

## INDEX TO VOLUME XLVII

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

- ABBOTT, Clinton G., urban Burrowing Owls, 564.  
*Acanthis linaria rostrata*, 97.  
*Accentor*, Chinese Mountain, 200.  
    Red-rumped, 199.  
*Accipiter nisus nisosimilis*, 201.  
*Acrocephalus concinens hokrae*, 446.  
*Actitis macularia*, 45, 266, 425, 536.  
Aeworth, Bernard, review of his 'This Bondage,' 585.  
Adams, William C., letter on game bird protection, 210.  
*Aegialitis meloda*, 96.  
    *semipalmata*, 98, 365.  
*Aegypius monachus*, 295.  
*Aesalon columbarius*, 120.  
    *c. pacificus*, 120.  
*Aethia cristatella*, 356.  
    *pusilla*, 356.  
Africa, birds of, 85, 105, 116, 119, 159, 273, 274, 285, 418, 435, 440, 448, 465, 582, 590.  
*Agelaius phoeniceus arctolegus*, 97.  
    *p. costaricensis*, 444.  
    *p. phoeniceus*, 538.  
*Agropsar sturninus*, 201.  
*Agyrtria candida pacifica*, 114.  
Aiken, C. E. H., a Bobwhite  $\times$  California Quail hybrid, 80; an ancient bird skin, 101.  
*Aix sponsa*, 94, 553, 574.  
*Ajaia ajaja*, 75, 554.  
Akeley, Carl, biography of, 105.  
Akeley, Mary L. Job, review of her 'Carl Akeley's Africa,' 105.  
Alabama, birds of, 437, 555.  
'Alauda,' reviewed, 126, 292, 448, 597.  
Albatross, Black-footed, 360.  
    Sooty, 414.  
    Yellow-nosed, 414.  
Alberta, birds of, 243, 533.  
*Alcipornis poiocephala alearis*, 440.  
*Alectoris graeca pubescens*, 198, 543.  
Allard, H. A., Duck Hawk and the evening incoming of the Starlings at Washington, 82; bill deformity in a Catbird, 93.  
*Alle alle*, 65.  
    *a. polaris*, 442.  
Allen, Arthur A., review of his 'The Book of Bird Life,' 432.  
Allen, Devere, Killdeer in Connecticut, 561.  
Allen, Francis, H. the song of Bicknell's Thrush: a correction, 263.  
Allen, Glover M., obituary of George C. Deane, 456; and Walter Deane, 602.  
*Allenia apicalis*, 46.  
Allert, Oscar P., Rocky Mountain Orange-crowned Warbler in Iowa, 570.  
*Amaurornis phoenicura chinensis*, 201.  
*Amazona ventralis*, 483.  
A. O. U., annual meetings of, 136, 310, 312, 464, 608; forty-seventh stated meeting of, 218-230; report of the secretary of, 231-237; deceased members of, 311; vacancies in membership in, 311; fiftieth anniversary, 607.  
A. O. U., Check List, 310, 463.  
*Ammospiza nelsoni*,  
*Anas bahamensis*, 73.  
    *fulvigula maculosa*, 515.  
    *platyrhynchos*, 362, 524, 530, 553.  
    *p. platyrhynchos*, 200, 535.  
    *poeoclyrhyncha zonorhyncha*, 201.

- Anas rubripes*, 530, 553.  
     *r. tristis* 524.  
*Anhinga*, 514.  
*Ani*, 484.  
*Anser albifrons*, 535.  
     *a. albifrons*, 552.  
     *fabalis*, 243.  
*Anteliotringa tenuirostris*, 543.  
*Anthracothorax dominicus*, 483.  
     *violicauda pinchoti*, 442.  
*Anthus novaeseelandiae taupoensis*, 291.  
     *rubescens*, 57, 200.  
*Antrostomus cubanensis ekmani*  
     483.  
     *ekmani*, 119.  
     *vociferus vociferus*, 525.  
*Apalis*, 117.  
*Aphelocoma caerulescens*, 448.  
*Apoa*, 436.  
‘*Aquila*,’ reviewed, 130.  
*Aquila chrysaëtos*, 443.  
*Aramus giganteus*, 267.  
*Aratinga chloroptera chloroptera*,  
     483.  
*Archibuteo lagopus sanctijohannis*,  
     537.  
Arctic Ocean, birds of, 353.  
*Arctonetta fischeri*, 363.  
‘*Ardea*,’ reviewed, 295.  
*Ardea cinerea jouyi*, 543.  
     *herodias*, 525, 536.  
     *h. adoxa*, 45, 486.  
     *leuconotus*, 117.  
     *i. morinella*, 45, 266, 426, 436,  
         552.  
*Argya caudatus theresae*, 445.  
*Arkansas*, birds of, 32–40.  
*Armstrong*, Edward E., obituary  
     of, 459.  
*Arnold*, Edward, obituary of, 457.  
*Arquatella maritima couesi*, 365.  
*Ashby*, Edwin, notice of his ‘Fauna  
     of Dirk Hartog Island,’ 285.  
*Asia*, birds of, 111, 286.  
*Asio flammeus*, 324, 537.  
*Asio f. flammeus*, 253.  
     *otus otus*, 544.  
     *wilsonianus*, 252, 324, 525.  
*Astragalinus tristis*, 268.  
*Astur atricapillus*, 537.  
*Atrichornis*, 107.  
*Attila spadiceus pacificus*, 113.  
     *s. salvadorensis*, 285.  
*Audubon*, John James, biography  
     of, 103.  
     journals of, published, 312; re-  
         viewed, 431.  
Audubon copper plate, 580.  
*Auk*, Great, 136.  
‘*Auk, The*,’ in public libraries, 609.  
*Auklet*, Crested, 356.  
     Least, 356.  
     Paroquet, 356.  
*Aulacorhynchus prasinus*, 290.  
     *p. stenorhabdus*, 290.  
     *p. volcanius*, 290.  
*Austin*, Oliver L. Jr., ‘birds from  
     British Honduras,’ 116; Blue  
     Grosbeak on Cape Cod, Mass.,  
     257.  
Australia, birds of, 106, 285.  
*Automolus ochrolaemus amusos*,  
     116.  
‘*Aves*’ for 1928, reviewed.  
‘*Avicultural Magazine, The*,’ re-  
     viewed, 125, 296, 451.  
‘*Aviculture*,’ reviewed, 123, 451.  
*Avocet*, 517.  
     American, 577.  
*Azores*, birds of, 114.  
  
**BABBLER**, David’s Hill, 199.  
     Pekin Hill, 199.  
*Baeolophus bicolor*, 262, 532.  
*Baerg*, W. J., the song period of  
     birds of northwest Arkansas,  
     32–40; Starling in Arkansas, 256.  
*Bagg*, Aaron C., obituary of, John  
     A. Farley, 461.  
*Bailey*, A. M., notice of his ‘The  
     Upland Plover,’ 440.

- Bailey, H. H., notice of his recent papers on Florida birds, 439.  
Bailey, Vernon, notice of his 'Animal Life of Yellowstone National Park,' 581.  
Baker, E. C. Stuart, review of his 'Synonymy of the Birds of British India,' 433.  
Baker, John H., Turkey Vulture in West Chester Co., N. Y., 251; Arkansas Kingbird on Long Island, N. Y., 254; notes on Jamaican birds, 269.  
Balaeniceps, 160.  
Baldupte, 428, 535, 552, 553, 574.  
Baldwin, S. Prentiss, see Lincoln, F. C., also Kendeigh, S. C.  
Baldwin bird research laboratory, 613.  
Ball, Stanley C., Sharp-tailed Sandpiper in California, 417.  
Ball, William Howard, notes from Washington, D. C., 94; notes from eastern Maryland, 94; Short-billed Marsh Wren in Maryland, 262; grave of Charles Bonaparte, 462; Snowy Egret near Washington, D. C., 558; Great Horned Owl breeding in the District of Columbia, 565.  
Bancroft, Griffing, notice of his 'A New Pacific Race of the Gull-billed Tern,' 285.  
Bangs, Outram, the Screech Owls of eastern United States, 403-404; review of his 'Types of Birds now in the Museum of Comparative Zoology,' 434; notice of his 'A Trembler new to Science' 118; notice of his 'An Undescribed Form of the Greater Vasa Parrot,' 118.  
Bangs Outram, and van Tyne, Josselyn, notice of their 'Descriptions of five new Indo-Chinese Birds,' 440.  
Bannerman, D. A., see Lowe, P. R.  
Barbados, birds of, 284.  
Barbour, Thomas, personal mention, 431.  
Bartramia longicauda, 78, 95, 562.  
Bates, G. L., review of his 'Handbook of the Birds of West Africa,' 273.  
'Batteleur, The', reviewed, 126, 292, 447, 597.  
Beaupre, Edwin, obituary of, 603.  
Beck, Herbert, H., Yellow-crowned Night Heron in Lancaster County Pa., 555.  
Beck, Rollo H., notice of his account of New Guinea, 110.  
'Beitrage zur Fortpflanzungsbiologie der Vogel,' reviewed, 129, 294, 449, 598.  
Bender, R. O., Golden Plover near Dover, Delaware, 80.  
Bent, A. C., obituary of Francis C. Willard, 455.  
Bergtold, W. H., egg weights and measurements, a correction, 271; Snow Bunting in Colorado, 421; Blue Grosbeak in Colorado, 421; intoxicated Robins, 571.  
Berier, De Lagnel, obituary of, 307.  
Bering Sea, birds of, 353.  
Berlepsch, Hans von, notice of his 20th and 21st 'Annual Reports of the Seebach Station for Bird Protection,' 285.  
Berry, John, notice of his paper on Ducks of Fife, 440.  
Bhringa remifer latipatula, 119.  
Bigelow, W. S., obituary of, 602.  
Bird, R. D., some bird records for Oklahoma, 269.  
Bird, Scrub, 107.  
Bird Banding, 279, 290, 442, 445.  
'Bird Banding,' reviewed, 290, 442, 594.  
Bird Conservation in Europe, 464.

- 'Bird-Lore,' reviewed, 121, 287, 443, 592.
- Bird Poems, 433.
- Bird Protection in England, 16.
- Birds of Paradise, 109.
- Bittern, 246, 247, 427, 512, 525, 536.  
Least, 428, 512.
- Blackbird, Brewer's, 565, 579.  
British, 19.  
Red-winged, 78, 538.  
Rusty, 510, 538.  
Yellow-headed, 538.
- Blake, Emmet R., the first appearance of the Starling in South Carolina, 87.
- Blincoe, Ben. J., Leach's Petrel in Ohio, 72.
- Bluebird, 100, 373.  
Mountain, 101.  
Western, 63.
- Boas, J. E. V., notice of his 'Structure of the Bird's Wing,' 110.
- Bobolink, 427, 509.
- Bobwhite, 80, 268.
- Bocage, Barboza du, biographical note, 460.
- Bombycilla cedrorum, 53, 88, 260,  
540  
garrula, 53, 70.  
g. pallidiceps, 578.
- Bonaparte, Charles Lucien, biographical note, 462.
- Bonasa umbellus, 537.
- Bond, James, notice of his 'A New Tanager from the Massif de la Selle, Haiti,' 118; personal mention, 136; notes on the birds of St. Croix, U. S. V. I., 270.
- Borneo, birds of, 108.
- Boston Public Garden, birds of, 523.
- Botaurus lentiginosus, 246, 247, 525, 536.
- Bowdish, B. S., an attempt to restore the Cliff Swallow to New Jersey, 189-193; letter on game bird protection, 212; obituary of Justus von Lengerke, 306.
- Bowen, W. Wedgwood, personal mention, 136; notice of his papers on African birds, 285, 440, 590.
- Bowles, J. H., see Decker, F. R.
- Brachyrhamphus marmoratus, 356.  
brevirostris, 356.
- Bradshaw, F., notice of his 'Sage Grouse in Saskatchewan,' 285.
- Brady, Ethel W., Evening Grosbeak in Delaware, 420.
- Brant, 66, 244, 552.  
Black, 364.
- Branta bernicla glaucogaster, 66, 244  
b. hrota, 552.  
canadensis, 536.  
c. occidentalis, 364.  
c. minima, 364.  
nigricans, 364.
- Brazil, birds of, 114.
- Breckenridge, W. J., notice of his 'Breeding of Nelson's Sparrow in Minnesota,' 584; of his 'A Hybrid Passerina,' 584.
- Briania, 446.
- 'British Birds,' reviewed, 124, 291, 446, 595.
- British Ornithologists' Club, 'Bulletin' reviewed, 124, 291, 445, 595.
- Broderipia, 446.
- Broderipornis, 446.
- Broderipus, 446.
- Brodkorb, Pierce, notes from Illinois, 97; notes on some birds uncommon in northern Illinois, 577.
- Brooks, A. B., Yellow-crowned Night Heron, taken at Wheeling, West Virginia, 75.
- Brooks, Maurice G., notes on the Woodcock in central West Virginia, 248.
- Brooks, W. Sprague, nest and eggs of *Pisobia ruficollis*, 76.

- Bubo virginianus, 370, 565.  
v. heterocnemis, 94.  
v. subarcticus, 69, 537.
- Bubuleus ibis coronatus, 201.
- Buffle-head, 66, 363, 428.
- Bull, D. Bernard, nesting of Trudeau's Tern, 335.
- Bullfinch, Gray-backed, 199.  
Hopei, 199.  
Oriental, 199.  
Ridgway's, 47.
- Bullock, Dilman S., notice of his 'Birds of Angol, Chile,' 116.
- Bunker, C. D., the Starling in Kansas, 256.
- Bunting, Henry, Tufted Titmouse and Towhee at Madison, Wis. in winter, 262.
- Bunting, Chinese Meadow, 545.  
Indigo, 511, 526.  
Lazuli, 51, 539.  
Snow, 97, 421, 526, 538.
- Burggraf, James, Migrant Shrike in New York in winter, 260.
- Burleigh, Thomas D., notes on the bird life of northwestern Washington, 48-63.
- Bush-tit, 61.
- Buteastur indicus, 200, 543.
- Buteo borealis borealis, 384, 537.  
b. jamaicensis, 270, 483.  
japonicus saturatus, 286.  
platypterus, cubanensis, 563.  
p. insulicola, 563.  
p. platypterus, 83, 563.
- Butler, Amos W., Roseate Spoonbill in Florida, 75, 416.
- Butorides atricapilla, 465.  
striatus connectens, 449.  
virescens maculatus, 45, 485.  
v. virescens, 525.
- Buzzard-Eagle, Gray-faced, 543.
- Bycanistes cristatus brevis, 119.
- CABALUS, 291.
- Cahn, Alvin R., and Kemp, Jack T.,
- on the food of certain Owls in east-central Illinois, 323-328.
- Cairina moschata, 484.
- Calcarius lapponicus, 420.
- Calidris canutus, 425.
- California, birds of, 278, 417, 564.
- Caloardea, 117.
- Calyptophilus frugivorus selleanus, 118.
- Cameroon, birds of, 273.
- Campbell, Archibald James, obituary, 133.
- Campostoma imberbe ridgwayi, 591.
- Canada, birds of, 61, 276, 277, 533.
- Canadian bird cards, 276.
- Canutus canutus rufus, 577.
- Canvasback, 428, 530, 535, 574.
- Capella delicata, 536.
- Caprimulgus minor, 85.  
ridgwayi minor, 85, 114.  
r. troglodytes, 85.
- Caracara, Audubon's, 267.
- Cardinal, 39, 70, 115, 512.  
Gray-tailed, 520.
- 'Cardinal, The,' reviewed, 288, 593.
- Cardinalis cardinalis cardinalis, 70.
- Carduelis carduelis, 566.
- Carpodacus mexicanus, 590.  
m. obscurus, 590.  
m. sayi, 590.  
m. smithi, 590.  
pulcherrimus davidi, 200.  
purpureus purpureus, 538.
- Casmerodus albus egretta, 486.  
egretta, 73, 74, 99, 530, 556, 557, 559.
- 'Cassinia,' reviewed, 289.
- Casuarinus uniappendicularius multicolor, 447.
- Catbird, 93, 94, 372.
- Cathartes aura septentrionalis, 81, 250, 251, 270.
- Catoptrophorus semipalmatus ornatus, 578.  
s. semipalmatus, 266, 561.

- Central America, birds of, 441.  
*Centurus aurifrons*, 520.  
     <sub>carolinus</sub>, 532.  
*Cephus columba*, 357.  
     <sub>grylle</sub>, 242.  
     <sub>mandti</sub>, 65, 356.  
*Certhneis sparveria tropicalis*, 441.  
*Certhia brachydactyla bureaui*, 448.  
     <sub>familiaris occidentalis</sub>, 59.  
*Ceryle alcyon*, 537.  
     <sub>lugubris guttulata</sub>, 202.  
*Chachalaca*, 521.  
*Chaetopus*, 117.  
*Chalcoparia singalensis assamensis*, 446.  
*Chamaepelia miuta interrupta*, 114.  
     <sub>passerina insularis</sub>, 484.  
     <sub>p. trochila</sub>, 46.  
*Chamaethlypis poliocephala ridgwayi*, 441.  
*Chapin*, James P., notice of his 'A New Bower-bird of the Genus *Xanthomelas*', 118; notice of his 'Geographic Variation in the African Scops Owls,' 440; see also *Murphy*, Robert C.  
*Chapinoftyx*, 117.  
*Chapman*, Frank M., a new race of *Phibalura flavirostris* from Bolivia, 87; review of his 'My Tropical Air Castle,' 104; notice of his 'New Birds from Mt. Duida,' 113.  
*Charadrius alexandrinus dealbatus*, 202.  
     <sub>dominiculus fulvus</sub>, 366.  
     <sub>hiaticula</sub>, 293.  
     <sub>h. tundrae</sub>, 294.  
     <sub>h. psammodroma</sub>, 294.  
     <sub>h. placidus</sub>, 294.  
     <sub>h. semipalmatus</sub>, 294, 426.  
     <sub>melodus</sub>, 250.  
     <sub>semipalmatus</sub>, 486.  
*Charitonetta albeola*, 66, 363.  
*Chasen*, F. N. and *Kloss*, C. Boden, recent papers on Malayan birds, noticed, 583.  
     *Chat*, Yellow-breasted, 520, 524, 576.  
*Chaulelasmus streperus*, 553.  
*Chen caerulescens*, 416, 577.  
*Chibia hottentotta brevirostris*, 203.  
*Chickadee*, 39.  
     <sub>Acadian</sub>, 526.  
     <sub>Black-capped</sub>, 527.  
     <sub>Carolina</sub>, 269.  
     <sub>Chestnut-backed</sub>, 61.  
     <sub>Labrador</sub>, 71.  
     <sub>Long-tailed</sub>, 541.  
     <sub>Oregon</sub>, 60.  
*Chile*, birds of, 116.  
*China*, birds of, 194, 542, 583, 585.  
*Chionophilus*, 111.  
*Chisholm*, Alec. H., review of his 'Birds and Green Places,' 106.  
*Chizaerhis leucogaster*, 117.  
*Chlidonias nigra surinamensis*, 98, 535.  
*Chlorophoneus sulfureopectus*, 285.  
     <sub>s. fricki</sub>, 285.  
*Chondestes grammacus*, 375, 578.  
*Chordeiles acutipennis texanus*, 514.  
     <sub>virginianus sennetti</sub>, 269.  
     <sub>v. virginianus</sub>, 538.  
*Chough*, 199.  
*Christy*, Bayard H., British birds at a glance, 11-21.  
*Chrysopetes striatus*, 484.  
*Cincoptilus ruficauda sola*, 118.  
*Cinclus mexicanus unicolor*, 487.  
*Circus hudsonicus*, 423, 537, 577.  
*Cirrhipedesmus mongolius mongolius*, 543.  
*Cistothorus stellaris*, 262, 572.  
*Clangula clangula americana*, 363.  
     <sub>islandica</sub>, 363.  
*Claravis mondetoura*, 591.  
     <sub>m. pulchra</sub>, 591.  
     <sub>m. umbrina</sub>, 591.  
     <sub>salvini</sub>, 591.  
*Club van Nedelandische Vogelkundigen*, 'Orgaan,' reviewed, 449.

- Cock, Water, 201.  
*Coccyzus americanus americanus*, 378.  
  *erythrophthalmus*, 523.  
  *minor teres*, 484.  
*Coereba, bartolemica*, 47.  
*Coffin, Mrs. Francis H., Blue-Gray Gnatcatcher at Throop, Pa.*, 93.  
*Colaptes auratus luteus*, 371, 538.  
*Cole, L. J., and Hawkins, L. E., notice of their 'Porcupine Pigeons'*, 590.  
*Colinus leucotis panamensis*, 288.  
  *virginianus*, 268, 270.  
*Collin, Alb., notice of his 'Index Ornithologicus'*, 113, 436.  
*Collinge, W. E., review of his 'Food of Corvidae'*, 586.  
*Collocalia originis*, 86.  
*Coloeus dauuricus dauuricus*, 200.  
Colorado, birds of, 247, 421.  
*Columba leucocephala*, 483.  
  *livia domestica*, 483.  
  *rupestris austrina*, 591.  
  *squamosa*, 46, 483.  
*Colymbus auritus*, 534.  
  *dominiculus dominicus*, 485.  
  *holboelli*, 238, 240, 354, 412, 574.  
*Compsothlypis americana pusilla*, 47.  
'Condor, The,' reviewed, 121-122, 287, 443, 592.  
Connecticut, birds of, 93, 416, 417, 561.  
*Conover, H. B., notice of his 'A new species of Francolin from Abyssinia,'* 440; 'A new Pigeon from Siam,' 440.  
*Coot*, 427, 516, 536, 561.  
*Coracina gascognensis*, 292.  
*Coracopsis vasa wulsini*, 118.  
  *v. drouhardi*, 118.  
*Coragyps occidentalis*, 443.  
  *urubu*, 81.  
*Cormorant, Chinese*, 200, 542.  
  *Common*, 529.  
*Cormorant, Double-crested*, 276, 429, 529.  
  *Mexican*, 515.  
  *Pelagic*, 362, 542.  
  *Red-faced*, 362.  
  *White-crested*, 362.  
*Corning Howard, editorship of Audubon's Journals*, 431.  
*Corvus b. brachyrhynchus*, 538.  
  *caerulescens*, 448.  
  *corax principalis*, 255.  
  *c. ussurianus*, 199.  
  *palmarum palmarum*, 484.  
  *torquatus*, 203.  
*Coturnicops noveboracensis*, 68, 531.  
*Cowbird*, 267, 290, 419, 538.  
  *Red-eyed*, 520.  
*Cowles, Raymond B., the life history of Scopus umbretta bannermani*, in Natal, South Africa, 159-176; notes on the nesting of the Green Heron *Butorides atricapilla* of South Africa, 465.  
*Cram, Eloise B., birds as a factor in the control of a stomach worm of swine*, 380-384.  
*Crandall, Lee S., notice of his papers on Birds of Paradise*, 109.  
*Crane, Little Brown*, 364.  
  *Sandhill*, 101, 276.  
  *Sarus*, 559.  
*Creciscus jamaicensis*, 95.  
*Creeper, California*, 59.  
  *St. Bartholomew Honey*, 47.  
  *Tree*, 12.  
*Criddle, Normen, notice of his paper on fluctuation of Grouse in Manitoba*, 440.  
*Criniferooides*, 117.  
*Crocethia alba*, 536.  
*Crosby, Maunsell S., in memoriam Newbold T. Lawrence*, 7-10.  
*Crossbill, Newfoundland*, 70.  
  *Red*, 526, 538.  
*Crossoptilon manchuricum*, 198.  
*Crotophaga ani*, 484.

- Crow, 538.  
 Palm, 484.  
 White-necked, 203.
- Cryptoglaux funera richardsoni*, 68.
- Cuckoo, Black-billed, 510, 523.  
 Common, 544.  
 European, 291.  
 Mangrove, 484.  
 Yellow-billed, 267, 378, 512, 521.
- Cuckoo-Shrike, Black-winged, 202.
- Cuculus canorus fallax*, 449.  
 c. *telephonus*, 544.
- Curlew, Bristle-thighed, 365.  
 Eastern, 543.  
 Hudsonian, 96, 248, 424, 429, 572.  
 Long-billed, 517, 531.
- Cursonia crispifrons saxatilis*, 440.
- Cyanocitta cristata*, 372.  
 c. *cristata*, 97.  
 c. *florincola*, 97, 513.
- Cyanocorax affinis zeledoni*, 320.
- Cyanorhamphus auriceps novana*, 291.
- Cygnus columbianus*, 536.
- Cyornis*, 583.  
 tricolor notatus, 446.
- Cypseloides niger borealis*, 98.
- DAFILA acuta**, 363.  
 acuta *tzitzihoa*, 530, 535, 553.  
 bahamensis, 270.
- Dalgleish, John James, obituary of, 305.
- Danforth, Stuart T., notes on the birds of St. Martin and St. Eustatius, 44-47.
- 'Danske-Fugle,' reviewed, 295, 450.
- Darcus, S. J., notice of his notes on birds of the Queen Charlotte Islands, 286.
- Darlington, P. J., Jr. notes on the senses of Vultures, 251.
- Deane, George C., obituary of, 456.
- Deane, Walter, obituary of, 601.
- Decker, F. R. and Bowles, J. H., the Prairie Falcon in the state of Washington, 25-31.
- Delaware, birds of, 80, 420, 555.
- Dendrocygna arborea*, 484.
- Dendroica aestiva aestiva*, 540.  
 a. *brewsteri*, 55.  
*auduboni auduboni*, 56.  
*caerulescens caerulescens*, 338.  
*cerulea*, 90, 570.  
*coronata hoveri*, 56.  
*discolor*, 47.  
 d. *collinsi*, 439.  
 d. ***paludicola***, 41.  
*dominica albilora*, 90, 261.  
 d. *dominica*, 267, 484.  
*fusca*, 98.  
*magnolia*, 575.  
*nigrescens*, 56.  
*occidentalis*, 57.  
*palmarum hypochrysea*, 260.  
*petechia bartholemica*, 47.  
*pinus florida*, 42.  
*striata*, 95.  
*townsendi*, 57.  
*virens*, 540.
- Dendronanthus indicus*, 200.
- Dendropicos fuscescens camacupae*, 440.
- deSchauensee, R. M., notice of his 'Description of a new form of Bhringa from the Hills of Northern Siam,' 118; notice of his 'A Further Collection of Birds from Siam,' 279.
- Despott, G., notice of his notes on Malta birds, 440.
- Dettmann, Wilhelm, notice of, 119.
- Devincenzi, Garibaldi J., notice of his 'Birds of Uruguay,' 275.
- Dewey, Charles A., obituary of, 308.
- Diatryma*, 579.
- Dice, Lee R., methods of indicating relative abundance of birds, 22-24.
- Dickcissel, 265, 421, 512.
- Dickey, Donald R., and van Ros-

- sem, A. J., notice of their 'The Races of *Lamponnis viridipallens*', 119; notice of their papers on the birds of El Salvador, 285.
- Dingle, E. von S., Clay-colored Sparrow in South Carolina, 257.
- Diomedea nigripes*, 360.
- Dioptrornis brunneus bailunduensis*, 294.
- Dipper, 487.
- District of Columbia, birds of, 94, 253, 558.
- Doreenia, 291.
- Dove, Chinese Spotted-necked, 202.  
  Cuban Ground, 484.  
  Mexican Ground, 520.  
  Mourning, 267, 268, 368, 513, 537.  
  Porto Rican Ground, 46.  
  Ruddy Quail, 484.  
  Ruddy Turtle, 202.  
  White-winged, 265.  
  Zenaida, 46, 484.
- Dovekie, 65.
- Dowitcher, 248, 424, 427, 572.  
  Long-billed, 248, 365.
- Drongo, Chinese Hair-crested, 203.
- Dryobates borealis*, 575.  
  cabanisi cabinisi, 544.  
  kizuki petersi, 291.  
  k. harterti, 291.  
  pubescens medianus, 253.  
  scalaris bairdi, 513.  
  villosum parvulus, 285.  
  v. villosum, 437.
- Dryocopus martius reichenowi*, 199.
- Duck, Black, 427, 524, 530, 553.  
  Lesser Scaup, 535.  
  Mottled, 515.  
  Muscovy, 484.  
  Pacific Harlequin, 363.  
  Ring-necked, 428, 553, 574.  
  Ruddy, 98, 428, 517, 530, 535.  
  Scaup, 363.  
  Swinhoe's, 201.  
  Tufted, 554.
- Duck, West Indian Tree, 484.  
  Wood, 94, 530, 553, 574.
- Ducula badia obscurata*, 440.
- Duidia*, 114.
- Dulus dominicus dominicus*, 484.
- Dumetella carolinensis*, 94, 372.
- DuMont, Philip A., the distribution westward of *Seiurus n. noveboracensis*, 91; rare Connecticut birds in sanctuary collection, 93; abundance of wintering Limicolae on the Florida west coast, 247.
- Dwight, Jonathan, in memoriam, 1-6.
- EAGLE, Bald, 310, 427.  
  Gray-faced Buzzard, 200.  
  Harpy, 275.
- Eagle Bill, 463.
- Economic ornithology, 380, 417, 418, 323-328, 437.
- Edwards, Helen M., Roseate Spoonbill in southern Alabama, 555.
- Egg weights, 271.
- Egret, American, 73, 74, 99, 427, 486, 514, 530, 556, 557, 559.  
  Crested, 201.  
  Eastern White, 200.  
  Reddish, 519.  
  Snowy, 270, 514, 557, 558.
- Egretta alba modesta*, 200.  
  candidissima, 73.  
  thula thula, 270, 551, 558.
- Ehinger, C. E., some studies of the American Dipper or Water Ouzel, 487-498.
- Eider, American, 93.  
  King, 93, 363.  
  Northern, 93.  
  Pacific, 363.  
  Steller's, 363.  
  Spectacled, 363.
- Eifrig, C. W. G., Texan bird habitats, 512.
- Elaenia, Antillean, 46.  
  Rüse's, 46.

- Elaenia martinica martinica*, 46.  
*m. riisi*, 46, 271.
- Eldredge*, Everet R., Turkey Vulture at Chatham, Mass., 250.
- Emberiza cioides castaneiceps*, 545.  
*citrinella*, 526.  
*pallasi lydiae*, 286.  
*rustica rustica*, 205.  
*r. latifascia*, 206.  
*schoenicla pallidissima*, 286.  
*s. zaidamensis*, 286.
- Emilio*, S. Gilbert and Griscom, Ludlow, the European Black-headed Gull in North America, 243.
- Empidonax minimus*, 538.  
*trailli alnorum*, 526, 538.
- Emu*, 107.
- '*Emu, The*,' reviewed, 125, 292, 447, 596.
- English*, A. O., late nesting of the Cedar Waxwing, 260.
- Epicypselus*, 117.
- Ereunetes*, sp. 486.  
*mauri*, 95, 96, 365, 562.  
*pusillus*, 45, 562.
- Erismatura jamaicensis*, 530, 535.  
*j. rubida*, 98.
- Erlanson*, Carl O., an unusual manoeuvre of the Northern Raven, 255.
- Erythrina eos*, 449.  
*pulcherrima*, 286, 449.  
*p. crassirostris*, 286.  
*synoica beicki*, 294.
- Erythropus vespertinus amurensis*, 543.
- Erythropygia leucoptera sclateri*, 447.
- Essex County Ornithological Club*, 'Bulletin,' reviewed, 593.
- Eumomota superciliosa euroaustralis*, 285.  
*s. vanrosssemi*, 285.  
*s. dickeyi*, 285.
- Eupetes castanotous par*, 294.
- Euphagus carolinus*, 538.  
*cyanocephalus*, 565, 579.
- FAIRBAIRN*, H. W., notice of his paper on birds of the Parry Sound District, 440.
- Falco candicans*, 288.  
*columbarius columbarius*, 525.  
*islandus*, 288.  
*mexicanus*, 25-31.  
*rusticolus*, 288.  
*peregrinus anatum*, 418, 523, 563, 537.
- sparverius caribaearum*, 45.  
*s. dominicensis*, 483.  
*s. sparverius*, 68, 537.  
*vespertinus amurensis*, 201.
- Falcon*, Eastern Red-legged, 201, 543.  
 Prairie, 25-31.
- Farley*, John A., obituary notice of, 461.
- Figgins*, J. D., notice of his paper on *Carpodacus mexicanus*, 590.
- Finch*, Beautiful Rose, 200.  
 Purple, 39, 538.
- Finland*, birds of, 583.
- Fisher*, A. K., personal mention, 136.
- Flamingo*, 484.
- Fleming*, J. H., in memoriam Jonathan than Dwight; 1-61; Ontario bird notes, 64-71.
- Flicker*, 289, 371, 445.  
 Northern, 538.
- '*Flicker, The*,' reviewed, 123.
- Flight*, 428.
- Florida*, birds of, 41, 75, 95, 96, 247, 267, 416, 435, 441, 552, 554, 561.
- Florida caerulea*, 73, 99, 530, 556, 572.  
*c. caerulea*, 555, 556.  
*c. caerulescens*, 486.
- Flycatcher*, Alder, 510, 526, 538.  
 Ash-throated, 520.  
 Crested, 512, 513, 525.  
 Derby, 520.  
 Eliza's, 202.

- Flycatcher, Least, 538.  
Mexican Crested, 520.  
Northern Tody, 313.  
Olive-sided, 69, 424.  
Scissor-tailed, 515.  
Vermillion, 521.  
Yellow-bellied, 510.
- Food of Hawks and Owls, 131.
- Forbes, Stephen Alfred, obituary notice of, 453.
- Forbush, Edward Howe, review of his 'Birds of Massachusetts and other New England States,' 272; in memoriam, 136-146.
- Force, Edith R., notice of her 'The Birds of Tulsa Co., Oklahoma and Vicinity,' 119.
- Ford, Edward R., on the proper name of the "Parauque," 254; breeding of Brewer's Blackbird east of its normal summer range, 565.
- Francolinus atrifrons, 440.  
hartlaubi, 117.
- Fratercula corniculata, 355.
- Freer, Ruskin R., notes on the water birds of the Piedmont of Virginia, 573; nesting of the Cerulean Warbler in Piedmont Virginia, 570.
- Fregata aquila, 95.  
magnificens, 44, 485.
- Frey, Edith K., Baldpate and Turnstone at Jackson, Mich., 552.
- Fricke, Reinhold L., usual observations from western Pennsylvania, 572.
- Friedmann, Herbert, a Barbet new to science from Kenya Colony, 85; notice of his 'Notes on East African Birds', 119; of his 'Two East African Barbets,' 119; notice of his, 'The Gloriosa race of *Ixocincla madagascariensis*', 119; notice of his 'Forms of the Orange-breasted Bush Shrike,' 285; a lark new to science from north-central Kenya Colony, 418; notice of his 'Caudal Molt of certain Birds,' 440; of his 'Sociable Weaver Bird of South Africa,' 440; of his 'A lark new to Science from Southern Ethiopia,' 440; of his 'Explorations of Dr. D. C. Graham, in Szechuan, and H. M. Smith in Siam,' 440; obituary of Dana J. Leffingwell, 458; review of his 'Birds of the Childs Frick Expedition,' 582; of his 'Variation in Macronyx,' 590.
- Frigate-bird, 485, 520.
- Fringilla querula, 102.
- Fringillaria, 117.
- Frost, Allen, white herons in Dutchess County, N. Y., 73.
- Fulica americana, 536, 561.  
a. grenadensis, 270.  
caribaea, 270.
- Fulmar, Giant, 414.  
Pacific, 360.  
Rodgers' 360.  
Slender-billed, 414.
- Fulmarus, glacialis glupischa, 360.  
rodgersi, 360.
- Fulvetta insperata, 591.
- Furnarius rufus, 316.
- GADWALL, 93, 428, 553.
- Galerida cristata leautungensis, 200, 544.
- Gallicrex cinerea, 201.
- Gallinago delicata, 365.
- Gallinula chloropus cachinnans, 531.  
c. correiana, 115.
- Gallinule, Florida, 428, 521, 531.  
Purple, 93, 270, 486, 516.
- Gannet, 93, 131, 429.
- Gardner, Leon L., Swiftlets and a manabo, 86; on the body temperatures of nestling altricial birds, 367-384.

- Garrulax albogularis laetus, 591.  
 a. eous, 591.  
*erythrocephalus* hendeei, 440.
- Gavia adamsi, 355.  
 immer, 64, 238, 354, 412, 524.  
*pacifica*, 355.
- Gelichelidon nilotica vanrossemi, 285.
- Georgia, birds of, 242, 266, 412, 415, 418, 577.
- Geothlypis trichas, 261.  
 t. occidentalis, 540.
- 'Gerfaut, Le,' reviewed, 127.
- Ghigi, Alessandro, notice of papers by, 590.
- Gillespie, John A., a spring flight of Broad-winged Hawks, 83; Mockingbird nesting in Pennsylvania, 262.
- Gillespie, Mabel and John A., Maryland Yellow-throat in Pennsylvania in winter, 261.
- Glaucionetta clangula americana, 535, 553.
- Glyphorhynchus spirurus sublesteus, 116.
- Gnatcatcher, Blue-Gray, 39, 93, 267, 512, 524.  
 Plumbeous, 520.
- Goatsucker, Hispaniolan, 483.
- Godwit, Hudsonian, 531.  
 Marbled, 77, 248, 425, 576.  
 Pacific, 365.
- Goldeneye, 363, 428, 535, 553.  
 Barrow's, 363.
- Goldfinch, 268.  
 European, 566.
- Goose, Bean, 243.  
 Blue, 276, 416, 577.  
 Cackling, 364.  
 Canada, 536, 552.
- Emperor, 364.
- Pygmy, 201.
- White-cheeked, 364.
- White-fronted, 535, 552.
- Goshawk, 537.
- Grackle, Bronzed, 69, 419, 512, 538.  
 Great-tailed, 516.  
 Hispaniolan, 484.  
 Rusty, 538.
- Graculavitis velox, 186.  
*pumilus*, 186.
- Grassquit, Carib, 47.  
 Yellow-faced, 484.
- Great Britain, birds of, 7-10.
- Grebe, Great Crested, 200.  
 Black-necked, 200.  
 Holboell's, 238, 240, 354, 412, 574.
- Horned, 428, 534.
- Mexican, 516.
- Pied-billed, 115, 427, 516.  
 West Indian, 485.
- Greene, Earle R., unusual winter records from southern Georgia, 266; Holboell's Grebe in Georgia, 412; White Pelican in Georgia, 415; Duck Hawk wintering at Atlanta, Ga., 418.
- Greenland, birds of, 288.
- Griscom, Ludlow, the Marbled Godwit in Essex Co., Mass., 77; new name for *Caprimulgus ridgwayi minor*, 85; notice of his 'Studies of the Dwight Collection of Guatemalan Birds,' 114; notice of his 'Review of *Eumomota superciliosa*', 285; notice of his 'Notes on the Rough-winged Swallows,' 286; notice of his 'Critical Notes on Central American Birds,' 441; of his 'Studies from the Dwight Collection of Guatemala Birds, II,' 441; notice of his 'Revisions of two Central American Birds,' 591, see also Peters, James L., and Emilio, S. Gilbert.
- Gromme, Owen J., Bahama Pintail in Wisconsin, 73; Egret and Little Blue Heron in Wisconsin, 559.
- Grosbeak, Black-headed, 51.  
 Blue, 95, 257, 421.

- Grosbeak, Evening, 93, 256, 268.  
    Newfoundland Pine, 71.  
    Rocky Mountain Evening, 568.  
Rose-breasted, 95, 511, 567.  
Grouse, Eastern Black, 198.  
    Ruffed, 537.  
    Sage, 285.  
Grus canadensis, 364.  
    mexicana, 267.  
    nannodes, 288.  
Guadeloupe, birds of, 118.  
Guara alba, 485.  
    a. longirostris, 439.  
Guatemala, birds of, 114, 285, 441.  
Guillemot, Black, 242.  
    Mandt's, 65, 356.  
    Pigeon, 357.  
Guinea-hen, 484.  
Guiraca caerulea, 421.  
    c. caerulea, 95, 257.  
Gull, Bonaparte's, 66, 72, 360, 428,  
    535, 574.  
    Black-tailed, 544.  
    European Black-headed, 243,  
    524, 528.  
    Franklin's, 65, 534.  
    Great Black-backed, 524, 528.  
    Glaucous, 358, 551.  
    Glaucous-winged, 359.  
    Herring, 65, 359, 485, 523, 534,  
    551, 574.  
    Iceland, 97.  
    Ivory, 358.  
    Laughing, 514.  
    Little, 528.  
    Ring-billed, 65, 428.  
    Ross, 360.  
    Sabine's, 360.  
    Short-billed, 359, 534.  
    Vega, 359.  
'Gull, The,' reviewed, 123, 289, 445,  
    594.  
Gymnogyps californicus, 443  
Gyrfalcon, Black, 93.  
Gyrfalcons, 288.  
  
HABIA rubica rubicoides, 591.  
    r. holobrunnea, 591.  
Hachisuka, Masauji, review of his  
'Contributions to the Birds of  
the Philippines,' 436.  
Hadeler, E. W., Notes on Geese  
at Painesville, Ohio, 552.  
Haematopus bachmani, 366.  
    ostrolegus malacophaga, 290.  
    o. occidentalis, 290.  
Haiti, birds of, 118, 119, 481.  
Halcyon albiventris prentiss-grayi,  
    285.  
    pileata, 202.  
Haliaetus floridana, 439.  
    leucocephalus, 443.  
Hallman, Roy C., notice of his  
'Notes on the Least Bittern,' 441.  
Harding, Katharine C., Cerulean  
Warbler in Holderness, New  
Hampshire, 90.  
Harelda hyemalis, 363.  
Harlequin, Eastern, 66.  
Harper, Francis, personal mention,  
    136; a historical sketch of Bot-  
teri's Sparrow, 177-185.  
Harpiprion, 286.  
Hartert, Ernst, notice of his 'On  
various Forms of the Genus Tyto,'  
    119.  
Hasbrouck, Edwin M., capture of  
Blue Goose near Richmond, Va.,  
    416.  
Hawk, Broad-winged, 83, 417, 537,  
    563.  
    Duck, 82, 418, 428, 525, 537, 563.  
    Eastern, 201.  
    Hispaniolan Sparrow, 483.  
    Lesser Antillean Sparrow, 45.  
    Marsh, 132, 213-216, 537, 577.  
    Pigeon, 428, 525.  
    Red-tailed, 384, 537.  
    Rough-legged, 537.  
    Sparrow, 25, 68, 537.  
    West Indian Red-tailed, 483.  
    Western Red-tailed, 25.

- Hawks, economic value of, 208-217, 607.  
 Hawkins, L. E., see Cole, L. J.  
*Hedymeles l. ludovicianus*, 95, 567.  
 Heilfurth, Fritz, two North American migrants on Las Tres Marias, 423.  
*Heleodrytes capistratus xerophilus*, 441.  
 Hellmayr, Charles E., review of his 'Birds of the Americas,' 113; notice of his 'Birds of the James-Simpson Rosevelts Asiatic Expedition,' 111.  
 Helmuth, W. Todd, notes from eastern Long Island, New York, 528-532.  
 Henshaw, Henry W., obituary notice, 600.  
 Hering, Herman, notice of his 'Wilhelm Dettmann and his Work,' 119.  
 Heron, African Green, 465.  
   Black-crowned Night, 486, 516, 555, 572.  
   Eastern Gray, 543.  
   Great Blue, 245, 525, 536.  
   Green, 514, 525.  
   Little Blue, 73, 99, 427, 486, 516, 530, 555, 556, 558, 559, 572, 576.  
   Louisiana, 94, 99, 514, 530.  
   Snowy, 73.  
   Ward's, 519.  
   West Indian Great Blue, 45, 486.  
   West Indian Green, 45, 485.  
   Yellow-crowned Night, 45, 75, 93, 515, 530, 555.  
*Hesperiphona vespertina*, 256, 420.  
   v. *montana*, 568.  
*Hierofalco cherrug progressus*, 281.  
*Himantopus mexicanus*, 486.  
*Hirundo daurica nepalensis*, 544.  
   erythrogaster, 52, 540.  
   rustica erythrogaster,
- Hirundo r. gutturalis*, 544.  
   smithii bobrinskoi, 449.  
*Histrionicus histrionicus histrionicus*, 66.  
   h. pacificus, 363.  
 Hoffman, E. C., decrease of English Sparrow, 258.  
*Holoquiscalus niger niger*, 484.  
 Honduras, birds of, 285.  
 Honduras, British, birds of, 116.  
 Hornbill, 108.  
 'Hornero El,' reviewed, 450.  
 Hortling, Ivar, review of his 'Ornitologisk Handbok,' 583.  
 Hose, Charles, review of his 'Field Book of a Jungle-Wallah,' 108.  
 Howe, Inez Addie, obituary of, 605.  
 Howell, Arthur H., description of a new subspecies of the Prairie Warbler, with remarks on two other unrecognized Florida races, 41-43; five additions to the birds of Florida, 96; obituary of Alfred Marshall, 134; notice of his 'A Naturalist's Cruise on the Gulf Coast,' 286; notice of his 'Birds of Alabama,' 437.  
 Howland, Henry R., obituary of, 603.  
 Huber, Wharton, a method of salting and preparing water bird skins, 409-411.  
 Hudson, George E., two and a half years of bird migration at Clemson College, S. C., 397-402.  
 Hummingbird, Allen's, 98.  
   Gilt-crested, 46.  
   Green Carib, 46.  
   Hispaniolan Vervain, 482.  
   Hispaniolan Mango, 483.  
 Hummingbirds, 346.  
 Hunn, John T. S., a Mockingbird at Plainfield, N. J., 262.  
 Huttonena, 291.  
 Hyde, A. Sydney, Sycamore Warbler in Indiana in early April, 261;

- review of German studies on food of birds of prey, 437.
- Hydranassa tricolor ruficollis*, 94, 99, 530.
- Hydrochelidon nigra surinamensis*, 529.
- Hydrocoleus philadelphia*, 360.
- Hydrophasianus chirurgus*, 202.
- Hylocharis leucotis borealis*, 114.
- Hylocichla aliciae aliciae*, 263, 264.  
a. bicknelli, 263.  
fuscescens fuscescens, 263.  
guttata nanus, 62.  
g. pallasi, 524.  
g. sequoyensis, 97.  
ustulata swainsoni, 524, 541.  
u. ustulata, 62, 264.
- Hyphantornis*, 117.
- Hypocryptodiinae*, 436.
- Hypotaenidia philippensis admirabilis*, 294.
- Hypothymis azurea javana*, 584.
- IBIDORHYNCHUS struthersii*, 198.
- Ibis*, Glossy, 486, 577.  
Scarlet, 431.  
White, 485.  
White-faced Glossy, 515.  
Wood, 516.
- Ibis plumbeus*, 286.
- '*Ibis, The*', reviewed, 124, 290, 446, 594.
- Ibis-bill*, 198.
- Icteria virens virens*, 524, 576.
- Illinois*, birds of, 97, 255, 257, 268, 552, 565, 577.
- Illinois Audubon Bulletin*, reviewed, 438.
- India*, birds of, 433.
- Indiana*, birds of, 261.
- Indo-China*, birds of, 440.
- International Ornithological Congress, Seventh, 312, 607.
- Ionornis martinica*, 270, 486.
- Iowa*, birds of, 570.
- Iowa Ornithologists Union*, 'Bulletin' reviewed, 445.
- Iridoprocne bicolor*, 52, 266, 540.
- Ivanow, A., notice of his 'Birds of the Yakutsk District', 118.
- Ixocinclia madagascariensis grotei*, 119.
- Ixoreus naevius naevius*, 63.
- JACANA spinosa violacea*, 485.
- Jacana, Chinese, 202.  
West Indies, 485.
- Jackdaw, Daurian, 200.
- Jaeger, Long-tailed, 242, 358.  
Parasitic, 358.  
Pomerine, 96, 357.
- Jamaica, birds of, 269.
- Japan, birds of, 433, 587.
- Jaques, F. L., water birds observed on the Arctic Ocean and the Bering Sea, in 1928, 353-366.
- Jay, Blue, 38, 372, 513.  
Canada, 69, 87, 136, 538.  
Florida, 448.  
Florida Blue, 97.  
Green, 520.  
Rocky Mountain, 254.
- Jensen, J. K., Great Blue Heron fishing in deep water, 245; third nesting record of the Rocky Mountain Evening Grosbeak, in New Mexico, 568.
- Jewett, Stanley G., Upland Plover in Oregon, 78.
- Jewett, Stanley G. and Gabrielson, Ira N., notice of their 'Birds of the Portland Area', 277.
- Jones, John Courts, the Short-eared Owl on the District of Columbia, 253.
- Jones, Lombard Carter, the Sarus Crane of Falmouth, Mass., 559.
- 'Journal für Ornithologie', reviewed, 127, 293, 448, 598.
- Junco, 110, 539.  
Carolina, 568.

- Junco, Montana, 97.  
 Shufeldt's, 49, 97.  
 Slate-colored, 532.  
*hyemalis*, 532, 539.  
*h. connectens*, 49.  
*montanus*, 97.  
*oreganus shufeldti*, 97.
- Jung, Clarence S., notes on birds of the delta region of the Peace and Athabasca rivers, 533-541; Glaucous Gull in Wisconsin, 551.
- KALMBACH, E. R., notice of his 'English Sparrow Control,' 591.
- Kansas, birds of, 115.
- Kelso, Leon, Carolina Rail wintering in Colorado, 247.
- Kemp, Jack T., see Cahn, Alvin R.
- Kendeigh, S. C., and Baldwin, S. P., nesting activities, 471.
- Kilgore, notice of his, 'Breeding of the Connecticut Warbler,' 584.
- Kilham, Lawrence, stomach contents of Barred Owl, 418.
- Killdeer, 416, 424, 499, 512, 536, 561.  
 Antillean, 45, 115, 248.
- Kingbird, 371, 512, 538.  
 Arkansas, 254, 375, 532.  
 Couch's, 520.  
 Lesser Antillean Gray, 46.
- Kingfisher, Belted, 512, 537.  
 Black-capped, 202.  
 Himalayan Pied, 202.
- Kinglet, Golden-crested, 12.  
 Ruby-crowned, 541, 551.  
 Sitka, 62.  
 Western Golden-crowned, 62.
- Kirkwood, Frank C., a Raven in Baltimore County, Md., 255.
- Kittiwake, Pacific, 358.  
 Red-legged, 358.
- Kloss, C. Boden, see Chasen, F. N.
- Knappen, Phoebe, play instinct in Gulls, 551.
- Knot, 248, 424, 429, 577.  
 Eastern, 543.
- 'Kocsag,' noticed, 130, 295.
- Kozlova, E., notice of his 'Contributions to the Ornithological Fauna of Central Asia', 286.
- Krukenberg, C. F. W., obituary notice of, 455.
- Kuroda, Nagamichi, notice of his 'On the Avifauna of the Riu Kiu Islands,' 119; notice of his 'Classification by the Shape of the Lingual Bulb in Certain Ducks,' 441.
- Kuser, Cynthia Dryden, Lapland Longspur in Somerset Co., N. J. in April, 420.
- LA TOUCHE, J. D. D., review of his 'Handbook of the Birds of Eastern China,' 583.
- Labrador, birds of, 441.
- Lagopus rupestris dixoni, 442.  
 r. kellogae, 442.  
 r. reinhardti, 442.  
 r. rupestris, 442.  
 r. welchi, 442.
- Laing, H. M., and Taverner, P. A. their 'Birds and Mammals of the Mt. Logan Expedition,' 115.
- Laiscopus c. erythropygius, 199.
- Lampornis viridipallens, 119.  
 connectens, 119.  
 nubivagus, 119.
- Lanius borealis, 54.  
 bucephalus, 200.  
 ludovicianus, 380, 384.  
 l. migrans, 260.  
 l. nevadensis, 444.  
 l. sonoriensis, 444.
- Lanivireo flavifrons, 524.  
 solitarius cassini, 54.  
 s. solitarius, 540.
- Laornis edwardsianus, 187.
- Lark, Giraud's Horned, 514.  
 Horned, 97, 420, 514, 578.  
 Hoyt's Horned, 424, 538, 579.  
 North China Crested, 200, 544.

- Larocque, A., notice of his 'The Passenger Pigeon in Folk Lore,' 286.
- Larus argentatus, 65, 523, 534, 574.  
a. smithsonianus, 359, 485.  
a. vegae, 359.  
brachyrhynchus, 534.  
canus brachyrhynchus, 359.  
crassirostris, 544.  
delawarensis, 65.  
franklini, 65, 534.  
glaucescens, 359.  
hyperboreus, 358, 551.  
leucopterus, 97.  
marinus, 524, 528.  
minutus, 528.  
philadelphicus, 66, 72, 535, 574.  
ridibundus, 243.
- Lawrence Newbold Trotter, in memoriam, 7-10.
- 'Le Gerfaut,' reviewed, 295, 598.
- 'L'Oiseau,' reviewed, 126, 293, 448, 598.
- Leach, Frank Aleman, obituary of, 308.
- Leach, John Albert, obituary of, 134; note on, 309.
- Leffingwell, Dana J., obituary of, 458.
- Lepidocolaptes souleyetii decoloris, 116.
- Lewis, Harrison F., review of his 'Natural History of the Double-crested Cormorant,' 277; notice of his 'Birds of the Labrador Peninsula, 1929,' 441.
- Lewy, Alfred, European Widgeon at Chicago, 552.
- Linmocinclus acuminatus juva, 291.  
a. rufescens, 291.
- Limnodromus griseus griseus, 425, 572.
- Limosa fedoa, 77, 425, 576.  
haemastica, 531.  
lapponica baueri, 365.
- Limpkin, 267.
- Lincoln, F. C., and Baldwin, S. Prentiss, review of their 'A Manual for Bird Banders,' 279.
- Lincoln, F. C., review of Wetmore's 'Ornithology' in the Encyclopaedia Britannica, 281; menace of oil pollution, 550.
- Linnaen Society of New York, review of 'Abstract,' 438.
- Linnaeus, Toucans of his 'Systema Naturae,' 405-408.
- Linsdale, Jean M., notice of his 'Birds of a Limited Area in Eastern Kansas,' 115; notice of his 'Relations between Plants and Birds,' 115.
- Lloyd, Hoyes, letter on Henderson's 'The Practical Value of Birds,' 302.
- Lobipes lobatus, 76, 96, 97, 364, 578.
- Long Island, N. Y., birds of, 528.
- Longspur, Chestnut-collared, 102.  
Lapland, 420.
- Longstreet, R. J., further water bird notes from the Florida east coast, 95; notes on speed of flight of certain water birds, 428; review of his 'Bird Study in Florida,' 435; Sooty Shearwater at Daytona Beach, Fla., 552.
- Lönnberg Einar, notice of his 'Distribution of the African Fauna,' 116; notice of his 'A New Nightjar from Haiti,' 119; notice of his paper on the Lipochrome of Birds, 286.
- Loon, 64, 238, 354, 412, 524.  
Pacific, 355.  
Yellow-billed, 355.
- Lophodytes cucullatus, 95, 362, 553.
- Low, G. Carmichael, review of his 'Birds of the London Zoo,' 109.
- Lowe, Percy R., and Bannerman, D. A., extermination of the Azorean Bullfinch, 297.

- Loxia curvirostra minor*, 526, 538.  
*c. perena*, 70.  
 Lucas, Frederick A., in memoriam, 147-158.  
*Lunda cirrhata*, 355.  
 Luttringer, Leo A., Great Horned Owl, vs. Barn Owl, 84.  
*Lyrurus tetrix ussuriensis*, 198.  
 McAdoo, William, an Osprey tragedy, 81.  
 McAtee, W. L., notice of his 'Propagation of Upland Game Birds,' 280; notice of his 'Game Birds Suitable for Naturalization,' 280; economic ornithology in recent entomological publications, 282; notice of Tucker on food habits of *Tyrannus dominicensis vorax*, 284; notice of Dammerman's 'Agricultural Zoology of the Malay Archipelago,' 284; review of Patch's 'Holiday Meadow,' 437; obituary of S. A. Forbes, 453, review of Collinge's 'Food of Corvidae,' 586; bird protection in Japan, 587.  
 McCrea, Wiley Solon, obituary of, 460.  
 McGregor, R. C., notice of his 'Birds of the Philippines,' 286.  
 Mackay, George H., Nantucket Island notes, 572.  
*Macronyx*, 590.  
*Macropygia magna longa*, 448.  
*Macrorhamphus g. scolopaceus*, 365.  
 Madagascar, birds of, 118, 119.  
 Magpie, 545.  
   Blue, 203.  
   Chinese, 545.  
 Main, John S., some 1930 notes from Madison, Wis., 578.  
 Malay, birds of, 583.  
 Mallard, 200, 362, 427, 524, 530, 535, 553.  
    *Malta*, birds of, 440.  
    *Malurus lamberti*, 292.  
    *Manitoba*, birds of, 440.  
    *Man-o-war Bird*, 44, 95, 520.  
    *Mareca americana*, 535, 552, 553, 574.  
    *penelope*, 552, 578.  
    *Margarops fuscatus fuscatus*, 46.  
    *Marila marila*, 363.  
    *valisineria*, 574.  
 Marshall, Alfred, obituary of, 134.  
 Martin, Crag, 200.  
   Purple, 512, 539.  
   Western, 51.  
 Maryland, birds of, 255, 262.  
 Massachusetts, birds of, 77, 243, 250, 257, 272, 523, 559, 562, 572.  
 May, John B., simultaneous loss of the primaries in prenuptial molt of the Loon, 412; notice of his work on Forbush's 'Birds of Massachusetts,' 272; another Audubon copper-plate, 580.  
 Meadowlark, 38, 526.  
*Megacyrle alcyon alcyon*, 46.  
*Megalornis c. woodi*, 439.  
*Megarhynchus pitangua deserticola*, 441.  
 Meise, Wilhelm, notice of his 'Typen des Staatlichen Museums in Dresden,' 279.  
*Melanerpes erythrocephalus*, 84.  
*Melanocorypha mongolica*, 544.  
*Melignothes*, 117.  
*Mellisuga minima vieilloti*, 482.  
*Melopelia asiatica*, 265.  
*Melospiza georgiana*, 539.  
   *lincolni lincolni*, 509, 539.  
   *melodia acadica*, 257.  
   *m. atlantica*, 257.  
   *m. beata*, 257.  
   *m. melodia*, 257, 419, 539.  
   *m. morphna*, 49.  
 Merganser, 363, 524.  
   American, 553.  
   Hooded, 95, 244, 362, 553.

- Merganser, Red-breasted 362, 428, 530, 574.  
Mergus americanus, 362, 524.  
    merganser americanus, 553.  
    serrator, 362, 530, 574.  
Merriam, C. Hart., notice of his biography of Charles Sheldon, 441.  
Merrill, Harry, obituary of, 605.  
Merriman, Robt. O., obituary of Edwin Beaupre, 603.  
Mesembrinibis, 286.  
Metcalf, Z. P., and Snyder, L. H., where do Cliff Swallows place their nests, 259.  
Mexico, birds of, 423.  
Michigan, birds of, 76, 251, 267, 422, 552, 556, 557.  
Micropalama himantopus, 95, 423, 578.  
Micropus apus pekinensis, 201, 544.  
    pacificus pacificus, 544.  
Migration, 117, 276, 297, 507, 591.  
Miller, Alden H., notice of his 'Passerine Remains from Rancho La Brea,' 278.  
Miller, Richard F., early nesting of the Bittern, 247; nesting of the Rough-winged Swallow in the Pocono Mts., 260.  
Mimocichla ardosiacaca ardosiacaca, 484.  
Mimus polyglottos dominicus, 483.  
    p. orpheus, 271.  
    p. polyglottos, 71, 262, 385-396, 572, 578.  
Miner, Manly, letter on the economic value of the Marsh Hawk, 214.  
Minnesota, birds of, 87, 584.  
Mirafra candida, 418.  
    cantillans marginata, 419.  
Mniotilta varia, 47, 266, 484, 540.  
Mockingbird, 39, 71, 262, 267, 385, 572, 578.  
    Mockingbird, Hispaniolan, 483.  
    Western, 513.  
Molothrus ater ater, 419, 538.  
Molt, 120, 412.  
Molybdophanes, 286.  
Mongolia, birds of, 117.  
Monroe, J. A., notice of his 'Additions to Birds of the Lindsay Dist.', 441.  
Montana, birds of, 98.  
Monticola saxatilis, 200.  
    gularis, 200.  
    philippensis, 200.  
Moor-Hen, 16.  
Morcom, G. F., collection acquired by the California Academy, 312.  
More, R. K., and Streker, John K., notice of their 'Summer Birds of Wilbarger Co., Texas,' 120.  
Morococcyx erytropygus macrourus, 441.  
Motacilla capensis simplicissima, 294.  
Mousley, H., obituary of Edward Arnold, 457.  
Moyer, John William, unusual markings on Rose-breasted Grosbeak, 567.  
Munia atricapilla batakana, 584.  
Murphy, Robert C., notice of his 'Pteroderma cooki and its Allies,' 114; Evening Grosbeak on Long Island, 256; notice of his 'Birds Collected During the Whitney South Sea Expedition,' 441.  
Murphy, Robert Cushman, and Chapin, James P., extermination of the Azorean Bullfinch, 300; notice of their 'A Collection of Birds from the "Azores,"' 114; review of Acworth's 'This Bondage,' 585.  
Murray, James J., Bonaparte's Gull at Lexington, Virginia, 72; the Black Vulture in southwest Virginia, 81; late nesting of the

- Cedar Waxwing in North Carolina, 88; Long-eared Owl at Lexington, Va., 252; winter occurrence of Yellow Palm Warbler in Western Virginia, 260; ducks in the Valley of Virginia; 553; nesting of the Upland Plover near Lexington, Va., 561; notes from eastern North Carolina, 575.
- Murre, Pallas, 357.  
 California, 357.
- Murrelet, Ancient, 356.  
 Marbled, 356.  
 Kittlitz's, 356.
- 'Murrelet, The,' reviewed, 123, 289.
- Muschamp, Edward A., review of his 'Audaceous Audubon,' 103.
- Museum of Comparative Zoology, types of birds in, 434.
- Musselman, T. E., Starlings in western Illinois in quantity, 255.
- Myiarchus crinitus, 525.
- Myiophonus coeruleus coeruleus, 202.
- NANNUS hiemalis hiemalis, 524, 570.  
 h. pacificus, 58.
- Nehrling, Henry, obituary note, 133.
- Neotis cafra cafra, 446.  
 c. jacksoni, 446.
- Nestor notabilis, 291.
- Nettapus coromandelianus, 201.
- Nettion carolinensis, 362, 535.  
 crecca, 362.
- New Guinea, birds of, 109.
- New Hampshire, birds of, 90.
- New Jersey, birds of, 76, 189, 186, 247, 262, 420, 424, 442, 557, 560.
- New Mexico, birds of, 568.
- New York, birds of, 73, 81, 254, 256, 260, 265, 275, 438, 528, 566.
- Nice, Margaret Morse, a study of a nesting of the Black-throated Blue Warbler, 338; Song Sparrow raised with a Cowbird, 419.
- Nicholson, Donald, J., notes from Florida, 267.
- Nighthawk, 513, 538.  
 Sennett's, 269.  
 Texas, 514.
- Ninox novaeseelandiae remigialis, 446.
- Nitidula, 446.
- Nonpareil, 520.
- 'Norsk Ornithologisk Tidsskrift' reviewed, 130.
- North Carolina, birds of, 88, 90, 556, 563, 568, 575.
- Northeastern Bird Banding Association, 'Bulletin' reviewed, 123.
- Numenius americanus, 531.  
 cyanopus, 543.  
 hudsonicus, 96, 426, 572.  
 tahitiensis, 365.
- Numida galeata, 484.
- Nutcracker, Hopei, 199.
- Nuthatch, Amur, 199.  
 Chinese Gray, 199.  
 Florida Brown-headed, 43.  
 Red-breasted, 60, 541.
- Nuttallornis borealis, 69, 424.
- Nyctanassa violacea, 75, 530, 555.  
 v. jamaicensis, 45.
- Nyctea nyctea, 69, 327.
- Nycticorax cal. cancerivorus, 294.  
 nycticorax hoactli, 486.  
 n. naevius, 555, 572.
- Nyctidromus albicollis intercedens, 114.
- Nyctiperdix decoratus katharinae, 440.
- Nyroca affinis, 535, 553.  
 americana, 535.  
 collaris, 553, 574.  
 ferina ferina, 201, 554.  
 fuligula, 554.  
 marila, 530.  
 valisineria, 530, 535.
- OCEANODROMA furcata, 362.  
 leucorhoa, 72.

- Odontophorus melanotis verecundus, 116.  
Ohio, birds of, 72, 74, 84, 242, 248, 268, 552.  
*Oidemia americana*, 266, 363.  
  *perspicillata*, 363.  
  *deglandi*, 363.  
Oil pollution, 546.  
Oklahoma, birds of, 119, 269.  
Old Squaw, 363, 428.  
*Olor columbianus*, 66, 364.  
Ontario, birds of, 64, 240, 507.  
'Oölogist, The,' reviewed, 122, 288, 445, 594.  
'Oölogists' Record, The,' reviewed, 125, 596.  
Oölogy, 329.  
*Oporornis agilis*, 524.  
  *philadelphicus*, 526.  
  *tolmiei* 57.  
Oregon, birds of, 78, 277, 414.  
*Oreopeleia albifacies anthonyi*, 114.  
  *montana*, 484.  
Oriole, Baltimore, 38.  
  Black-naped, 545.  
  Orchard, 512.  
  Sennett's, 520.  
*Oriolus chinensis indicus*, 545.  
'Ornis Fennica' reviewed, 129, 295, 450.  
Ornithological Journals, reviewed, 121, 287, 443, 592.  
'Ornithologische Beobachter, Der' reviewed, 129, 295.  
'Ornithologische Monatsberichte' reviewed, 128, 294, 596.  
*Orthorhynchos exilis exilis*, 46.  
*Ortygornis*, 117.  
*Ortygospiza*, 117.  
*Ortyx leucopogon*, 288.  
Osprey, 81, 525.  
*Otocoris alpestris*, 111.  
  *alpestris alpestris*, 97, 420, 578.  
  *a. giraudi*, 514.  
  *a. hoyti*, 424, 538, 579.  
*Otus asio asio*, 384, 404.  
  *a. floridanus*, 404.  
  *a. naevius*, 326, 403.  
  *senegalensis graueri*, 440.  
Ouzel, Water, 487.  
Oven-bird, 47, 508, 540.  
Owl, American Barn, 68.  
  Arctic Horned, 537.  
  Barn, 84, 323, 424, 577.  
  Barred, 418, 325, 577.  
  Burrowing, 564.  
  Florida Barred, 253.  
  Great Gray, 68.  
  Great Horned, 84, 370, 565.  
  Hawk, 69, 268.  
  Horned, 25, 69.  
  Labrador Horned, 94.  
  Long-eared, 252, 324, 544.  
  Richardson's, 68.  
  Screech, 326, 384.  
  Short-eared, 253, 324, 427, 537.  
  Snowy, 69, 115, 327.  
*Oxyechus vociferus*, 416, 424, 499, 536.  
  *v. rubidus*, 45.  
Oystercatcher, 248.  
  Black, 366.  
  
*PAGOPHILA alba*, 358.  
*Palaealectoris incertus*, 444.  
*Palaeotringa littoralis*, 187.  
  *vagans*, 187.  
  *vetus*, 188.  
Palm-chat, 484.  
Palmer, T. S. forty-seventh stated meeting of the American Ornithologists Union, 218-230; report of the Secretary, 231-237; obituaries of J. J. Dagleish, 305, E. Lehn Schioler, 305; DeLagnel Berier, 307; Dr. C. A. Dewey, 308; J. A. Leach, 309; Herrmann von Ihring, 452, C. F. W. Krukenberg, 455; E. E. Armstrong, 459; W. S. McCrea, 460; note on Barboza du Bocage, 460; A. J. Campbell, 133;

- J. A. Leach, 134; H. W. Henshaw, 600; H. R. Howland, 603; G. C. Rich, 604; Harry Merrill, 605; Inez A. Howe, 605; 'The Auk' in public libraries, 609.
- Panama, birds of, 104, 313.
- Pandion haliaetus carolinensis*, 525.
- Paractiornis perpusillus*, 444.
- Parapavo californicus*, 443.
- Parauque, 254.
- Parauque, Merrill's, 520.
- Pardaliparus venustulus venustulus*, 203.
- Paroquet, Hispaniolan, 483.
- Parrot, Hispaniolan, 483.
- Partridge, Eastern Red-legged, 198, 543.
- Parus major atratus*, 545.
- Passer domesticus*, 48, 70, 258.  
    *montanus saturatus*, 545.  
    *rutilans rutilans*, 203.
- Passerculus sandwichensis alaudinus*, 48, 539.  
    *s. brooksi*, 48.
- Passerella iliaca*, 50, 539.
- Passerherbulus lecontei*, 577.  
    *nelsoni*, 257, 269.  
    *n. subvirgatus*, 526.
- Passerina amoena*, 51, 539.  
    *cyanea*, 526.
- Patch, Edith M., notice of her 'Holiday Meadow,' 437.
- Pearson, T. Gilbert, in memoriam: Edward Howe Forbush, 136-146; his 'Golf Clubs as Bird Sanctuaries' reviewed, 438.
- Pelecanus erythrorhynchos*, 66, 72, 242, 415, 577.  
    *occidentalis occidentalis*, 44, 485.
- Pelican, Brown, 44, 429, 485, 521.  
    White, 66, 73, 242, 415, 517, 577.
- Pelidna alpina sakhalina*, 365, 425.
- Pennock, Charles J., Little Blue Heron breeding in Delaware, 555.
- Pennsylvania, birds of, 74, 83, 93, 240, 252, 260, 261, 423, 427, 555, 558, 572, 584.
- Penthestes atricapillus*, 572.  
    *carolinensis carolinensis*,  
    *hudsonicus littoralis*, 526.  
    *h. nigricans*, 71.  
    *rufescens rufescens*, 61.
- Perdix barbata barbata*, 198.  
    *b. kukunoorensis*, 294.
- Perisoreus canadensis canadensis*, 69, 87, 538.  
    *c. capitalis*, 254.
- Peters, James L., notice of his 'An Ornithological Survey of the Caribbean Lowlands of Honduras,' 115, notice of his 'Type species of the genus Harpiprion,' 286; the identity of the Toucans described in the 10th and 12th editions of the *Systema Naturae*, 405-408; notice of his 'Two Undescribed Races of Phaethon aethereus,' 442; Western Sandpiper in Massachusetts in spring, 562; *Buteo platypterus* in Porto Rico, 563.
- Peters, James L. and Griscom, Ludlow, notice of their 'The Central American Races of *Rupornis magnirostris*', 120.
- Peterson, Roger Tory, Northern Phalarope in Jackson Co., Mich., 76.
- Petrel, Black-capped, 485.  
    Fork-tailed, 362.  
    Leach's, 72.  
    Wilson's, 93.
- Petrochelidon fulva fulva*, 483.  
    *lunifrons lunifrons*, 52, 539.  
    *l. tachina*, 518.
- Peucaea aestivalis arizonae*, 177.  
    *botteri*, 177-185.  
    *cassini*, 177.  
    *petencia*, 183.  
    *sartorii*, 183.

- Pewee, Wood, 510.  
*Phacellodomus sibilatrix*, 316.  
*Phaethon aethereus*, 442.  
    a. *mesonauta*, 442.  
    a. *limatus*, 442.  
    *lepturus catesbyi*, 485.  
*Phalacrocorax auritus auritus*, 276, 529.  
    a. *cincinatus*, 362, 542.  
    *carbo*, 529.  
    c. *sinensis*, 200.  
    c. *subcormoranus*, 295.  
    *pelagicus pelagicus* 362, 542.  
    *urile*, 362.  
*Phalarope*, Northern, 76, 96, 97, 364, 425, 427, 579.  
    Red, 249, 364.  
    Wilson's, 76, 531, 536.  
*Phalaropus fulicarius*, 249, 364.  
*Phaleris psittacula*, 356.  
*Phasianus colchicus*, 447.  
    c. *tenebrosus*, 447.  
    *torquatus colchicus*, 525.  
*Pheasant*, 417.  
    Eared, 198.  
    North China Pucras, 198.  
    Reeves, 198.  
    Ring-necked, 525.  
    Water, 202.  
*Pheugopedius maculipectus microstictus*, 441.  
    m. *varians*, 441.  
    m. *petersi*, 441.  
*Phibialura flavirostris boliviana*, 88.  
*Philacte canagica*, 364.  
Philippines, birds of the, 86, 286.  
Phillips, Charles L., habits of the Rocky Mountain Jay, 254.  
*Philohela minor*, 248.  
*Phoebe*, 94, 100, 372, 538.  
*Phoenicophilus palmarum palmarum*, 483.  
*Phoenicopterus ruber*, 484.  
*Phragmaticola aedon*, 200.  
*Phylloscopus pernotus*, 440.  
*Pica pica serica*, 545.  
*Pickens, A. L.*, favorite colors of Hummingbirds, 346-352.  
*Pickwell, Gayle*, the sex of the incubating Killdeer, 499-506.  
*Piculus rubiginosus differens*, 114.  
    r. *maximus*, 114.  
*Pigeon, Domestic*, 483.  
    Passenger, 286.  
    Red-billed, 520.  
    Scaled, 46, 483.  
    White-crowned, 483.  
    White-winged, 520.  
*Pinicola enucleator eschatosus*, 70.  
*Pintail*, 363, 427, 530, 535, 553.  
    Bahama, 73.  
*Pionus senilis decoloratus*, 114.  
*Pipilo maculatus oreganus*, 51.  
*Pipit*, 57.  
    Himalayan Water, 200.  
*Piranga azarae*, 278.  
    *hepatica*, 278.  
    *saira*, 278.  
    *testacea*, 278.  
    *flava*, 278.  
    f. *albifacies*, 279.  
    *hepatica oreophasma*, 279.  
    *ludoviciana*, 51.  
*Pisobia acuminata*, 417.  
    *bairdi*, 94, 423, 531.  
    *fuscicollis*, 95, 425.  
    *minutilla*, 365.  
    *ruficollis*, 76.  
*Pitangus bolivianus*, 316.  
    *sulphuratus pallidus*, 441.  
*Pitta*, Blue-winged, 202.  
*Pitta nymphal nymphal*, 202.  
*Planesticus migratorius*, 373, 541.  
    m. *propinquus*, 62.  
*Platyparis aglaiae richmondi*, 591.  
*Plectrophanes ornatus*, 102.  
*Plectrophenax nivalis nivalis*, 97, 421, 526, 538.  
*Plegadis falcinellus falcinellus*, 486.  
    *guarauna*, 577.  
*Plover*, Black-bellied, 45, 79, 248, 425, 427, 429, 536.

- Plover, Cuban Snowy, 248.  
     Golden, 80, 425, 428.  
     Kentish, 202.  
     Mongolian, 543.  
     Pacific Golden, 366.  
     Piping, 96, 248, 250, 425.  
     Semipalmated, 98, 248, 365,  
     424, 427, 429, 486.  
     Upland, 78, 425, 427, 440, 562.  
     Wilson's, 248, 514.
- Pluvialis dominica, 80.  
     d. dominica, 426.
- Pochard, 201, 554.
- Podiceps cristatus cristatus, 200.  
     nigricollis nigricollis, 200.
- Pogoniulus bilineatus conciliator,  
     85, 119.  
     b. alius, 86.  
     jacksoni, 85, 86.
- Polioptila, 441.  
     caerulea caerulea, 71, 93, 267,  
     524.
- Polyborus cheriway, 267, 443.
- Polysticta stelleri, 363.
- Pooecetes gramineus affinis, 48.  
     confinis, 539.
- Poole, Earl L., winter nesting of the  
     Barn Owl, 84; Holboell's Grebe in  
     Pennsylvania, 240; the fall mi-  
     gration of water birds and others  
     at Reading, Pa., 427; review of  
     his 'The Bird Life of Berks Co.,  
     Pa.', 584.
- Portenko, Leonidas, subdivision of  
     the species Emberiza rustica into  
     geographical races, 205-207; no-  
     tice of his paper on relationship  
     between Emberiza schoenicla and  
     pallasi, and on the palaearctic  
     Buzzards, 286.
- Porter, Louis H., Killdeer nesting  
     in Connecticut, 416.
- Porto Rico, birds of, 563.
- Porzana carolina, 45, 257, 536, 560.
- Potter, J. K., Wilson's Phalarope  
     in Camden Co., N. J., 76; see also  
     Weyle, E. S.
- Powder-downs, 162.
- Prairie Chicken, 101.  
     Attwater's, 513.
- Priest, Cecil D., review of his  
     'Guide to the Birds of Southern  
     Rhodesia,' 274.
- Progne dominicensis, 271.  
     subis hesperia, 51.  
     s. subis, 539.
- Protonotaria citrea, 70, 269, 575.
- Prunella kozlowi, 286.  
     k. tenella, 286.  
     montanella, 200.
- Psaltriparus minimus minimus, 61.
- Psammaetus, 117.
- Pternistes, 117.  
     cranchii, 440.  
     c. itigi, 440.
- Pterodroma cooki, 114.  
     c. orientalis, 114.  
     hasitata, 485.  
     leucoptera, 114.  
     l. longirostris, 442.
- Pterorhinus davidi davidi, 199.
- Ptilinopus melanocephalus mar-  
     gareta, 448.
- Ptilopachus petrosus saturatior,  
     291.
- Ptyanoprogne rupestris, 200.
- Pucrasia xanthospila xanthospila,  
     198.
- Puffin, Horned, 355.  
     Tufted, 355.
- Puffinus, 442.  
     gravis, 97.  
     griseus, 361, 552.  
     lherminieri, 95.  
     l. gunax, 445.  
     tenuirostris, 361.
- Pyrrhocorax pyrrhocorax, 199.
- Pyrrhula pyrrhula griseiventris,  
     199.  
     cineracea, 199.  
     erythaca wilderi, 199.

- Pyrrhulagra noctis ridgwayi, 47.
- QUAIL, California, 80.  
*Querquedula discors*, 484, 530, 535,  
553, 574.
- Quiscalus quiscula aeneus, 69, 419,  
538.
- RABIE, M. de, bird paintings by,  
481.
- Rail, Black, 560.  
    Carolina, 247.  
    King, 67, 512.  
    Little Black, 95.  
    Sora, 45.  
    Virginia, 95, 560.  
    Yellow, 68, 531, 560.
- Rallus carolinus, 560.  
    elegans, 67.  
    limicola, 560.  
    virginianus, 95, 560.
- Ramphastos aracari, 406.  
    callorhinchus, 407.  
    discolorus, 408.  
    picatus, 405, 407.  
    piperivorus, 405, 406.  
    sulfuratus  
        s. brevicarinatus, 407.  
    tucanus, 405, 407.  
    viridis, 406.
- Rand, A. L., notice of his 'Summer  
Birds of Interior Nova Scotia,'  
442.
- Raven, 15, 25, 255, 289.  
    Manchurian, 199.  
    White-necked, 518.
- Recurvirostra americana, 577.
- Redhead, 428, 535.
- Redpoll, Greater, 97.
- Redstart, 47, 509, 540.
- Redwing, Arctic, 97.  
    Rio Grande, 513.
- Regulus calendula grinnelli, 62.  
    regulus inermis, 115.  
    satrapa olivaceus, 62.
- Rehn, James, A. G., an unpublished  
letter of John K. Townsend, 101.
- Reproductive Cycle, 110.
- Rhinopomastus minor, 119.  
    m. extimus, 119.
- Rhodesia, birds of, 274.
- Rhodostethia rosea, 360.
- Rhopophilus pekinensis, 199.
- Rhynchorhynchus cinctus pudibundus,  
116.
- Riley, J. H., notice of his 'A New  
Wren of the Genus Spelaeornis  
from Yenan, China,' 120; notice  
of his 'Four New Forms of Birds  
from Szechwan, China,' 591.
- Riparia riparia 540.
- Rissa tridactyla pollicaris, 358.  
    brevirostris, 358.
- Rittenhouse, Jessie B., see Scollard  
Clinton.
- Riu Kiu Islands, birds of, 119.
- Roads, Katie M., late nestings in  
Ohio, 268.
- Robb, Wallace H., nuptial per-  
formance of the Hooded Mergan-  
ser, 244; his collection of Bird  
paintings by Brooks, 464.
- Roberts, Austin, notice of his recent  
papers, 117.
- Roberts, T. S., notice of his  
'Changes in the Distribution of  
Certain Minnesota Birds,' 584.
- Robin, 39, 100, 373, 541.  
    British, 19.  
    Southern, 98.  
    Western, 62, 571.
- Roosevelt, Theodore and Kermit,  
notice of their 'Trailing the  
Giant Panda,' 112.
- Roraima, 114.
- Roughleg, Ferruginous, 25.
- Rowan, William, review of his  
'Manipulation of the Reproductive  
Cycle,' 110; notice of his  
recent papers on bird migration,  
591.

- Rupornis magnirostris*, 120.  
     m. direptor, 120.  
     m. arguta, 120.  
     m. alia, 120.  
*Russia*, birds of, 205, 280.  
*Rynchops nigra*, 266, 529.
- S.** *CROIX*, birds of, 270.  
*St. Eustatius*, birds of, 44–47.  
*St. Martin*, birds of, 44–47.  
*Sabota*, 117.  
*Salvador*, birds of, 285.  
*Sanborn*, Colin Campbell, recent notes from the Chicago area, 268.  
*Sanderling*, 248, 424, 429, 536.  
*Sandlark*, Mongolian, 544.  
*Sandpiper*, Aleutian, 365.  
     Baird's, 94, 248, 423, 425, 531.  
     Bartramian, 95.  
     Gray, 543.  
     Least, 248, 365, 424, 427, 558.  
     Pectoral, 248, 425, 427, 558.  
     Purple, 425.  
     Red-backed, 248, 265, 424, 428, 558.  
     Rufous-necked, 76.  
     Semipalmated, 248, 365, 424, 427, 429, 510, 558.  
     Sharp-tailed, 417.  
     Solitary, 96, 248, 425, 427, 558.  
     Spotted, 78, 248, 266, 536, 558.  
     Stilt, 95, 423, 425, 558, 579.  
     Western, 95, 96, 248, 365, 425, 558, 562.  
     White-rumped, 95, 248, 425, 428, 558.  
*Sapsucker*, Yellow-bellied, 510, 538.  
*Saunders*, Aretas A., review of his 'Summer Birds of the northern Adirondack Mountains,' 275.  
*Saunders*, William E., the destruction of birds at Long Point Lighthouse, Ontario, on four nights in 1929, 507–511.  
*Sayornis phoebe*, 94, 372, 538.
- Scaup*, 428.  
     Greater, 530.  
     Lesser, 553.  
*Schiffornis turdinus panamensis*, 113.  
*Schioler*, Eiler Lehn, obituary of, 305.  
*Schoeniparus rufogularis kelleyi*, 440.  
*Schorger*, A. W., notice of his 'The Birds of Dane County, Wis.' 120, notes from Madison, Wisc., 423.  
*Sclater*, W. L., review of his 'Systema Avium Aethiopicarum,' 435; notice of his 'Aves' for 1928, 112.  
*Scollard*, Clinton and Rittenhouse, Jessie B., review of their 'The Bird Lovers' Anthology,' 433.  
*Scopus umbretta bannermani*, 159–176.  
     u. umbretta, 160.  
*Scoter*, American, 266, 363.  
     Surf, 363.  
     White-winged, 363.  
*Scoters*, 530.  
*Scotiaptex nebulosa nebulosa*, 68.  
*Scoville*, Samuel Jr., review of his 'Wild Honey,' 107.  
*Seiple*, Stanley J., Egret in Crawford County, Pa., 74.  
*Seiurus aurocapillus*, 47, 540.  
     noveboracensis notabilis, 540.  
     n. noveboracensis, 47, 91, 484.  
*Selasphorus allenii*, 98.  
     platycercus guatemalae, 441.  
*Semple*, John B., Egret near Lake Erie, 74; Red-headed Woodpeckers in migratory flight, 84.  
*Sericotes holosericeus holosericeus*, 6.  
*Setophaga ruticilla*, 47, 540.  
*Shadle*, Albert R., the European Goldfinch at Buffalo, N. Y., 566.  
*Shaver*, Jesse M. and Walker, Gladys, a preliminary study of

- the effects of temperature on the time of ending of the evening song of the Mockingbird, 385-396.
- Shaw, Tsen-Hwang, notes on some summer birds of Chefoo, China, 542.
- Shearwater, Audubon's, 95.  
Greater, 97.  
Slender-billed, 361.  
Sooty, 361, 552.
- Sheldon, Charles, obituary notice of, 441.
- Shelley, Lewis O., companionate feeding activities of a Spotted Sandpiper and a Red-winged Blackbird, 78; notes on the feeding reactions of some spring birds during a late snow storm, 100; notes on a Holboell's Grebe in Captivity, 238; Downy Wood-pecker and moth cocoons, 253.
- Shipley, Donald D., the Broad-winged Hawk in Connecticut in winter, 417.
- Shoffnér, Charles P., notice of his 'The Bird Book,' 110.
- Shore-birds, 504.
- Shoveller, 428, 535, 553, 574.
- Shrike, Bull-headed, 200.  
Loggerhead, 39, 380, 384.  
Migrant, 260.  
Northern, 54.
- Sialia mexicana occidentalis, 63.  
sialis, 373.
- Siam, birds of 118, 279, 440.
- Siberia, birds of, 76, 205, 280.
- Siskin, Pine, 539.
- Sitta canadensis, 60.  
europaea amurensis, 199.  
pusilla caniceps, 42.  
villosa, 199.
- Skimmer, Black, 266, 429, 514, 529.
- Skutch, Alexander F., the habits and nesting activities of the
- Northern Tody Flycatcher in Panama, 313-322.
- Skylark, 29.
- Smiliorhis leucotis kenyaæ, 440.
- Smith, Lewis MacCuen, Maryland Yellow-throat, in Pennsylvania in winter, 423.
- Smith, Wendell, P. notice of his paper on Vermont birds, 442.
- Smyth, Thomas, the Dickcissel in South Carolina, 421.
- Snipe, Wilson's, 248, 365, 425, 427, 536.
- Snyder, L. L., sexual differentiation in the plumage of the Black-bellied Plover, 79; a flight of Holboell's Grebes at Toronto, 240.
- Somateria mollissima borealis, 94.  
v. nigra, 363.  
spectabilis, 363.
- Song, 32-40.
- Soper, J. Dewey, notice of his 'Breeding Gounds of the Blue Goose,' 276.
- Sora, 427, 510, 536, 560.
- 'South Australian Ornithologist, The,' reviewed, 126, 447, 597.
- South Carolina, birds of, 87, 244, 250, 257, 265, 297-402, 421, 577.
- Sparrow, Acadian Sharp-tailed, 526.  
Black-throated, 521.  
Botteri's, 177-185.  
Chinese Tree, 545.  
Chipping, 539.  
Clay-colored, 257, 268, 539, 598.  
Dwarf, Savanna, 48.  
English, 48, 258.  
Fox, 39, 50, 539.  
Golden-crowned, 49.  
Grasshopper, 510.  
Harris's, 39, 268, 102.  
House, 70.  
Lark, 375, 578.  
LeConte's, 509, 577.  
Lincoln's, 50, 539.  
Nelson's, 257, 269.

- Sparrow, Nuttall's, 48.  
 Oregon Vesper, 48.  
 Ruddy, 203.  
 Rusty Song, 49.  
 Savannah, 427, 510, 539.  
 Song, 39, 100, 419.  
 Swamp, 539, 511.  
 Texas, 520.  
 Western Chipping, 49.  
 Western Lark, 515.  
 Western Savanna, 48.  
 Western Vesper, 539.  
 White-crowned, 39, 511.  
 White-throated, 39, 511, 539.  
*Spatula clypeata*, 535, 553, 574.  
*Spelaeornis rocki*, 120.  
*Speotyto cunicularia hypogaea*, 564.  
*Sphyrapicus varius varius*, 538.  
*Spinus pinus*, 539.  
*Spiza americana*, 265, 421.  
*Spizella pallida*, 257, 577, 539.  
 passerina arizonae, 49.  
 p. passerina, 539.  
*Spodiopsar cinereus*, 201, 545.  
 Spoonbill, Roseate, 75, 416, 485, 516, 554, 555.  
 Sprunt, Alexander, Jr., the Blue-winged and Sycamore Warblers in the North Carolina mountains, 90; a record banding return, 99; White Pelican in Georgia, 242; the Brant on the South Carolina coast, 244; extension of the winter range of the Piping Plover, 250; some recent notes from coastal South Carolina, 265; 576; unusual nesting sites of the Carolina Junco, 568.  
 Sprunt, Alexander, Jr., and Murray, J. J., Little Blue Heron in the North Carolina mountains, 556; Mass occurrence of the Duck Hawk in the mountains of North Carolina, 563; a breeding record of the Winter Wren in the mountains of North Carolina, 570.  
*Squatarola squatarola*, 45, 79, 426, 556.  
 Starlet, Daurian, 201.  
 Starling, 69, 82, 87, 255, 256, 265, 575.  
 Gray, 201, 545.  
*Steganopus tricolor*, 76, 531, 536.  
 Stegman, B., notice of his 'The Palaearctic Forms of the Merlin,' 120; notice of his 'Vogel Sud-Ost Transbaikaliens,' 280.  
*Stelgidopteryx serripennis*, 53, 260.  
 s. decolor, 286.  
 s. psammochrous, 286.  
 Stenhouse, J. H., notice of his account of birds of historic interest in the Royal Scottish Museum, 286; notice of his 'Birds of Parry's Arctic Voyage' and 'The Little Auk of Franz Joseph Land', 442.  
*Stercorarius longicaudus*, 242, 358.  
 parasiticus, 358.  
 pomarinus, 96, 357.  
*Sterna aleutica*, 360.  
 antillarum antillarum, 485.  
 betunei, 291.  
 caspia, 529.  
 forsteri, 94, 529.  
 fuscata fuscata, 45.  
 hirundo, 269, 535.  
 h. hirundo, 201, 544.  
 paradisaea, 66, 360.  
 striata aucklandorna, 291.  
 trudeaui, 335.  
 Stewart, Walter, notice of his 'The Rook in Lanarkshire,' 442.  
*Stictocarbo punctatus sassi*, 291.  
 Stilt, Black-necked, 486, 515.  
 Stone, Witmer, the Hawk question, 208-217; Evening Grosbeak at Cape May, N.J., 256; Townsend's Oregon Tubinares, 414; obituary notice of Arthur T. Wayne, 452; proper name of the Virginia Rail, 560; Snowy Egret at Cape May, N. J., 557.

- Storer, Tracy I., a critique of oological data, 329-334.  
Streker, John K., see More, R. L.  
*Streptopelia chinensis chinensis*, 202.  
    *tanquebarica humilis*, 202.  
*Strix varia allenii*, 253.  
    *v. varia*, 325, 418, 577.  
Struthious birds, 131.  
*Sturnella magna magna*, 526.  
*Sturnus vulgaris*, 69, 256, 265, 526, 575.  
Sugden, John W., White Pelicans killed by lightning, 72.  
*Surnia ulula caparoch*, 69, 268.  
Swallow, Bank, 540.  
    Barn, 46, 52, 89, 540.  
    Cliff, 52, 189, 259, 539.  
    Eastern House, 544.  
    Hispaniolan Cliff, 483.  
    Hodgson's Striated, 544.  
    Lesser Cliff, 518.  
    Northern Violet-green, 52.  
    Rough-winged, 53, 260, 286.  
    Tree, 52, 266, 540.  
Swan, 16.  
    Whistling, 66, 364, 536.  
Swann, Kirke, review of his 'Monograph of the Birds of Prey,' 275, 589.  
Swanson, Gustav, Canada Jay in southern Minnesota, 87.  
Swarth, H. S., obituary of, Frank A. Leach, 308; collection acquired by California Academy, 312.  
Swift, Black, 98.  
    Chimney, 512.  
    North China, 201, 544.  
    White-rumped, 544.  
*Synallaxis adusta*, 114.  
    *erythrothorax pacifica*, 441.  
*Synthliboramus antiquus*, 356.  
*Syrmaticus reevesi*, 198.  
  
*TACHYGINETA thalassina lepida*, 52.  
Tanager, Hispaniolan Palm, 483.  
Tanager, Scarlet, 39, 267, 511.  
    Summer, 512, 521.  
    Western, 51.  
*Tanagra gouldi praetermissa*, 116.  
Taverner, P. A., that Alberta Bean Goose—a correction, 243; notice of his 'A Study of the Canadian Races of the Rock Ptarmigan,' 442; see also Laing, H. M.  
Tavistock, saving disappearing species, 302.  
Taxidermy, 405-411.  
Teal, European, 362.  
    Green-winged, 362, 427, 535, 553.  
    Blue-winged, 427, 484, 530, 535, 553, 574.  
*Telmatodytes palustris paludicola*, 59.  
    *p. palustris*, 540.  
*Telmatornis priscus*, 187.  
    affinis, 187.  
Tern, Aleutian, 360.  
    Arctic, 66, 360.  
    Black, 98, 427, 529, 535.  
    Cabot's, 485.  
    Caspian, 514, 529.  
    Common, 201, 269, 428, 535, 544.  
    Forster's, 94, 529.  
    Gull-billed, 520.  
    Least, 485, 518, 520.  
    Pacific Gull-billed, 285.  
    Royal, 45.  
    Trudeau's, 335.  
Texas, birds of, 98, 177, 512.  
*Thalassarche cauta eremita*, 442.  
    *c. cauta*, 442.  
    *bulleri*, 442.  
*Thalasseus maximus maximus*, 45.  
    *sandvicensis acuflavidus*, 485.  
Thomson, A. Lansborough, notice of his 'Migration of the European Woodcock,' 117.  
Thrasher, Brown, 372, 576.  
    Pearly-eyed, 46.

- Thrasher, Scaly-breasted, 46.  
 Sennett's, 520.
- Thrush, Bicknell's, 263, 264.  
 Dwarf Hermit, 62.  
 Gray-cheeked, 263, 511.  
 Hermit, 100, 431, 511, 524.  
 Hispaniolan, 484.  
 Olive-backed, 264, 509, 524, 541.  
 Red-bellied Rock, 200.  
 Russet-backed, 62.  
 Sierra Hermit, 97.  
 Song, 286.  
 Varied, 63.  
 Whistling Water, 202.  
 White-backed Rock, 200.  
 White-throated Rock, 200.  
 Wood, 511.
- Thryomanes bewickii bewickii, 578.  
 b. calophonius, 58.
- Thyelodroma bulleri, 442.
- Tiaris bicolor omissa, 47.  
 olivacea olivacea, 484.
- Timelia pileata dictator, 445.
- Tit, North China, 545.  
 Yellow-bellied, 203.
- Titmouse, Black-crested, 520.  
 Tufted, 262, 512, 532.
- Todd, W. E. Clyde, note on the Eastern Song Sparrows, 257.
- Todirostrum cinereum fintium, 313.
- Todus subulatus, 483.
- Tody, Hispaniolan, 483.
- Tomkins, Ivan R., some records from the Savanna River entrance during 1929, 577.
- 'Tori,' reviewed, 450, 599.
- Totanus flavipes, 45, 425, 536, 574.  
 melanoleucus, 45, 425, 574.
- Toucans, 405, 408.
- Towhee, 262.  
 Oregon, 51.
- Townsend, Charles Haskens, in memoriam: Frederick A. Lucas, 147-158.
- Townsend, Charles W., diving habits in the genus Nyroca, 554; another Yellow-crowned Night Heron at Ipswich, Mass., 75; note on the courtship of the Bittern, 246.
- Townsend, John K., letter of, 101.
- Toxostoma rufum, 576.
- Trautman, Milton B., and Walker, C. F., the Long-tailed Jaeger in Ohio, 242; another record of the Red Phalarope in Ohio, 248.
- Treron pompadoura ada, 448.
- Tricholaema diadematum mustum, 119.
- Tringa incana brevipes, 543.  
 solitaria, 96.
- Trochilopteron milnei sinianum, 449.
- Troglodytes aëdon parkmani, 58, 540.
- Trogon elegans australis, 441.
- Tropic-bird, Yellow-billed, 485.
- Tugarinow, A. J., notice of his 'North Mongolia and its Birds,' 117.
- Turdus assimilis parcolor, 116.  
 migratorius achrusterus, 98.  
 musicus clarkei, 386.  
 sinensis kosteri, 294.
- Turnstone, 424.  
 Ruddy, 45, 248, 366, 429, 534, 552.
- Tyler, W. M., obituary of W. S. Bigelow, 602.
- Tyrannus dominicensis vorax, 24, 46, 284.  
 tyrannus, 271, 538.  
 verticalis, 254, 532.
- Tyrrell, W. Bryant, peculiar actions of the Loon, 238; a deformed English Sparrow, 258.
- Tyto alba kuehni, 119.  
 a. everetti, 119.  
 a. pratincola, 68, 84, 323, 424, 577.

- Tyto longimembris papuensis, 119.  
l. chinensis, 119.
- UCHIDA, Seinosuke, review of his Photographs of Bird Life in Japan, 433.
- Underdown, C. Eliot, Black Gullimat at Cape May, N. J., 242.
- Uragus, reviewed, 450.
- Uria trole californica, 357.  
lomvia arra, 357.
- Urner, Charles A., the shore bird flight of 1929 on the New Jersey Coast, 424; notice of his 'Birds of Union Co., N. J.', 442; a Rail conundrum, 560.
- Urocissa erythrorhyncha - erythrorhyncha, 203.
- Uruguay, birds of, 275.
- Utah, birds of, 72.
- Uttendorfer, O., et al., review of their work on the food of birds of prey, 437.
- VAN Hyning, O. C., Coot breeding in Florida, 561.
- Van Oort, E. D., notice of his 'Results of Bird Banding at the Leyden Museum,' 442.
- van Rossem, notice of his 'The Sonora Races of *Camptostoma* and *Ptyapsaris*', 591, see also Dickey, Donald R.
- Veery, 263, 509.
- Vereins Schlesischer Ornithologen, 'Berichte,' reviewed, 128.
- Vermivora celata celata, 55, 540.  
c. orestura, 570.  
chrysoptera, 71.  
peregrina, 540.  
pinus, 90, 422.
- Vermont, birds of, 442.
- Vireo, Anthony's, 55.  
Bell's, 578.  
Blue-headed, 511.  
Cassin's, 54.
- Vireo, Jamaican, 484.  
Philadelphia, 511, 540.  
Red-eyed, 54, 508, 512, 540.  
Small White-eyed, 513.  
Warbling, 39, 540.  
Western Warbling, 54.  
White-eyed, 526.  
Yellow-throated, 511, 524.
- Vireo bellii belli, 578.  
gilva gilva, 540.  
griseus griseus, 526.  
g. micrus, 513.  
buttoni obscurus, 55.
- Vireosylva gilva swainsoni, 54.  
olivacea, 54, 484, 540.  
o. scotti, 439.  
philadelphica, 540.
- Virginia, birds of, 72, 81, 252, 260, 416, 553, 562, 570, 574.
- 'Vogelsug, Der,' reviewed, 295, 449, 599.
- Volvocivora lugubris melanoptera, 202.
- von Ihring, Hermann, obituary notice of, 452.
- von Lengerke, Justus, obituary notice of, 306.
- Vulture, Black, 81.  
Turkey, 81, 250, 251, 370, 512.
- WAGTAIL, Forest, 200.
- Waldronia, 114.
- Walker, Charles F., see Trautman, Milton B.
- Walker, Gladys, see Shaver, Jesse M.
- Walkinshaw, Lawrence H., Turkey Vulture wintering in Calhoun Co., Mich., 251; Blue-winged Warbler in Barry Co., Mich., 422; Little Blue Heron in Michigan, [556; Egret in Michigan, 557.
- Warbler, Alaska Myrtle, 56.  
Audubon's, 56.  
Bay-breasted, 509.  
Black and White, 47, 266, 484, 511, 540.

- Warbler, Blackburnian, 98, 508.  
 Black-poll, 95, 508.  
 Black-throated Blue, 338, 509.  
 Black-throated Gray, 56.  
 Black-throated Green, 511, 540.  
 Blue-winged, 90, 422.  
 California Yellow, 55.  
 Canada, 509.  
 Cape May, 509.  
 Cerulean, 90, 570.  
 Chestnut-sided, 508.  
 Connecticut, 261, 511, 524.  
 Florida Pine, 42.  
 Florida Prairie, 41.  
 Golden Pileolated, 57.  
 Golden-winged, 71, 511.  
 Hermit, 57.  
 Hooded, 526.  
 Lesser Antillean Golden, 47.  
 Lutescent, 55.  
 Macgillivray's, 57.  
 Magnolia, 508, 575.  
 Mourning, 508, 526.  
 Nashville, 511.  
 Northern Parula, 47.  
 Orange-crowned, 540.  
 Palm, 511.  
 Parula, 511, 512.  
 Prairie, 47.  
 Prothonotary, 70, 269, 575.  
 Rocky Mountain Orange-crowned, 570.  
 Sycamore, 90, 93, 261.  
 Tennessee, 511, 540.  
 Thick-billed, 200.  
 Townsend's, 57.  
 Wilson's, 509, 540.  
 Yellow, 511, 540.  
 Yellow Palm, 260.  
 Yellow-throated, 93, 267, 484.  
 Washington, birds of, 25-31, 48-63,  
   487.  
 Water Hen, Chinese White-breasted,  
   201.  
 Water-Thrush, Grinnell's, 540.  
   Northern, 47, 91, 484, 509.  
 Waxwing, Bohemian, 53, 70, 578.  
   Cedar, 53, 88, 320, 511, 512, 540.  
 Wayne, Arthur Trezevant, obituary  
   notice, 452; memorial meeting,  
   608.  
 Webster, R. L., bibliography of  
   Dana J. Leffingwell, 459.  
 Wellman, Gordon B., further re-  
   cords of the birds of the Boston  
   Public Garden, 523.  
 West Indies, birds of, 44-47, 270,  
   442.  
 West Virginia, birds of, 75, 248.  
 Western Nature Study, review of  
   bird number, 592.  
 Wetmore, Alexander, the Turkey  
   Vulture in western New York, 81;  
   the age of the supposed cretaceous  
   birds from New Jersey, 186-188;  
   the Florida Barred Owl, in North  
   Carolina, 253; notice of his con-  
   tinuation of Kirke Swann's 'Mon-  
   ograph of the Birds of Prey,' 275;  
   notice of his 'Migrations of Birds,'  
   276; notice of his 'Classification  
   of the Birds of the World,' 278;  
   notice of his 'Ornithology' in the  
   Encyclopaedia Britannica, 281;  
   notice of his 'Birds of the Past in  
   North America,' 287; notice of  
   his 'A new Hummingbird from  
   St. Andrews Island,' 442; the  
   Rabie paintings of Haitian birds,  
   481; supposed plumage of Dia-  
   tryma, 579, notice of his contin-  
   uation of Swann's 'Birds of Prey,'  
   589.  
 Weydemeyer, Winton, four new  
   birds for Montana, 98.  
 Weyl, Edward S., Connecticut  
   Warbler at Philadelphia in  
   Spring, 261; song of the Gray-  
   cheeked Thrush, 263.  
 Weyl, Edward S. and Potter, J. K.,  
   Willet breeding in New Jersey,  
   561.

- Whip-poor-will, 525.  
White, James S., Nelson's Sparrow at Waukegan, Ill., 257.  
Widgeon, European, 552, 579.  
Wilcox, LeRoy, Dickcissel and White-winged Dove on Long Island, New York, 265.  
Wilder, George D., the breeding birds of Peking as related to the Palaearctic and Oriental life regions, 194-204.  
Wilkinson, E. S., review of his 'Shanghai Birds,' 585.  
Willard, Francis C., obituary notice of, 455.  
Willet, 248, 266, 425, 429, 514, 561. Western, 248, 579.  
'Wilson Bulletin, The' reviewed, 122, 288, 443, 593.  
Wilson, Etta S., interesting case of albinism, 419.  
Wilsonia citrina, 526.  
    *pusilla chryseola*, 57.  
    *p. pusilla*, 540.  
Winecoff, Thos. E., Spoonbills at Marco, Fla., 554.  
Wing, Leonard W., Pheasants killing a Quail, 417.  
Wing, structure of, 110.  
Wisconsin, birds of, 73, 120, 262, 423, 551, 556, 559, 565, 578.  
Witherby, H. F., notice of his 'The Molts of the European Passeres,' 120.  
Wood, Harold B., efficiency of propagation of Barn Swallows, 89; increasing the power of field glasses, 429.  
Wood, Norman A., some unusual bird records from Isla Royale, Michigan, 267.  
Woodcock, 248.  
    European, 117.  
Woodpecker, Chinese Pied, 544.  
    Downy, 253, 512.  
    Eastern Black, 199.  
Woodpecker, Golden-fronted, 520.  
    Hairy, 512.  
    Hispaniolan, 484.  
    Northern Hairy, 537.  
    Pileated, 514.  
    Red-bellied, 512, 520.  
    Red-cockaded, 575.  
    Red-headed, 84, 267.  
    Wilder's Pygmy, 198.  
Woolston, William Jenks, personal mention, 136.  
Worth, C. Brooke, notes from Brownsville, Texas, 98.  
Wren, Bewick's, 578.  
    British, 19.  
    Carolina, 39.  
    Lomita, 520.  
    Long-billed Marsh, 540.  
    Rock, 26.  
    Seattle, 58.  
    Short-billed Marsh, 262, 572.  
    Texas, 513, 520.  
    Tule, 59.  
    Western House, 58, 540.  
    Winter, 524, 570.  
    Winter western, 58.  
'Wren Tit, The,' reviewed, 123, 289.  
Wright, Horace W., continuation of his 'Birds of the Boston Public Garden, 523.  
Wyoming, birds of, 581.  
**XANTHOCEPHALUS xanthocephalus**, 538.  
Xanthomelas bakeri, 118.  
Xanthopygia elisae, 202.  
Xema sabini, 360.  
**YAKUTSK**, birds of, 118.  
Yellow-hammer, 526.  
Yellow-legs, 424, 558, 574.  
    Greater, 248, 428, 424, 558.  
    Lesser, 248, 427, 428, 536.  
Yellowstone Park, birds of, 581.  
Yellow-throat, Maryland, 261, 423, 508.

- Yellow-throat, Pacific, 57.  
    Western, 540.
- Yuhina nigrimentum quarta*, 591.  
    *gularis omeiensis*, 591.
- Yunan, birds of, 120.
- Yungipicus kizuki wilderi*, 198.
- ZAMELODIA melanocephala*, 51.
- Zenaida aurita aurita*, 46.  
    *zenaida zenaida*, 484.
- Zenaidura macroura*, 537.
- Zenaidura m. carolinensis*, 268, 368.
- Zimmer, John T., notice of his 'A Study of the Tooth-billed Red Tanager, *Piranga flava*', 278.
- Zonotrichia albicollis*, 539.  
    *botteri*, 177.  
    *coronata*, 49.  
    *leucophrys gambeli*, 423.  
    *leucophrys nuttalli*, 48.
- Zozterops goodfellowi*, 436.

## DATES OF ISSUE.

- Vol. XLVI, No. 4—October 10, 1929.
- Vol. XLVII, No. 1—January 2, 1930.
- Vol. XLVII, No. 2—April 17, 1930.
- Vol. XLVII, No. 3—July 3, 1930.