 599.
 Oriole, Baltimore, 254, 477, 479, 520.
 Bullock's, 254.
 Orchard, 387, 520.
Oriolus melanocephalus, 312.
 luteolus, 312.
Ornismia cinnamomea, 302.
 'Ornithologiste L', reviewed, 615.
Orthorhamphus magnirostris scom-
mophorus, 600.
Oryzoborus angolensis brevirostris,
 223.
 crassirostris crassirostris, 223.
 Osprey, 20, 53, 386, 400, 481, 510.
Otocoris alpestris alpestris, 570.
 a. ammophila, 268.
 a. aphrasta, 269.
 a. arctica, 62.
 a. chrysolæma, 469.
 a. enertera, 268.
 a. enthymia, 269.
 a. giraudi, 469.
 a. leucansiptila, 268.
 a. leucolæma, 251.
 a. praticola, 571.
Otus asio floridanus, 100.
 Ovenbird, 45, 261, 404, 532.
 Owl, Barred, 518.
 Barn, 400, 518.
 Brown, 510.
 Dusky Horned, 62.
 Florida Screech, 100.
 Great Gray, 20, 61.
 Great Horned, 21, 53, 265, 367-
 370, 519.
 Hawk, 21, 62.
 Long-eared, 20, 70, 109, 283.
 Pygmy, 70.
 Saw-whet, 21.
 Short-eared, 20, 40, 109, 284, 400.
 Snowy, 265, 285, 519, 549.
Oxyechus vociferus, 13, 52, 105, 399.
 v. vociferus, 566.
- PACHYCEPHALA pluviosa*, 599.
Pagolla, 596.
 wilsonia beldingi, 596.
 w. cinnamomina, 596.
 Palmer, T. S., thirty-sixth stated
 meeting of the American Orni-
 thologists' Union, 90-99; obitu-
 ary notice of Prof. David E.
 Lantz, 154; check lists, 155;
 called to the Colors, 158; geo-
 graphical distribution of A. O. U.
 membership, 323; obituary no-
 tice of Merrill Willis Blain, 629;
 obituary notice of Leo Wiley,
 629; indexes to ornithological
 literature — journals, 630; where
 American ornithologists rest, 631;
 complete sets of 'The Auk,' 634;
 data on the age of birds, 591; re-
 views of the annual report of the
 N. Y. Zoological Society, and the
 National Zoological Park, 607;
 Tori noticed, 616.
 Panama, birds of, 302.
Pandion haliaetus, 20.
 h. haliaetus, 510.
 carolinensis, 53, 386, 400.
 Pangburn, C. H., a three months'
 list of the birds of Pinellas County,
 Florida, 393-405.
 Pangburn, Clifford H., and Saun-
 ders, Aretas A., the Raven in
 Connecticut, 572.
Papuanapus, 129.
Parabuteo unicinctus harrisi, 283,
 567.
Pardirallus rityrhynchus tschudii,
 309.
Parisoma blanfordi somaliensis, 140.
Partridge Canada Spruce, 37.
 Hungarian, 13.
Parus cæruleus, cæruleus, 501.
 cristatus mitratus, 502.
 leucotis, 469.
 major major, 501.
Passer domesticus, 313, 597.
 d. domesticus, 506.

- d. *hostilis*, 597.
montanus montanus, 506.
Passerculus sandwichensis, 256.
 s. *alaudinus*, 63.
 s. *bradburyi*, 269.
 s. *savanna*, 402.
Passerella iliaca brevicauda, 270.
 i. *canescens*, 270, 438
 i. *fulva*, 270, 438.
 i. *iliaca*, 63, 257.
 i. *mariposa*, 270, 438.
 i. *megarhynca*, 438.
Passerherbulus caudacutus, 442.
 henslowi, 574.
 h. *henslowi*, 402, 522..
 h. *susurrans*, 270.
 lecontei, 256, 442.
 maritimus peninsulæ, 54, 402.
 nelsoni, 256.
 n. *nelsoni*, 54, 522.
Passerina ciris, 389, 403.
 cyanea, 403.
Paul, Lucius H., early occurrence of the Snowy Owl and the Pine Grosbeak in Monroe County, N. Y., 285.
Pavoncella, 278.
Pearson, T. Gilbert, Roseate Spoonbill in North Carolina, 566; obituary notice of Walter F. McMahon, 153.
Pediæcetes phasianellus, 13.
Pelecanus californicus, 267.
 erythrorhynchus, 8, 364, 396, 617.
 occidentalis, 50, 396.
 o. *californicus*, 267.
Peles, 304.
Pelican, Brown, 50, 390.
 White, 8, 264, 396.
Pelidna alpina, 265.
 a. *alpina*, 512.
 a. *sakhalina*, 52, 103, 399, 586.
Pemberton, J. R., review of his 'Second Ten Year Index to The Condor,' 598.
Penard, Thomas E., remarks on Beebe's 'Tropical Wild Life,' 217-225; the name of the Black Cuckoo, 569; *Sarkidiornis sylviolica* in British Guiana, 564; see also Bangs, Outram,
Penelope nigrifrons, 616.
Pennsylvania, birds of, 108, 419, 605.
Penthestes atricapillus septentrionalis, 263.
 a. *carolinensis*, 273.
 carolinensis carolinensis, 56.
 hudsonicus, 262.
 h. *hudsonicus*, 63.
 h. *littoralis*, 43.
 gambeli abbreviatus, 271, 424.
 g. *inoensis*, 271.
Penthoceryx sonnerati waiti, 310.
Perdix perdix, 13.
Perisoreus canadensis canadensis, 252.
 c. *fumifrons*, 62.
Perkins, Anne E., bird notes from Collins, Erie Co., N. Y., 589.
Petrochelidon lunifrons, 258.
 l. *lunifrons*, 63, 522.
Peuceæa æstivalis æstivalis, 403.
 a. *bachmani*, 522.
Peucedramus olivaceus, 469.
Pewee, Wood, 342.
 Western Wood, 71, 251.
Phæopus, 596.
Phaëthon americanus, 587.
Phalacrocorax auritus auritus, 8, 264, 514.
 a. *floridanus*, 396, 587.
Phalarope, Red, 419.
 Wilson's, 12, 516.
Phalaropus fulicarius, 419.
Phasianidæ, 119-125.
Phasianus colchicus, 616.
 meleagris, 613.
Philadelphia Zoological Garden, rare birds in the, 321.
Philipp, P. B., and Bowdish, B. S.,

- further notes on New Brunswick birds, 36-45.
- Philippines, birds of, 135.
- Phillips, C. L., a late record for *Rallus elegans* for Maine, 277.
- Philohela minor, 37.
- Philomachus, 278, 613.
- Phlegoenas crinigera basilanica, 312.
c. leytensis, 312.
- Phlœotomus pileatus, 250, 588.
p. abieticola, 293.
p. pileatus, 53.
- Phœbe, 54, 251, 305, 342, 401.
Say's, 62, 71, 251.
- Phœnicurus phœnicurus phœnicurus, 499.
- Phylidor lichtensteini, 273.
- Phylloscopus trochilus trochilus, 500
- Pica pica, 251.
p. hudsonia, 62, 72, 113.
p. pica, 502.
- Picoides americanus, fasciatus, 62, 70.
arcticus, 40, 110, 250, 421.
- Picolaptes affinis lignicida, 602.
- Picus canus gyldenstolpei, 310.
viridis viridis, 509.
xanthopygius, 303.
- Pigeon, Passenger, 153, 477, 486, 605.
Wood, 511.
- Pinguinus, 596.
- Pinicola enucleator leucura, 254, 285, 423, 521.
- Pintail, 9, 51, 60, 103, 104.
- Pipilo erythrophthalmus alleni, 55, 388.
e. erythrophthalmus, 400.
maculatus arcticus, 258.
m. montanus, 73.
- Pipit, 56, 63, 262, 404, 482, 507.
Sprague's, 262.
Tree, 507.
- Pipra aureola aureola, 222.
galericulata, 469.
- Piranga erythromelas, 403, 575.
hepatica dextra, 75.
h. hepatica, 74-75.
h. oreophasma, 74.
ludoviciana, 258.
olivacea, 575.
rubra rubra, 389.
- Pisobia acuminata, 596.
aurita, 596.
bairdi, 61, 265, 516.
damacensis, 596.
minutilla, 12, 37, 51, 399.
subminuta, 596.
- Pitta cœrulea hosei, 310.
- Planesticus migratorius migratorius, 56, 63, 306, 405, 584, 585.
propinquus, 263.
- Platycorax, 443.
- Platyrhynchus auricularis, 312.
- Plautus, 596.
- Plectrophenax nivalis nivalis, 38.
- Plectropterus, 563.
- Plover, Black-bellied, 44, 52, 105, 265, 399, 511, 586, 589.
Golden, 13, 265.
Piping, 39, 351-355, 399, 517, 566.
Ringed, 511.
Snowy, 399.
Upland, 12, 265, 516, 567.
Wilson's, 385.
- Pluvialis, 596.
- Pochard, 461.
- Podiceps nigricollis, 310.
- Podilymbus podiceps, 7, 395.
- Pœcilonitta bahamensis bahamensis, 304.
b. rubrirostris, 304.
galapagensis, 304.
erythrorhyncha, 304, 612.
spinicauda, 304.
- Pœcetes gramineus gramineus, 54, 402.
confinis, 256.
- Poliolæma, 310.
- Poliopsar leucocephalus annemensis, 612.
- Polioptila cœrulea cœrulea, 405, 584.

- Polophilus phasianinus melvillensis*, 603.
Polyborus cheriway, 268.
 auduboni, 268.
Polysticta, 277, 418.
Porzana albicollis, 221.
 carolina, 11.
 Pribilof Islands, new birds to the, 443.
Proifinus, 267.
 cinereus, 267.
Procellaria, 276.
Procellariidæ, 276.
Procnopis, 576.
Progne subis, 258.
 s. subis, 390, 403.
Protonotaria citrea, 523, 588.
Prunella modularis modularis, 500.
Psephotellus chrysopterygius, 604.
Pseudocolaptes boissonneauitii oberholseri, 275.
Ptarmigan, 61.
Pterodroma gularis, 267.
 inexpectata, 267, 271, 604.
Pteroglossus aracari aracari, 218.
Ptilinopus rivoli buruanus, 312.
Ptiloxena atroviolacea, 196.
 Publications received, 145, 314, 444, 618.
Puffinus chlororhynchus, 487.
Pygopodes, 593-595.
Pyromelana, 311.
Pyrotrogon erythrocephalus annamensis, 612.
Pyrhula pyrrhula europæa, 506.
 QUEBEC, birds of, 472-487.
Querquedula crecca, 313.
 cyanoptera, 314.
 discors, 9, 397.
 d. albinucha, 455-460.
Quiscalus æneus, 193.
 aglæus, 54, 193, 402.
 quiscula, 254.
 q. æneus, 554.
 q. aglæus, 269, 551.
 q. quiscula, 193, 269, 549.
 q. ridgwayi, 552.
 q. versicolor, 269.
 RAIL, Florida Clapper, 51.
 King, 277, 384, 398.
 Sora, 11.
 Virginia, 480.
 Wayne's Clapper, 384.
 Yellow, 264.
Rallus crepitans scotti, 51.
 c. waynei, 384.
 elegans, 277, 384, 398.
Ramphastos ariel, 225, 286.
Rassornis, 129.
 macrurus coincidens, 129.
 m. rogersi, 129.
 m. aruensis, 129.
Raven, 252, 293, 572.
 Northern, 62.
Raynor, Horace M., Golden Eagle at East Moriches, N. Y., 421.
Recurvirostra americana, 12.
Red-head, 462.
Redpoll, 62, 255, 483, 484, 521.
Redshank, Common, 512.
Redstart, 43, 45, 262, 476, 499.
Red-tail, Western, 61.
Redwing, 498.
 Florida, 54, 402.
Regulus calendula, 263, 524, 525.
 c. calendula, 56, 63, 263, 405.
 ignicapillus ignicapillus, 501.
 satrapa satrapa, 56.
Reinholdia reinholdi, 604.
 'Revue Française d'Ornithologie,' 143, 311, 441, 615, reviewed.
Rhamphococcyx centralis, 303.
Rhinocetus jubatus, 321.
Rhinortha chlorophæa fuscigularis, 612.
Rhode Island, birds of, 583.
Rhodophoneus cruentus kordofanicus, 140.
Richards, Viola F., the early history of a Duck Hawk, 349-350.

- Richmond, Charles W., Forster's edition of Levaillant's 'Oiseaux d'Afrique,' 546-549.
- Ridgway, Robert, review of his 'Birds of North and Middle America,' Part VIII,' 595-597.
- Riley, J. H., review of his 'Annotated Catalogue of a Collection of Birds made in Northeastern Siberia by Mr. Copley Amory, Jr.,' 131; notice of his 'Two New Genera and Eight New Birds from Celebes,' 302; notice of his 'Six New Birds from Celebes and Java,' 599.
- Riparia riparia, 63, 220, 403, 504.
- Rissa tridactyla tridactyla, 36.
- Robbins, C. A., a colony of Cape Cod Piping Plover, 351-355.
- Roberts, Thomas S., notice of his 'Water Birds of Minnesota, Past and Present,' 598; notice of his 'A Review of the Ornithology of Minnesota,' 598.
- Robin, 45, 56, 63, 106, 205, 217, 405, 473, 499, 584, 585.
Western, 263.
- Roosevelt, Theodore, obituary notice of, 162.
- Ross, Lucretius H., Mourning Dove wintering in Vermont, 282.
- Royal Australasian Ornithologists' Union, notice of annual meeting, 322.
- Royal Society for the Protection of Birds, Annual Report, noticed, 606.
- Rothonia, 143.
- Rough-leg, Ferruginous, 17.
- Rynchops nigra, 396.
- SALPINCTES, 295.**
guadeloupensis, 407.
obsoletus, 262.
proximus, 408.
- Saltator striatipectus furax, 602.
s. speratus, 602.
- Sandpiper, Baird's, 61, 265, 516.
Buff-breasted, 516.
Common, 512.
Green, 512.
Least, 12, 37, 44, 51, 399, 483.
Red-backed, 52, 103, 265, 399, 586.
Semipalmated, 37, 44, 399.
Solitary, 12, 483.
Spotted, 12, 44, 61, 341, 348, 399, 483.
Stilt, 102.
Western, 399.
Western Solitary, 61, 587.
Wood, 512.
- Sapsucker, Yellow-bellied, 53, 250.
- Sarcidiornis sylvicola, 419, 564.
- Saucerottia erythronota, 220.
- Saunders, Aretas A., spring shore-birds in Connecticut, 104-105; the Rose-breasted Grosbeak in Connecticut in November, 114; evolution of bird song, 149-151; concerning a note of the Long-eared Owl, 283; Blue-winged Warbler feeding a young Field Sparrow, 291; geographical variation in the song of the Ruby-crowned Kinglet, 525-527; see also Pangburn, C. H.
- Saunders, W. E., local decrease of warblers in 1917, 116.
- Sauropatis chloris, 600.
c. azela, 600.
c. chloroptera, 600.
c. hyperpontia, 600.
c. palmeri, 600.
c. amphiryta, 600.
- Saxicola aurita, 312.
œnanthe œnanthe, 64.
rubetra rubreta, 499.
stapazina, 312.
torquata rubicola, 499.
- Sayornis phœbe, 54, 251, 401.
sayus, 62, 71, 251.
- Scaëphaëthon rubricaudus rothschildi, 557.

- r. rubricaudus, 557.
 Scaup, Greater, 463.
 Lesser, 463, 471.
 Sclater, W. L., notice of his 'Aves'
 in the Zoological Record, 133.
 Sclerurus mexicanus certus, 310.
 bahia, 310.
 macconnelli, 310.
 peruvianus, 310.
 rufigularis, 219.
 Scolopax rusticola, 512.
 Scoter, White-winged, 10, 37.
 Scotiaptex nebulosa, 20.
 nebulosa, 61.
 Seiurus aurocapillus, 261-404, 532.
 a. furvior, 271.
 motacilla, 404.
 noveboracensis notabilis, 63,
 261.
 Serinus buchanani, 310.
 canarius serinus, 505.
 Seton, Ernest T., on the popular
 names of birds, 229-235.
 Setophaga picta picta, 469.
 rutililla, 43, 262.
 Shearwater, Wedge-tailed, 487.
 Shelldrake, Ruddy, 561.
 Shoveller, 9, 104.
 Shrike, Great Gray, 503.
 Loggerhead, 55, 288, 390, 403.
 Migrant, 474, 523.
 Northern, 259, 473, 484.
 Red-backed, 503.
 White-rumped, 259.
 Woodchat, 503.
 Shufeldt, R. W., review of his 'The
 Skeleton of the Kea Parrot of
 New Zealand (*Nestor notabilis*),'
 131; Australia's effort to save
 her bird fauna, 151-152; notice
 of his 'Notes on the Osteology of
 the Young of the Hoatzin (*Opis-
 thocomus cristatus*) and Other
 Points on its Morphology,' 302;
 a three-legged Robin, 585.
 Sialia currucoides, 263.
 sialis sialis, 56, 405, 524.
 wilsoni, 185.
 Siberia, birds of, 131.
 Sieberocitta, 269.
 Simalur Island, birds of, 601.
 Siskin, 505.
 Pine, 42, 44, 255, 483.
 Sitta carolinensis carolinensis, 524.
 c. tenuissima, 271.
 canadensis, 262, 423, 584.
 europæa europæa, 502.
 pusilla, 56, 590.
 Skimmer, Black, 396.
 Skylark, 508.
 Smith, F. C., Evening Grosbeaks at
 Boonville, N. Y., 573.
 Smithsonian African Expedition,
 634.
 Snipe, Common, 512.
 Wilson's, 12, 39, 51, 61, 398,
 483.
 Snyder, LeRoy, Harris's Hawk in
 Kansas, 567.
 Solitaire, Townsend's, 73.
 Somateria spectabilis, 515.
 Song, 300, 339-348, 528-536.
 Soper, J. Dewey, growth of a young
 Kildeer (*Oxyechus v. vociferus*);
 566; abnormal beak of a Horned
 Lark, 571.
 Sora, 481.
 South America, birds of, 88-89,
 125-127, 273-276.
 'South Australian Ornithologist,'
 reviewed, 143, 441.
 South Carolina, birds of, 489-492,
 118.
 Sparrow, Bachman's, 522.
 Cape Sable Seaside, 86-87.
 Chipping, 44, 55, 402, 522.
 Clay-colored, 257.
 Field, 291, 402, 525.
 Fox, 63, 257, 482.
 Gambel's, 63, 256.
 Harris's, 180-190.
 Hedge, 500.

- Henslow's, 402, 522, 574.
 House, 506.
 Lark, 256.
 Leconte's, 256, 522.
 Lincoln's, 42, 44, 257.
 Nelson's, 54, 256, 522.
 Pine Woods, 403.
 Savannah, 256, 402.
 Scott's Seaside, 54, 402.
 Song, 473, 525.
 Swamp, 55, 257, 403.
 Tree, 38, 114, 482, 506.
 Vesper, 54, 402.
 Western Chipping, 257.
 Western Grasshopper, 287.
 Western Savannah, 256, 402.
 Western Tree, 63, 257.
 Western Vesper, 256.
 White-crowned, 474, 482.
 White-throated, 54, 256.
Spatula clypeata, 9.
Sphyrapicus varius, 250.
 v. varius, 57.
Spinus ictericus magnirostris, 616.
 pinus, 42, 255.
 pinus pinus, 505.
Spiza americana, 388, 522, 575.
Spizaetus batesi, 613.
Spizella,
 canadensis, 272.
 monticola, 272.
 m. monticola, 38, 114.
 m. ochracea, 63, 257.
 pallida, 257.
 passerina arizona, 257.
 p. passerina, 55, 402, 522.
 pusilla, 291, 525.
 p. pusilla, 402.
Spizixus semitorquus, 313.
 Spoonbill, Roseate, 565, 566.
Sporophila bouvroni des, 220,
 223.
 castaneiventris, 223.
 lineola, 220.
 ocellata, 220.
 pileata, 309.
Squatarola squatarola, 52, 105, 265,
 399, 511, 586, 589.
 s. cynosuura, 597.
 Starling, 502.
Steganopus tricolor, 12, 516.
 Stejneger, L., personal mention, 452.
Stelgidopteryx serripennis, 115, 302,
 523.
Stellaria, 418.
Stelleria, 277.
 Stephens, Frank, notice of his 'An
 Annotated List of the Birds of
 San Diego County, California,'
 437.
Stercorarius longicaudus, 276.
 parisiticus, 617.
Sterna anaetheta nelsoni, 596.
 a. recognita, 596.
 antillarum, 396.
 caspia, 395, 514, 617.
 forsteri, 8, 514.
 hirundo, 396.
 maxima, 395.
 sandvicensis aculflavida, 396.
Sternula, 596.
 a. browni, 596.
 Stilt, Black-necked, 587.
 Stone, Witmer, review of his 'Birds
 of the Panama Canal Zone,' 302;
 identifications: reply to P. A.
 Taverner, 317, 448; note on
 Audubon's bibliography, 380; oc-
 currence of the Red Phalarope
 in Pennsylvania, 419; Evening
 Grosbeak in New Jersey, 423;
 early occurrence of the Red-
 breasted Nuthatch in New Jersey,
 423; editions of Baird, Cassin and
 Lawrence's 'Birds of North Amer-
 ica,' 428-430; Jacob Post Giraud
 and his works, 464-472; personal
 mention, 635.
 Stonechat, 499.
Stoporala, 442.
 Storer, Tracy I., see Grinnell,
 Joseph.

- Streptoceryle*, 267.
 alcyon, 272.
 a. caurina, 272.
Streptopelia turtur turtur, 511.
Strix aluco aluco, 510.
 varia helveola, 283.
 v. varia, 518.
Struthio camelus syriacus, 612.
Sturnella, 197.
 magna argutula, 54, 402, 520.
 neglecta, 253.
Sturnus vulgaris vulgaris, 502.
 v. zetlandicus, 312.
Sula bassana, 37.
Sulita, 417.
Surnia ulula, 21.
 u. caparoch, 62.
Swales, B. H., Stilt Sandpiper (*Micropalama himantopus*) in Wyoming, 102.
Swallow, Bank, 44, 63, 403.
 Barn, 259, 403.
 Chimney, 503.
 Cliff, 44, 63, 258, 522.
 Northern Violet-green, 63.
 Rough-winged, 523.
 Tree, 44, 55, 403, 523, 577.
Swan, 11.
 Trumpeter, 564.
Swarth, H. S., notice of his 'Three New Subspecies of *Passerella iliaca*,' 437; personal mention, 635.
Swift, 508.
 Chimney, 44, 401.
Sylvia atricapilla atricapilla,
 communis communis, 500.
 halseyii, 469.
 hortensis hortensis, 500.
 olivacea, 469.
 undata undata, 500.
Sylvietta rufescens transvaalensis,
 140.
Synallaxis brachyurus chapmani,
 601.
 frontalis juae, 274.
 gujanensis huallagæ, 274.
 macconnelli, 612.
 peruviana, 274.
 scutata neglecta, 275.
 semicinerea pallidiceps, 275.
TACHYBAPTUS philippensis, 617.
Tachycineta thalassina lepida, 63.
Tachytiorchis, 567.
 albicaudatus colonus, 568.
 a. exiguus, 568.
 a. sennetti, 568.
Tambelan Islands, birds of, 600.
Tanager, Scarlet, 44, 403, 477.
 Summer, 389.
 Western, 258.
Tanagra aurea cynophora, 145.
 catasticta, 145.
 gnatho, 602.
 laniirostris, 145.
 l. zopholega
 lauta, 602.
 proba, 602.
 minuta, 145.
 olivacea, 573.
 violacea pampolla, 145.
Tangara, 576.
 argentea, 577.
 atrocerulea, 577.
 branickii, 577.
 cabanisi, 577.
 cyanoptera, 577.
 dowi, 577.
 fucosus, 577.
 fulvicervix, 577.
 heinei, 577.
 melanitis, 577.
 nigroviridis, 576.
 vassorii, 577.
Tangavius æneus, 197.
Tapera nævia, 218.
Taraba major approximans, 88.
Taverner, P. A., the birds of the Red Deer River, Alberta, 1-21, 248-265; review of his 'Addenda to the Birds of Jasper Park, Alberta,' 132; review of his 'The Hawks of

- the Canadian Prairie Province in their Relation to Agriculture,' 132; identifications, characters vs. geography, 316, 446-448; notice of his 'Birds of Shoal Lake, Man.,' 617; personal mention, 452.
- Taylor, W. P., an additional record of *Ammodramus savannarum bimaculatus* in eastern Washington, 287.
- Taylor, Warner, further record of the European Widgeon at Madison, Wis., 277.
- Teal, Blue-winged, 9, 103, 397, 455-460.
European, 81.
Green-winged, 9, 50, 60, 104.
Southern, 455-460..
- Telacanthura, 129.
- Telmatodytes palustris, 262.
p. griseus, 392.
p. iliacus, 56.
p. thryophilus, 56.
- Tern, Black, 8, 514.
Cabot's, 396.
Caspian, 395, 514.
Common, 8, 44, 396.
Forster's, 8, 514.
Least, 396.
Royal, 395.
- Texas, birds of, 466.
- Thalassarche, 267.
culminata culminata, 267.
- Thalasseus, 596.
- Thalassidroma, 276.
- Thalassoaëtus pelagicus, 443.
- Thalassogeron, 267.
chrysostomus culminatus, 267.
- Thamnophilus amazonicus, 219.
- Thayer, A. H., exhibition of pictures illustrating camouflage, 158.
- Thereiceryx lineatus intermedius, 310.
- Thrasaëtos harpyia, 272.
- Thrasher, Brown, 56, 262, 392, 405.
- Thraupis palmarum melanoptera, 220.
p. palmarum, 220.
- Thrush, Gray-cheeked, 63.
Hermit, 45, 56, 263, 405.
Mistle, 498.
Olive-backed, 45, 63, 342, 345, 471, 478.
Russet-backed, 263.
Song, 498.
Willow, 263.
- Thryomanes bewicki bewicki, 405.
- Thryothorus ludovicianus ludovicianus, 56, 289, 392, 405, 583.
- Thryospiza mirabilis, 86-87.
- Thyellodroma chlororhyncha, 267.
cuneata, 267.
- Tiga javensis, 286.
- Tinamou, 223-225.
- Tinamus, 223-225.
subcristatus, 225.
- Tit, Long-tailed, 501.
Great, 501.
Blue, 501.
Crested, 502.
- Titmouse, Tufted, 56, 524.
'Tori,' reviewed, 616.
- Torrey, Ruth M., and Knight, Martha G., a self-tamed Ruffed Grouse, 279.
- Totanus melanoleucus, 12, 52, 264, 399.
flavipes, 12, 37, 105, 264.
- Tothill, John D., notice of his 'The Meaning of Natural Control,' 608.
- Toucan, 225.
- Towhee, 403.
Arctic, 258.
Spurred, 73.
White-eyed, 55, 388.
- Townsend, C. W., announcement of a supplement to his 'Birds of Essex County, Mass.,' 158; note on Audubon's Labrador trip, 424; destruction of sea birds in Labrador, 427; feeding of Grackles, 627.
- Toxostoma redivivum helvum, 271.
rufum, 56, 262, 392, 405.
- Treron calva pensis, 312.
c. brevicauda, 312.

- c. sejuncta*, 312.
curvirostra heineni, 312.
Tribonyx ventralis, 418.
Tringa, 596.
 canutus, 105, 516.
 glareola, 512.
 nebularia, 513.
 ocrophus, 512.
 totanus, 512.
Triorchis, 282.
Troglodytes aëdon aëdon, 56, 405.
 aë. parkmani, 262.
 troglodytes troglodytes, 502.
 Tropic-bird, Yellow-billed, 587.
Trupialis bellicosus, 197.
 defillipi, 197.
 falklandicus, 197.
 militaris, 197.
Tryngites subruficollis, 516.
Tschagra senegala sudanensis, 140.
Turacus, 311.
Turdus merula merula, 498.
 minor, 471.
 musicus, 498.
 olivaceus, 471.
 philomelus philomelus, 498.
 pilaris, 498.
 solitarius, 471.
 viscivorus viscivorus, 498.
 Turnstone, Ruddy, 105, 400.
 Tuttle, H. E., some notes on the drumming of the Ruffed Grouse, 325-339.
Tympanuchus americanus, 13.
Tyrannus tyrannus, 41, 251, 387, 401.
 verticalis, 71, 251.
Tyto alba pratincola, 272.
 perlata pratincola, 272.
 U. S. NATIONAL Museum, growth of collection of, 322.
 U. S. National Parks, birds of, 322.
Upupa epops epops, 509.
Uria ringvia, 596.
Urochroma batavica, 218.
Urodynamis taitensis belli, 310.
Urogalba paradisea, 286.
 Utah, birds of, 565.
 VANELLUS *vanellus*, 512.
 VanOort, E. D., review of his 'Birds of the Netherlands,' 127.
 Veles, 304.
 Venezuela, birds of, 419.
Vermivora celata, 260.
 c. celata, 55, 404, 579, 588.
 chrysoptera, 292.
 lawrencei, 237.
 leucobronchialis, 237, 292.
 peregrina, 42, 260, 583.
 pinus, 291, 292, 525.
 ruficapilla, 293.
 Vermont, birds of, 282.
 Vetola, 596.
Vidgenia, 130, 300.
Vireo, Blue-headed, 44, 55, 259, 404, 478.
 Philadelphia, 42, 259, 481, 486.
 Red-eyed, 478, 588.
 Solitary, 294.
 Warbling, 259, 475, 478.
 White-eyed, 390.
Vireo griseus griseus, 390.
Vireosylva gilva gilva, 259.
 olivacea, 38, 115, 259, 390, 588.
 philadelphica, 42, 259, 486.
 Virginia, birds of, 574, 575.
Vultur bengalensis, 548.
 kolbii, 548.
 monachus, 548.
 papa, 548.
 percnopterus, 548.
 tracheliotus, 548.
 Vulture, Black, 52, 400.
 Turkey, 52, 400, 517, 567.
 WAGTAIL, Gray-headed, 507.
 White, 507.
 Warbler, Alaska Yellow, 63.
 Bay-breasted, 43, 45, 226, 340, 345, 475, 477.
 Black-and-White, 44, 259.

- Blackburnian, 226, 342-343, 589.
- Black-throated Blue, 45, 226, 294, 474, 475, 477, 523, 579, 589.
- Black-throated Green, 43, 45, 226, 261, 342-347, 474, 475, 589.
- Black-poll, 226, 261, 475, 482.
- Blue-winged, 291, 292, 525, 579.
- Canada, 45, 262, 294, 474, 475, 589.
- Cape May, 38, 45, 226, 340, 476, 481.
- Cerulean, 582.
- Cetti's, 500.
- Chestnut-sided, 340, 345, 475, 476, 589.
- Dartford, 500.
- Garden, 500.
- Golden-winged, 292, 579.
- Hooded, 45, 262, 589.
- Kentucky, 523.
- Lawrence's, 579.
- Magnolia, 45, 226, 261, 342-346, 475, 589.
- Myrtle, 45, 55, 63, 226, 260, 341, 342, 404, 483, 581.
- Nashville, 45, 293, 342, 474, 476, 482, 589.
- Northern Parula, 43, 45, 342, 474, 475.
- Orange-crowned, 55, 260, 404, 579, 588.
- Palm, 55, 261.
- Parula, 390, 404.
- Pine, 55, 404, 474, 481.
- Prairie, 391, 404, 523, 589.
- Prothonotary, 523, 588.
- Sedge, 500.
- Tennessee, 42, 45, 260, 474, 481, 482, 583.
- Wayne's, 489-492.
- Willow, 500.
- Wilson's, 45, 262, 474, 481.
- Yellow, 39, 45, 226, 260, 341, 475, 476, 589.
- Yellow Palm, 43, 45, 404, 474, 482.
- Yellow-throated, 55, 404, 580, 588.
- Warsaw Museum, birds of the, 461.
- Washington, birds of, 287.
- Water-Thrush, 476.
- Grinnell's, 63, 261.
- Louisiana, 404, 589.
- Water-Turkey, 283.
- Waxwing, Bohemian, 259.
- Cedar, 259, 342, 523.
- Wayne, Arthur T., correction to his 'Some Additions and other Records new to the Fauna of South Carolina,' 118; early nesting of the Loggerhead Shrike (*Lanius ludovicianus*) at Savannah, Ga., 288; the nest and eggs of Wayne's Warbler taken near Mt. Pleasant, S. C., 489-492.
- West Chester Bird Club, 606.
- West Indies, birds of, 136.
- Wetmore, Alexander, notes on the structure of the palate in the Icteridae, 190-197; review of his 'On the Anatomy of Nyctibius with Notes on Allied Birds,' 135; review of his 'Bones of Birds Collected by Theodor De Booy from Kitchen Midden Deposits in the Islands of St. Thomas and St. Croix,' 136; a note on the decrease of the Carolina Wren near Washington, 289; notice of his observations of lead poisoning in ducks, 301, 605.
- Weygandt, Cornelius, Waterton on bird song, 118.
- Wheatear, 64, 489.
- Whip-poor-will, 475, 519.
- White, Francis Beach, the Dickcissel in New Hampshire, 288.
- White, S. A., notice of his 'The Gawler Range,' 601; notice of his 'Ooldea on the East-West Railway,' etc. 601.

- Whitethroat, 500.
Widgeon, American, 60.
 European, 277, 514, 560.
Wiley, Leo, obituary notice of, 629.
Willet, 12, 385.
 Western, 52, 399.
Williams, John, notes from St. Marks, Florida, 586.
Williams, R. W., winter birds of East Goose Creek, Florida, 45-56.
Wilmot, Nelson E., Killdeer (*Oxyechus vociferus*) in West Haven, Conn., 105.
Wilson, Alexander Capt. Brown's illustrations to the American Ornithology of, 623.
Wilson, Etta S., late nesting of the Red-eyed Vireo in Detroit, Mich., 115; Snowy Owl in Detroit, Michigan, 569; strange conduct of a Robin, 584.
Wilson, Francis M., notice of his brief on the Migratory Bird Treaty, 606.
 'Wilson Bulletin, The,' reviewed, 130, 308, 611.
Wilsonia canadensis, 262.
 citrina, 391.
 pusilla pusilla, 262.
Winchat, 499.
Wisconsin, 277.
Witherby, H. F., et al, review of their 'A Practical Handbook of British Birds,' 432, 597.
Witherby, H. F., personal mention, 635.
Woodcock, 37, 512.
Woodlark, 508.
Woodpecker, Alaska Three-toed, 62, 70.
 Arctic Three-toed, 40, 110, 250, 421.
 Downy, 608.
 Great Spotted, 509.
 Green, 509.
 Hairy, 608.
 Lesser Spotted, 509.
 Northern Hairy, 40, 248.
 Northern Pileated, 293.
 Pileated, 53, 250, 484, 588.
 Red-bellied, 53, 401.
 Red-headed, 386, 401, 519.
 Red-cockaded, 53, 401.
 Rocky Mountain Hairy, 301.
 Southern Downy, 53, 401.
Wren, 502.
 Bewick's, 405.
 Carolina, 56, 289, 392, 405, 583.
 Fire-crested, 501.
 House, 56, 405, 479.
 Long-billed Marsh, 262.
 Prairie Marsh, 56.
 Short-billed Marsh, 524, 583.
 Western House, 262.
 Worthington's Marsh, 392.
Wright, A. H., Henslow's Sparrow in New York and Virginia, 574; the Dickcissel in Virginia, 575; the Yellow-throated Warbler in central New York, 580.
Wright, Horace W., Arctic Three-toed Woodpecker (*Picoides arcticus*) at Belmont, Mass., 110; Black Duck nesting in Boston Public Garden, 355-367.
Wyoming, birds of, 102, 276.
- XANTHOCEPHALUS xanthocephalus, 520.
Xanthopsar imthurmi, 197.
Xenicopsoides, 273.
Xenops genibarbis cayensis, 310.
Xiphocolaptes bahiae, 540.
Xiphorhynchus guttatooides, 219.
 guttatus sororius, 219.
 pardalotus, 220.
- YELLOW-LEGS, 37, 103, 105, 264.
 Greater, 12, 52, 103, 264, 483.
 Lesser, 12.
Yellow-throat, Florida, 55, 404.
 Maryland, 341, 342, 475.
 Western, 261.

- Yungipicus mitchellii, 303.
moluccensis, 303.
- ZAMELODIA, 115.
ludoviciana, 114, 258, 403.
melanocephala, 258.
microrhyncha, 410, 414.
- Zenaida auriculata noronha, 309.
zenaida, 400.
- Zenaidura macroura carolinensis, 37,
52, 106, 400.
- Zimmer, J. T., notice of his 'A Few
Birds from Luzon and Mindoro,'
135.
- Zonotrichia albicollis, 54, 256, 342.
leucophrys gambeli, 63, 256.
querula, 180-190.
- Zoonavena, 129.
francica oberholseri, 130.
- Zosterops atrifrons, 599.
bayeri, 443.

ERRATA.

- Page 15, line 4, for *hudsonicus* read *hudsonius*.
" 37, " 15 from bottom, for *hudsonicus* read *hudsonius*.
" 71, " 12 from bottom, for *sayi* read *sayus*.
" 138, " 20, for county read country.
" 143, " 21, for K. read M.
" 145, " 8 from bottom, for Lawler read Lawyer.
" 153, " 11, for Oberholder read Oberholser.
" 157, " 18 from bottom, for L. H. read S. H.
" 162, " 9, for Lieut. read Lieut.-Col.
" 163, " 4, for December 26 read December 25.
" 286, " 16, for Megalaima read Megalæma.
" 304, " 22 for *Peles* read *Veles*.
" 308, " 9 from bottom, for Erkblaw read Ekblaw.
" 309, " 16, for Simonds read Simons.
" 310, " 2 from bottom for Woodchuck read Woodcock.
" 312, " 16, for *Nothorchilus* read *Notorchilus*.
" 323, " 10, for 85 read 83.

DATES OF ISSUE.

- Volume XXXV, No. 4.—October 16, 1918.
Volume XXXVI, No. 1.—January 5, 1919.
Volume XXXVI, No. 2.—April 8, 1919.
Volume XXXVI, No. 3.—June 28, 1919.