

INDEX TO VOLUME 80

Compiled by L. R. Wolfe

(New generic, specific, and subspecific names are printed in heavy face type.)

- Acanthis, 517
 flammea, 201
- Accipiter, 432, 436, 443
 badius, 439
 bicolor bicolor, 436
 chionogaster, 434
 chionogaster chionogaster, 436
 cooperii, 369, 434, 436, 468, 516
 gentilis, 434, 439, 516
 gentilis atricapillus, 436
 g. gallinarum, 434
 g. gentilis, 436
 gundlachi, 436
 nisus, 434, 439
 nisus nisosimilis, 434
 n. nisus, 436
 striatus, 434, 516
 striatus striatus, 436
 s. velox, 436
 superciliosus fontanieri, 436
- Accipitridae, 468
- Accipitrinae, 432
- Aegolius funereus, 516
- Africa, 90 (rev.)
- Age, of birds, see longevity
- Age-specific mortality, 145–155
- Agelaius phoeniceus, 145–155, 347, 348, 550, 553
 tricolor, 552–553
- Aimophila ruficeps, 371
- Aix sponsa, 342, 343, 348
- Alabama, 90 (rev.), 366, 374
- Alaska, 371, 540–542, 544
- Albatross, Black-footed, 191, 192
 Laysan, 191, 192
- Albinism,
 Branta canadensis hutchinsii, 366
 Branta canadensis interior, 366
 Cyanocitta cristata, 374
- Alcedinidae, 469
- Alcedo atthis, 499
- Alectoris chukar, 80, 486
 chukar chukar, 80
 c. cypriotes, 80
 graeca, 80
- Ali, Salim, the birds of Sikkim (rev.), 385
- Allen, Durward L., our wildlife legacy,
 second ed. (rev.), 389–390
- Amadon, Dean, obituary of Charles
 Ketcham Nichols, 227; obituary of
 Beecher S. Bowdish, 416; reviews by,
 90, 385
- Amandava, 3
- Amazilia edward, 469
 tzacatl, 469
- Amazona autumnalis, 468
 vitata vitata, 361
- Amblycercus holosericeus, 470
- American Ornithologists' Union,
 Awards, 175
 Committees, 1962–1963, 184–185
 Eightieth Stated Meeting, 175–189
 Officers and Trustees, 184
 Report of Committee on Bird Protec-
 tion, 352–364
 Report of Research Committee, 190
 Report of Special Committee on next
 A.O.U. Check-list, 177
 Resolutions, 183
 Treasurer's report, 1961–1962, 185–189
- Ammospiza mirabilis, 362
 nigrescens, 362
- Amphispiza bilineata, 371, 379, 530, 532
 bilineata deserticola, 379
 b. opuntia, 379
- Amsterdam Island, 230
- Anabacerthia striaticollis, 469
- Anaplectes melanotis, 532
- Anas acuta, 257, 341, 347, 348
 carolinensis, 342, 348
 clypeata, 501
 crecca, 194
 cyanoptera, 374
 diazi novimexicana, 359
 discors, 257, 341, 342, 348, 368, 369, 374
 fulvigula, 341–343, 347, 348, 489
 itchtucknee, 341, 342, 348, 351
 laysanensis, 194
 platyrhynchos, 5, 257, 340, 347, 348, 501
 rubripes, 341, 348
 strepera, 342, 348
 (wyvilliana) laysanensis, 359

- (w.) *wyvilliana*, 359
- Anatidae, 359
- Anatomy, 94, 156–165, 214, 398, 568
- Anhinga anhinga*, 337, 347, 348, 468
- Anhingidae, 468
- Annan, Ormsby, experiments on photo-periodic regulation of the testis cycle in two species of the thrush genus *Hylocichla*, 166–174
- Anser albifrons*, 200
- albifrons gambelli*, 358
- Anseriformes*, 491
- Anthracothorax nigriceps*, 469
- Anthus novaeseelandiae*, 518
- spinoletta*, 499, 518
- Aptenodytes patagonica*, 241
- Aquila pomarina*, 439
- Aramides*, 344
- cajanea*, 468
- Aramus guarauna*, 347
- Archilochus colubris*, 31
- Ardea*, 471
- cinerea*, 297, 500
- herodias*, 297, 337, 338, 348, 378, 468, 499, 500
- Ardeidae*, 295, 339, 468
- Ardeola ibis*, 196
- Argentina, 74–77
- Arremonops conirostris*, 116–144, 470
- conirostris striatipectus*, 116
- Astur*, 432
- Asturina*, 431, 432, 433
- Atkeson, Thomas Z., Jr., a Cinnamon Teal specimen from Alabama, 374
- Attila spadiceus*, 470
- Auckland Islands, 230
- Aulacorhynchus prasinus*, 469
- Auriparus flaviceps*, 515
- Austin, O. L., Jr., on the American status of *Tiaris canora* and *Carduelis carduelis*, 73–74
- Aythya affinis*, 115, 342, 343, 348
- americana*, 343, 348
- collaris*, 343, 348
- marila*, 487
- valisineria*, 343, 348
- Baeolophus*, 443
- Baldwin, Paul H., and William F. Hunter, nesting and nest visitors of the Vaux's Swift in Montana, 81–85
- Barro Colorado Island*, 116
- Bartholomew, George A., and Tom J. Cade, the water economy of land birds, 504–539
- Basileuterus rufifrons*, 470
- Behavior,
- Animal, 208 (rev.)
 - General, 95, 196, 199, 214, 399, 568
 - Precocial birds, 385 (rev.)
 - Anas acuta*, 257–289
 - Anas discors*, 257–289
 - Anas platyrhynchos*, 257–289
 - Arremonops conirostris*, 116–144
 - Branta canadensis*, 257–289
 - Calothorax lucifer*, 370
 - Dendrocopos villosus*, 375
 - Eudyptes chrysocome*, 232–256
 - Geospizinae*, 372
 - Hydroprogne caspia*, 549
 - Manacus manacus*, 381 (rev.)
 - Nesomimus [? trifasciatus] melanotis*, 372
 - Podilymbus podiceps*, 449
 - Porphyryla martinica*, 545–547
 - Psomocolax oryzivorus*, 373
 - Quiscalus quiscula*, 52–72
 - Ramphocelus dimidiatus*, 116–144
 - Rupicola rupicola*, 381 (rev.)
 - Setophaga ruticilla*, 307–317
 - Sterna albifrons*, 544
 - Streptopelia risoria*, 48–51
 - Thalasseus maximus*, 549
- Bellrose, Frank C., orientation behavior of four species of waterfowl, 257–289
- Biaggi, Virgilio, Jr., record of the White Pelican and additional information on the Glossy Cowbird from Puerto Rico, 198
- Biographies, 222, 411, 580
- Biology, 218, 407, 574
- Bird, association with mammals, 196
- Bird protection, 352–364
- Bittern, American, 368
- Least, 368
- Blackbird, Brewer's, 550
- Red-winged, 145–155, 550, 553
 - Rusty, 544
 - Tricolored, 552–553
 - Yellow-headed, 145–155, 549
- Blackcap, 257

- Bluebird, Eastern, 24
Bobolink, 166, 172
Bobwhite, see Quail
Bock, Walter J., review by, 202-207
Bombycilla cedrorum, 470
Bombycillidae, 470
Booby, Masked, 191, 192, 194
 Red-footed, 194
Borror, Arthur C., European Siskin (*Car-duelis spinus*) in Maine, 201
Botaurus lentiginosus, 368
Bowdish, Beecher S., obituary of, 416
Bowman, Robert I., morphological differentiation and adaptation in the Galápagos finches (rev.), 202-207; review by, 91-93
Brambling, 201
Branta canadensis, 257, 340, 348, 366
 canadensis canadensis, 366
 c. hutchinsi, 78, 340, 348, 366
 c. interior, 366
 c. leucopareia, 358
 c. maxima, 362
 sandvicensis, 359
Breeding in autumn,
 Agelaius tricolor, 552-553
Breeding success,
 Eudyptes chrysocome, 254
Bressler, Sandra L., see Parks, John M., and —
Brewer, Richard, ecological and reproductive relationships of Black-capped and Carolina chickadees, 9-47
Brodkorb, Pierce, a giant flightless bird from the Pleistocene of Florida, 111-115; the name of a fossil rail and its date of publication, 542
Brontornithidae, 111
Brotogeris jugularis, 468
Bubo virginianus, 301-306, 371, 516
Bubulcus ibis, 378
 ibis ibis, 547
Bucconidae, 469
Bucephala albeola, 343, 348
Budgerygah, 510, 511, 513, 514, 518, 520, 531
Buechner, Helmut K., review by, 208-209
Buerkle, Udo, and W. Dan Mansell, first nesting record of the Cattle Egret (*Bubulcus ibis*) in Canada, 378-379
Bull, John L., Black-throated Sparrows in the eastern United States, 379-380
Bulweria bulwerii, 193, 379
Buphagus africanus, 196
 erythrorynchos, 196
Burhinidae, 79
Burhinus bistriatus bistriatus, 79
Bush-tanager, Brown-capped, 119, 130, 139
Buss, Irven O., review by, 389-390
Butaetes, 432
Buteo, 417-446
 albicaudatus hypospodium, 436
 albonotatus abbreviatus, 436
 a. albonotatus, 436
 brachyurus, 432, 434, 436
 buteo buteo, 436
 b. vulpinus, 436
 galapagoensis, 436
 harlani, 431, 436
 jamaicensis, 115, 343, 348, 430, 431, 516
 jamaicensis borealis, 436, 439
 j. calurus, 431, 436, 439
 j. jamaicensis, 436
 j. umbrinus, 436
 lagopus, 430-432, 516
 lagopus kamtschatkensis, 436
 l. s.-johannis, 436
 lineatus, 417-446
 lineatus alleni, 419, 420, 422-426, 436
 l. elegans, 418-420, 422-426, 436
 l. extimus, 420, 424, 425, 436
 l. lineatus, 418-420, 422-426, 430, 436
 l. texanus, 419, 423-425, 436
 magnirostris, 417-446
 magnirostris gracilis, 436
 m. griseocauda, 418, 421, 422, 430, 436
 m. petersi, 418, 420, 426
 nitidus, 417-446
 nitidus blakei, 420, 426-429
 n. maximus, 420, 422, 426-428, 430, 436
 n. micrus, 418, 427-429
 n. nitidus, 428, 429
 n. pallidus, 428, 429
 n. plagiatus, 427, 428, 436
 plagiatus, 433
 platypterus, 417-446, 468
 platypterus antillarum, 440
 p. brunnescens, 440
 p. cubanensis, 440

- p. insulicola, 440
- p. iowensis, 431
- p. platypterus, 418, 420, 422, 426, 430, 436, 440
- p. rivierei, 440
- regalis, 430, 431, 436
- ridgwayi, 417-446
- swainsoni, 430, 431, 432, 436
- Buteola*, 432
- Butorides*, 471
- virescens*, 337, 339, 348, 378, 468
- Cade, Tom J., see Bartholomew, George A., and —
- Calothorax lucifer*, 370
- Camarhynchus pallidus*, 372
- Campbell Island, 230
- Campephilus principalis*, 361
- Campylopterus*, 471
- hemileucus*, 469
- Canada, 85, 378
- Canal Zone, 116
- Capella gallinago*, 550
- Caprimulgidae*, 469
- Caprimulgus noctitherus*, 362
- Caracara, 471
- cheriway*, 468
- Cardinal, 509, 510
- Carduelis carduelis*, 73, 201
- carduelis bermudiana*, 74
- c. britannica*, 73
- c. parva*, 74
- spinus*, 201
- Carpodacus mexicanus*, 508, 511-513, 519, 522, 524, 525
- Carson, Rachel, *silent spring* (rev.), 209-213
- Casarca ferruginea*, 487
- Casmerodus*, 471
- albus*, 198, 295-300, 337, 339, 348, 468
- Cassowary*, 471
- Casuariformes*, 491
- Casuarius*, 471
- Catharacta skua*, 230
- Cathartes aura*, 164, 468
- Cathartidae*, 468
- Catbird, 24
- Centurus carolinus*, 375
- chrysachen*, 469
- rubicapillus*, 469
- Certhia familiaris*, 371
- Certhidea olivacea*, 373
- Chabreck, Robert H., breeding habits of the Pied-billed Grebe in an impounded coastal marsh in Louisiana, 447-452
- Chaetura andrei*, 84
- pelagica*, 82
- vuxi vuxi*, 81-85
- Chaffinch, 201
- Chamaepetes unicolor*, 468
- Chamberlain, E. B., see MacInnes, C. D., and —
- Charadriidae*, 468
- Charadriiformes*, 491
- Charadrius vociferus*, 544, 550
- wilsonia*, 468
- Chen rossii*, 77-79
- caerulescens*, 78, 79
- caerulescens caerulescens*, 78
- hyperborea hyperborea*, 78
- Chickadee, Black-capped, 9-47
- Boreal, 36
- Carolina, 9-47
- Chestnut-backed, 29
- Chlidonias niger*, 548
- Chloris chloris*, 201
- Chloroceryle aenea*, 469, 471
- amazona*, 469, 471
- Chlorospingus*, 116, 140, 143
- ophthalmicus*, 119
- pileatus*, 470
- Chordeiles acutipennis*, 76, 508
- minor*, 76
- Ciconia maltha*, 340, 348
- Cinnyris asiatica*, 4
- Circaetus gallicus*, 439
- Circus cyaneus*, 369
- Cisticola*, 4
- Clawson, Sterling Gene, obituary of, 109
- Clawson, Sterling G., see Williams, Lovett E., Jr., and —
- Coerebidae*, 470
- Colaptes auratus*, 347, 348, 375, 544, 550
- Colinus virginianus*, 81, 505
- Colombia*, 547
- Columba albilinea*, 468
- livia*, 258, 374, 518, 527
- Columbidae*, 468
- Columbiformes*, 491

- Columbigallina minuta, 468
 talpacoti, 468
- Colymbus nigricollis, 199
- Condor, California, 360
- Conservation, 220, 352-364, 410, 580
- Contopus, 163
 virens, 21, 156, 157, 161, 470
- Cooch, F. G., see MacInnes, C. D., and —
- Coot, American, 343, 368
- Copulation,
 Arremonops conirostris, 135-139
- Eudyptes chrysocome, 249
- Quiscalus quiscula, 53
- Setophaga ruticilla, 316
- Coragyps atratus, 343, 348, 468
- Corapipo leucorrhoa, 469
- Cormorant, Double-crested, 198, 499
- Corrigenda, 227, 586
- Corvidae, 470
- Corvus brachyrhynchos, 550
- Cotinga ridgwayi, 470
- Cotingidae, 470
- Cottam, Clarence (chairman), Ira N.
 Gabrielson, H. Albert Hochbaum,
 David A. Munro, Robert A. McCabe,
 and Richard Pough, report of the
 Committee on Bird Protection, 1962,
 352-364
- Coturnix japonica, 486
- Cowbird, Brown-headed, 35, 153, 154, 373
 Glossy, 198
 Red-eyed, 373
- Cracidae, 468
- Crake, White-throated, 125
- Crane, Whooping, 352, 360
- Creeper, Brown, 371
- Crotophaga ani, 469
 major, 469
- Crow, Common, 550
- Crozets, 230
- Crypturellus soui, 468
- Cuculidae, 469
- Curlew, Eskimo, 361
 Long-billed, 79
- Curry-Lindahl, Kai, exploration du Parc
 National Albert et du Parc National
 de la Kagera-II (rev.), 564-565
- Cyanerpes cyaneus, 5, 500
- Cyanocitta, 471
 cristata, 31, 374, 377, 470
- stelleri, 377
- Cyclarhidae, 470
- Cyclarhis gujanensis, 470
- Cypseloides niger borealis, 83
- Cyrtonyx montezumae, 505
- Dacnis cayana, 470
 venusta, 470
- Damophila julie, 469
- Davis, David E., see Dunmore, Ralph,
 and —
- Davis, John, review by, 566-567
- Dendragapus obscurus, 81
- Dendrocincla homochroa, 469
- Dendrocolaptidae, 469
- Dendrocopos borealis, 375
 pubescens, 24, 375, 550
 scalaris, 535
 villosum, 24, 375
- Dendrocygna autumnalis, 368
 bicolor, 368
- Dendroica castanea, 29
 coronata, 499
 fusca, 29
 pensylvanica, 470
 petechia, 21
 tigrina, 29
 virens, 21
- de Schauensee, R. M., Yellow-headed
 Blackbirds at sea in the Atlantic
 Ocean, 549
- Devincenzia, 113
 gallinali, 113, 115
- Dichromannassa rufescens rufescens, 362
- Dicruridae, 515
- Dicrurus adsimilis, 196
 leucops, 197
 paradiseus, 197
- Dioch, Red-billed, 172
- Diomedea immutabilis, 191
 nigripes, 191
- Disease, of birds, 215, 402, 570
- Distribution, 98-100, 198, 199-201, 201,
 216, 230, 365, 367, 368, 370, 371, 374,
 375, 378, 379, 402-404, 540, 544, 548,
 571
- Dixon, Keith L., review by, 554
- Dolichonyx oryzivorus, 166
- Dorst, Jean, the migrations of birds
 (rev.), 558-560

- Dove, Mourning, 153, 154, 513, 514, 518, 519, 521, 528, 530, 532, 549, 550
 Ring, 48–51
 Rock, 518
- Drepanidiidae, 362
- Dromiceius n. hollandiae, 471
- Drongo, Fork-tailed, 196
- Drury, William H., Jr., review by, 209–213
- Dryocopus lineatus, 469
 pileatus, 375
- Duck, Black-bellied Tree, 368
 Canvasback, 358
 Fulvous Tree, 368
 Greater Scaup, 487, 489
 Hawaiian, 359
 Laysan, 191, 192, 194, 359
 Mallard, 5, 6, 257–289
 Mexican, 359
 Mottled, 489, 490
 Pintail, 257–289
 Redhead, 358
 Ruddy, 268, 369
 Ruddy Sheld-Duck, 487–489
 Shoveler, 510
- Dumetella carolinensis, 24
- Dunham, David W., head-scratching in the Hairy Woodpecker, *Dendrocopos villosus*, 375
- Dunmore, Ralph, and David E. Davis, reproductive condition of feral pigeons in winter, 374
- Eagle, Golden, 362
 Lesser Spotted, 439
 Snake, 439
- Ecology, 9–47, 100, 217, 405, 572
- Eggs, description of,
Calothorax lucifer, 371
Larus minutus, 548
- Egret, Cattle, 196, 378, 547
 Common, 198, 199, 295–300
 Reddish, 362
 Snowy, 198, 199
- Eibl-Eibesfeldt, Irenäus, Galapagos—the Noah's ark of the Pacific (rev.), 91–93
- Eisenmann, Eugene, Mississippi Kite in Argentina; with comments on migration and plumages in the genus *Ictinia*, 74–77; review by, 390–391, 396–397
- Elanoides forficatus, 75
- Emberizinae, 320
- Embryology, 94, 214, 398, 568
- Emlen, John T., review by, 564–565
- Empidonax, 156, 157, 163, 164
 flaviventris, 470
 traillii, 156, 157, 161
- Emu, 471
- Eriksson, Paul S., see Krutch, Joseph Wood, and —
- Erolia maritima, 499
- Estrilda troglodytes, 508, 511, 512
- Eudocimus albus, 340, 347, 348
- Eudyptes chrysocome, 229–256
 chrysophorus schlegeli, 229, 232
 pachyrhynchus, 253
- Eudyptula minor, 253
- Euphagus carolinus, 544
 cyanocephalus, 550
- Evolution, 217, 407, 574
- Falco, 471
 columbarius, 516
 concolor, 516
 mexicanus, 516
 peregrinus, 516
 peregrinus babylonicus, 516
 rusticulus, 516
 sparverius, 468, 516
 tinnunculus, 516
- Falcon, Peregrine, 516
 Prairie, 516
 Red-naped Shaheen, 516
 Sooty, 516
- Falconidae, 432, 468
- Falconiformes, 417
- Falkland Islands, 230, 231, 233, 237
- Fat, relation to body weight, 324–327
- Ffrench, Richard, Bulwer's Petrel (*Bulweria bulwerii*) in Trinidad, West Indies, 379
- Ficken, Millicent S., courtship of the American Redstart, 307–317
- Ficken, Robert W., courtship and agonistic behavior of the Common Grackle, *Quiscalus quiscula*, 52–72
- Finch, House, 513–515, 518–524, 529, 531, 532
- Warbler, 373
- Woodpecker, 372

- Zebra, 509, 510, 514, 515, 518, 533
- Fisher, Harvey I., see Goodman, Donald C., and —
- Flicker, Yellow-shafted, 375, 544, 550
- Florida, 111–115, 335–355, 365, 367, 471
- Florida caerulea, 6, 339, 348, 468, 500
- Flycatcher, Fork-tailed, 85, 159
Great Crested, 160
Traill's, 156, 161
- Food habits,
Foraging methods of hawks, 437, 438
- Agelaius phoeniceus, 550
- Burhinus bistriatus, 79
- Camarhynchus pallidus, 372
- Capella gallinago, 550
- Charadrius vociferus, 550
- Corvus brachyrhynchos, 550
- Euphagus cyanocephalus, 550
- Larus delawarensis, 550
- Parus atricapillus, 25–31
- Parus carolinensis, 25–31
- Podilymbus podiceps, 550
- Porphyrrula martinica, 545
- Quiscalus quiscula, 550
- Sterna albifrons, 544
- Sturnus vulgaris, 550
- Totanus melanoleucus, 550
- Turdus migratorius, 550
- Formicariidae, 469
- Franklinia, 4
- Fratercula, 4
- Fringilla coelebs, 201
montifringilla, 201
- Fringillidae, 470
- Fulica, 344
americana, 347, 348, 368, 468, 546
minor, 347, 348
- Furnariidae, 469
- Gabrielson, Ira N., see Cottam, Clarence, *et al.*
- Galápagos, 91–93 (rev.), 202–207 (rev.), 372
- Galliformes, 491
- Gallinula *brodkorbi*, 344–346, 348, 351
chloropus, 344–346, 348, 368
chloropus sandvicensis, 361
- Gallinule, Common, 368
Hawaiian, 361
- Purple, 368, 545–547
- Gallirallus australis, 254
- Gannet, 6, 199
Australian, 251
- Genetics, 217, 407, 574
- Georgia, 545–547
- Geospiza fortis, 372
fuliginosa, 372
magnirostris, 372
- Geospizinae, 372
- Geothlypis chiriquensis, 470
trichas, 21
- Geotrygon chiriquensis, 468
chrysia, 462
- Gilliard, E. Thomas, on the breeding behavior of the Cock-of-the-rock (Aves, Rupicola rupicola) (rev.), 381–384
- Glaucis hirsuta, 469
- Godwit, Hudsonian, 361
- Goldfinch, American, 201, 499
European, 73, 201
- Gonadal measurements, 169, 170, 552
- Goodman, Donald C., review by, 555
- Goodman, Donald C., and Harvey I. Fisher, functional anatomy of the feeding apparatus in waterfowl (rev.), 562–564
- Goose, Blue, 78
Canada, 78, 257–289, 358, 366
Giant Canada, 362
Hawaiian, 359
Ross', 77–79, 354
White-fronted, 200, 358
- Goshawk, 437–440, 516
Mexican, 417
- Gough Island, 230
- Grackle, Common, 52–72, 152, 550
Rice, 373
- Grassquit, Blue-black, 135
Melodious, 73
- Grebe, Eared, 199
Horned, 499
Least, 368
Pied-billed, 343, 368, 447–452, 550
- Greenfinch, 201
- Greenway, James C., Jr., see Mayr, Ernst, and —
- Grimm, Robert J., and Walter M. Whitehouse, pellet formation in a Great Horned Owl: a roentgenographic study, 301–306

- Grosbeak, Black-headed, 201
 Grouse, Blue, 81
Grus americana, 344, 348, 360
 Gull, Bonaparte's, 548
 Franklin's, 4, 200
 Glaucous, 200
 Herring, 79, 153, 200, 375, 499
 Laughing, 375, 451, 544
 Little, 548
 Ring-billed, 376, 550
 Sabine's, 4
 Gunn, William W. H., prairie spring—12"
 LP recording (rev.), 93
Gymnogyps amplus, 343, 348
 californianus, 360
Gyrfalcon, 516
 Hailman, Jack P., Herring Gull extends breeding range south to North Carolina, 375-376
 Hall, B. P., and R. E. Moreau, a study of the rare birds of Africa (rev.), 90
 Hammond, E. A., Dr. Strobel's account of John J. Audubon, 462-466
 Hardy, John William, editor, Recent Literature, 94-106, 214-224, 398-413, 568-585
Harpagus, 434
 Harrison, C. J. O., interspecific preening display by the Rice Grackle, *Psomocolax oryzivorus*, 373-374
 Harrison, P. P. O., sea birds of the south Pacific Ocean (rev.), 396-397
 Hartman, F. A., and M. A. Lessler, erythrocyte measurements in birds, 467-473
 Hawk, Broad-winged, 417-446
 Cooper's, 369, 434, 437-440, 516
 European Sparrow, 434
 Ferruginous, 437, 438
 Gray, 417-446
 Marsh, 369
 Red-shouldered, 417-446
 Red-tailed, 437-439, 516
 Ridgway's, 417-446
 Roadside, 417-446
 Rough-legged, 437, 438, 516
 Sharp-shinned, 434, 437-440, 516
 Sparrow, 516
 Swainson's, 437, 438
 White-tailed, 437, 438
 Zone-tailed, 437, 438
 Head-scratching, 375
 Heard Island, 229, 230
Heliodoxa jacula, 469
Heliornis fulica, 468
Heliornithidae, 468
 Helms, Carl W., tentative field estimates of metabolism in buntings, 318-334
 Heron, Black-crowned Night, 297, 298, 378
 Common, 297, 298, 299
 Great Blue, 297, 298, 378, 499
 Green, 378
 Little Blue, 6, 500
 Louisiana, 100, 198
Hieraaetus, 432
Himantopus himantopus knudseni, 362
 mexicanus, 468
Hirundinidae, 470
Hirundo rustica, 549
 Hochbaum, H. Albert, see Cottam, Clarence, *et al.*
 Honeycreeper, Blue, 5
 Howell, Arthur H., memorial to, 290-294
 Howell, Thomas R., review by, 385-387
 Hummingbird, Lucifer, 370
 Ruby-throated, 31
 Humphrey, Philip S., and Kenneth C. Parkes, comments on the study of plumage succession, 496-503
 Hundley, Margaret H., wing-flashing in the Galápagos Mockingbird, 372; notes on methods of feeding and the use of tools in the Geospizinae, 372-373
 Hunter, William F., see Baldwin, Paul H., and —
 Hybridization,
 Parus atricapillus × *Parus carolinensis*, 15-19
Hydranassa tricolor, 198, 339
Hydroprogne caspia, 365, 549
Hylocichla, 166-174
 guttata, 166, 167
 minima, 166, 167
 ustulata, 166, 167
 Ibis, Glossy, 200
 White-faced, 200
Icteridae, 470
Icterus galbula, 470
 mesomelas, 470
 spurius, 549

- Ictinia, 74-77
 misissippiensis, 74-77
 plumbea, 74-77
- Imhof, Thomas A., Alabama birds (rev.), 90-91
- Incubation period,
 measuring, 453-461
- Eudyptes chrysocome, 235
- Hydroprogne caspia, 366
- Troglodytes aedon, 454
- Iowa, 550
- Ixobrychus exilis, 339, 368
- Jacana spinosa, 468
- Jacanidae, 468
- Jaeger, Parasitic, 79, 200
- James, Pauline, Fork-tailed Flycatcher
(*Muscivora tyrannus tyrannus*) taken
in Texas, 85
- Jameson, E. W., Jr., the hawking of
Japan (rev.), 557
- Jay, Blue, 31, 374, 377
 Steller's, 377
- Johnson, Ned K., and Hans J. Peeters,
the systematic position of certain
hawks in the genus *Buteo*, 417-446
- Johnston, David W., the biosystematics
of American crows (rev.), 566-567
- Junco, Slate-colored, 166, 171, 320-333,
505
- Junco hyemalis, 166, 320-333, 505, 511,
512
- Junge, George Christoffel Alexander,
obituary of, 109
- Kahl, M. Philip, Jr., mortality of Common
Egrets and other herons, 295-300
- Kalmbach, E. R., in memoriam: W. L.
McAtee, 474-485
- Kendeigh, S. Charles, report of the Research
Committee for 1962, 190; new ways of measuring the incubation period of birds, 453-461
- Kenyon, Karl W., further observations of Whooper Swans in the Aleutian Islands, Alaska, 540-542
- Kerguelen, 230
- Kestrel, 516
- Killdeer, 544, 550
- Kingbird, Eastern, 159
- Gray, 200, 463
- Kingfisher, Belted, 199
 European, 499
- Kite, Everglade, 360
 Mississippi, 74-77
- Plumbeous, 74-77
- Swallow-tailed, 75
- Krutch, Joseph Wood, and Paul S. Eriksson (editors), a treasury of birdlore (rev.), 384
- Land, Hugh C., and William L. Schultz,
a proposed subspecies of the Great Potoo, *Nyctibius grandis* (Gmelin), 195-196
- Laniidae, 515
- Lanius collurio, 6
 excubitor, 516
 ludovicianus, 508, 516
- Larus argentatus, 153, 200, 499
 argentatus smithsonianus, 79, 375
 atricilla, 375, 451, 544
 delawarensis, 376, 550
 hyperboreus, 200
 minutus, 548
 philadelphia, 548
 pipixcan, 4, 200
- Laterallus albicularis, 125, 468
- Legatus leucophaius, 76
- Lepidocolaptes affinis, 469
- Lessler, M. A., see Hartman, F. A., and —
- Leucophoyx, 471
 thula, 198, 339, 468
- Life history,
 Stelgidopteryx ruficollis (rev.), 388
- Ligon, J. David, breeding range expansion of the Burrowing Owl in Florida, 367-368
- Limosa haemastica, 361
- Lister, Michael, a bird and its bush (rev.), 556-557
- Longevity,
 Ardea cinerea, 297, 298
 Ardea herodias, 297
- Casmerodus albus, 295, 297
- Nycticorax nycticorax, 297
- Parus atricapillus, 34
- Parus carolinensis, 34
- Lophætus, 432, 433
- Lophodytes cucullatus, 198, 342, 343, 348

- Lophortyx gambelii, 505, 530
 Lophotriccus pileatus, 470
 Louisiana, 447-452
 Lunk, William A., the Rough-winged Swallow Stelgidopteryx ruficollis (Vieillot) (rev.), 388-389
- MacInnes, C. D., and E. B. Chamberlain, the first record of the Double-striped Thick-knee in the United States, 79
- MacInnes, C. D., and F. G. Cooch, additional eastern records of Ross' Goose (*Chen rossii*), 77-79
- Macquarie Island, 229-256
- Macronus striaticeps mindanensis, 543
- Maine, 201
- Malimbus rubriceps, 532
- Manacus vitellinus, 469
- Management, 220, 410, 580
- Mansell, W. Dan, see Buerkle, Udo, and —
- Mareca americana, 342, 348
- Marion Island, 230
- Matthews, Barbara Marshall, a case of joint nidification in Ring Doves, 48-51
- Mayfield, Harold, review by, 388-389
- Mayr, Ernst, obituary of George Christoffel Alexander Junge, 109
- Mayr, Ernst, and James C. Greenway, Jr. (editors), check-list of birds of the world, vol. XV (rev.), 392-393
- McAtee, Waldo Lee, memorial to, 474-485
- McCabe, Robert A., see Cottam, Clarence, *et al.*
- McCoy, John J., the fossil avifauna of Itchtucknee River, Florida, 335-351
- McDaniel, Burruss, and Shirley McDaniel, feeding of Least Terns over land, 544
- McDaniel, Shirley, see McDaniel, Burruss, and —
- Meanley, Brooke, pre-nesting activity of the Purple Gallinule near Savannah, Georgia, 545-547
- Measurements, of birds, *Branta canadensis* ssp., 366
Chaetura vauxi, 84
Larus minutus, 548
Nyctibius grandis *grandis*, 195, 196
Nyctibius grandis *guatemalensis*, 195
Stachyris capitalis *isabelae*, 543
- Todus mexicanus, 551
- Measurements, of eggs, *Calothorax lucifer*, 371
Chaetura vauxi, 82
Larus minutus, 548
Parus atricapillus, 40
Parus carolinensis, 40
- Measurements, erythrocyte, 467-473
- Measurements, gonadal, 169, 170, 552
- Megacyrle alcyon, 199
- Megadyptes antipodes, 231, 244
- Meitzen, Travis C., additions to the known breeding ranges of several species in south Texas, 368-369
- Melanerpes erythrocephalus, 21
formicivorus, 469
- Meleagris gallopavo, 115, 344, 348
- Melopsittacus undulatus, 510-512, 519, 532
- Melospiza melodia, 320-333, 518
melodia cooperi, 511, 512, 519
m. maxillaris, 511, 512, 519, 521
m. samuelis, 153, 511, 512, 519, 521
- Mengel, Robert M., notes and news, 107-109, 225-227, 414, 586; reviews by, 93, 213, 384, 392-393, 393-395, 395-396, 557
- Merganser, American, 343
 Hooded, 198, 199
 Red-breasted, 198, 199
- Mergus merganser, 115, 343, 348
serrator, 198
- Merlin, 516
- Metabolism in buntings, 318-334
- Meyerring, Andrew J., see Woolfenden, Glen E., and —
- Micrastur, 434
semitorquatus, 434
- Micrathene whitneyi, 535
- Migration, 74, 78, 221, 379, 411, 540, 544, 549, 579
- Mimus polyglottos, 372, 508
- Miskimen, Mildred, the syrinx in certain tyrant flycatchers, 156-165
- Mississippi, 199-201
- Mitrephanes phaeocercus, 470
- Mixornis capitalis, 543
- Mniotilla varia, 31, 470
- Mockingbird, Galápagos, 372
- Molothrus ater, 35, 153, 373
bonariensis, 198

- Molt,
feather replacement, 486-495
nomenclature, 1-8, 496-503
plumage succession, 496-503
Agelaius tricolor, 552-553
Alectoris chukar, 80, 486
Chaetura vauxi, 84
Eudyptes chrysocome, 252
Montana, 81-85
Moreau, R. E., see Hall, B. P., and —
Morse, Margarette E., another albinistic
Blue Jay, 374
Mortality,
Agelaius phoeniceus, 145-155
Ardeidae, 295-300
Eudyptes chrysocome, 254
Parus atricapillus, 33-35
Parus carolinensis, 33-35
Xanthocephalus xanthocephalus, 145-
155
Morus bassanus, 199
Motacilla spp., 518
Motacillidae, 518
Mountfort, Guy, the wild Danube (rev.),
395-396
Moynihan, M., display patterns of tropi-
cal American "nine-primaried" song-
birds, III. The Green-backed Spar-
row, 116-144; the organization and
probable evolution of some mixed
species flocks of Neotropical birds
(rev.), 554; reviews by, 381-394
Munro, David A., see Cottam, Clarence,
et al.
Murphy, Robert Cushman, obituary of
Lord William Percy, 414-416
Murre, Common, 499
Thick-billed, 354
Muscicapidae, 515
Muscivora, 163, 164
 tyrannus, 76, 156, 157, 159
 tyrannus tyrannus, 85
Muscles (syringeal), 157-165
Mycteria americana, 340, 348
Myiarchus, 156-158, 163-165
 barbirostris, 157
 berlepschii, 157
 cinerascens, 157
 crinitus, 156-158, 160
 nuttingi, 157
 sclateri, 157
 stolidus, 157
 validus, 157
Myioborus miniatus, 470
Myiodynastes luteiventris, 76
 maculatus, 76
Myiozetetes cayanensis, 470
Myology, 156-165
Nectarinia takazze, 4
Nectariniidae, 515
Nene, 359
Nesomimus [? trifasciatus] melanotis, 372
Nesting,
 Chaetura vauxi, 81-85
 Larus minutus, 548
Podilymbus podiceps, 448
 Streptopelia risoria, 48-51
 Todus mexicanus, 551
Nesting success,
 Podilymbus podiceps, 449
New Brunswick, 85
Nice, Margaret Morse, development of
behavior in precocial birds (rev.),
385-387
Nichols, Charles Ketcham, obituary of,
227
Norris, Robert A., review by, 556-557
North Carolina, 375
Notharchus macrorhynchos, 469
Nova Scotia, 565 (rev.)
Numenius americanus, 79
 borealis, 361
Nuthatch, White-breasted, 24, 31, 550
Nyctanassa violacea, 339
Nyctea scandiaca, 516
Nyctibiidae, 469
Nyctibius grandis, 195
 grandis guatemalensis, 195
 griseus, 469
Nycticorax nycticorax, 297, 337, 339, 348,
 378
Nyctidromus albicollis, 469

Obituary of, Beecher S. Bowdish, 416;
 Sterling Gene Clawson, 109; George
 Christoffel Alexander Junge, 109;
 Charles Ketcham Nichols, 227; Lord
 William Percy, 414-416
Oceanodroma leucorhoa, 525

- Odontophorus guttatus, 468
Oenanthe oenanthe, 499
Olor buccinator, 340, 347, 348, 359
 columbianus, 340, 348, 541
 cygnus, 540
Onactornis, 113, 115
 depressus, 113, 115
 pozzii, 113, 115
Ontario, 378, 548
Orians, Gordon H., notes on fall-hatched
 Tricolored Blackbirds, 552–553
Orientation,
 General, 221, 411, 577
 Waterfowl, 257–289
Oriole, Orchard, 549
Ostrich, 471
Otus asio, 508, 516
 choliba, 469
Owl, Boreal, 516
 Burrowing, 367
 Elf, 535
 Great Horned, 301–306, 371, 516
 Hawk, 516
 Screech, 516
 Snowy, 516
 Tawny, 516
Oxpecker, Red-billed, 196
 Yellow-billed, 196
Oxyura jamaicensis, 368, 369
- Palaeophoyx**, 337
 columbiana, 338, 348, 351
Paleontology, 103–106, 111–115, 223, 335–351, 412, 582
Palmer, Ralph S. (editor), handbook of
 North American birds, vol. I (rev.),
 86–90; review by, 565
Pandion haliaetus, 344, 348
Parabuteo, 431, 432, 433
Parasitism, 35
Parasitology, 215, 402, 570
Pardirallus, 344
Paridae, 515
Parkes, Kenneth C., a new subspecies of
 tree-babbler from the Philippines,
 543–544; see *Humphrey*, Philip S.,
 and —
Parks, John M., and Sandra L. Bressler,
 observations of joint feeding activities
 of certain fish-eating birds, 198–199
- Parrot*, Puerto Rican, 361
Partridge, Chukar, 80, 486–490
Parulidae, 470
Parus, 443
 ater, 29
 atricapillus, 9–49
 atricristatus, 29
 bicolor, 21
 caeruleus, 29
 carolinensis, 9–47
 hudsonicus, 36
 inornatus, 29
 major, 29
 montanus, 38, 39
 palustris, 29
 rufescens, 29
Passer domesticus, 24, 487, 505, 508, 511, 512, 529
Passerculus princeps, 362
 sandwichensis, 510, 519, 532
 sandwichensis beldingi, 511, 512, 519–525, 532
 s. brooksi, 511, 512, 518, 521, 525
 s. rostratus, 511, 512, 518, 521, 525
 s. sanctorum, 533
Passerella iliaca, 320–333, 511, 512
Passeriformes, 2, 491
Peeters, Hans J., see Johnson, Ned K.,
 and —
Pelecanidae, 468
Pelecanus erythrorhynchos, 198
 occidentalis, 468
Pelican, White, 198
Pellet formation in owls, 301–306
Penguin, Adélie, 239, 243, 244
 Gentoo, 250
 King, 241, 243, 244
 Macaroni, 243
 Rockhopper, 229–256
 Royal, 229, 230, 231, 243
 Yellow-eyed, 243
Percy, Lord William, obituary of, 414–416
Pesticide, effects of, 209–213 (rev.)
Peterson, Roger Tory, how to know the
 birds (rev.) 93
Petrel, Bonin Island, 192, 193
 Bulwer's, 191–193, 379
 Leach's, 193, 525

- Pettingill, Olin Sewall, Jr. (editor), The Living Bird (rev.), 393-395
- Phaethornis guy, 469
- Phalacrocoracidae, 468
- Phalacrocorax auritus, 115, 198, 337, 348, 468, 499
- Phalaenoptilus nuttallii, 508, 509
- Phalaropidae, 4
- Pharomachrus mocino, 469
- Phasianidae, 468
- Pheucticus melanocephalus, 201, 511, 512 tibialis, 470
- Philippine Islands, 543
- Philohela minor, 85
- Phloeoceastes guatemalensis, 469
- Phoebe, Eastern, 160
- Phorusrhacidae, 111
- Phorusrhinae, 111
- Phorusrhacoidea, 111-115
- Phorusrhacos, 111, 113 longissimus, 113, 115
- Phylloscopus, 5, 501 trochilus, 5 sibilatrix, 5
- Physiology, 102, 156-165, 222, 411, 580
- Piapiac, 197
- Piaya cayana, 469
- Picidae, 469
- Pionus senilis, 468
- Pipilo aberti, 508, 509, 512 fuscus, 371, 508, 509, 511, 512 maculatus, 508
- Pipit, Rock, 518 Water, 499
- Pipridae, 469
- Piranga olivacea, 1 rubra, 21
- Plegadis chihi, 200 falcinellus, 200
- Ploceus, 4
- Plover, Blackhead, 373
- Plumage,
Accipiters, 433-435
Buteos, 419-431
Ictinia, 74-77
- Plumage and molts (nomenclature), 1-8, 496-503
- Podiceps auritus, 337, 348, 499 dominicus, 468 dominicus brachypterus, 368
- Podicipedidae, 468
- Podilymbus magnus, 115, 337, 348 podiceps, 337, 347, 348, 368, 447-452, 468, 550
- Poecile, 443
- Poor-will, 509, 510, 527
- Population, 37, 100, 217, 405, 572
- Porphyriops, 345
- Porphyrula, 344 martinica, 368, 468, 545-547
- Porzana carolina, 344, 348, 499 pusilla intermedia, 542
- Potoo, Great, 195
- Pough, Richard, see Cottam, Clarence, et al.
- Prairie Chicken, 360 Attwater's, 360
- Predation, 35
- Preening, interspecific, 373
- Prion, Fairy, 193
- Prionopidae, 515
- Procellaria puffinus, 258
- Procellariiformes, 252
- Progne chalybea, 76, 470
- Protonotaria citrea, 21
- Psilopteridae, 111
- Psittacidae, 468
- Psittaciformes, 491
- Psomocolax oryzivorus, 373
- Pterocles spp., 517
- Pterodroma hypoleuca, 193
- Pteroglossus torquatus, 469
- Ptilostomus afer, 197
- Puerto Rico, 198, 551
- Puffinus nativitatis, 193 pacificus, 191 tenuirostris, 193
- Pulich, Warren M., Sr., and Warren M. Pulich, Jr., the nesting of the Lucifer Hummingbird in the United States, 370-371
- Pulich, Warren M., Jr., see Pulich, Warren M., Sr., and —
- Pygochelidon cyanoleuca, 470
- Pygoscelis adeliae, 239, 249 papua, 250
- Pyrrhura hoffmanni, 468
- Quail, Bobwhite, 81, 505 California, 505, 513-515, 519, 521, 530

- Gambel's, 505, 515
 Harlequin, 505, 515
 Japanese, 486
 Quail-dove, Key West, 462
 Quelea quelea, 172
Quercyrallus, 542
Iudianus, 542
Quiscalus quiscula, 52–72, 152, 347, 348,
 550
quiscula quiscula, 52
q. versicolor, 52
- Rallidae, 468
Rallus, 344
 elegans, 344, 348, 468
 intermedius, 542
 limicola, 344, 358
 Ramphastidae, 469
Ramphastos swainsoni, 469
Ramphocelus, 116, 117, 119, 125, 129,
 135
dimidiatus, 117, 143, 586
passerinii, 470, 586
 Rand, Austin L., review by, 86–90
 Recurvirostridae, 468
 Redpoll, Common, 201
 Redstart, American, 31, 307–317
Rhea americana, 471
 Rheidae, 111
Rhinoptynx clamator, 469
 Rice, Dale W., birds associating with
 elephants and hippopotamuses, 196–
 197
Richmondena cardinalis, 508, 509
 Robin, 153, 369, 377, 550
 Rolle, Francis J., notes on the nesting
 burrow and the young of the Puerto
 Rican Tody (*Todus mexicanus*), 551
Rostrhamus sociabilis plumbeus, 360
Rupornis, 432, 433, 443
 Rynchopidae, 549
Rynchops nigra, 365, 549
- Salpinctes obsoletus*, 515, 530
 Saltator, Streaked, 121
Saltator albicollis, 121, 470
 atroceps, 470
 Sandpiper, Common, 197
 Purple, 499
 Sapsucker, Yellow-bellied, 375
- Sarcophorus tectus*, 373
Sarcoramphus papa, 468
 Sauer, E. G. Franz, review by, 558–560
Sayornis, 163
 phoebe, 157, 160
 Schantz, Viola S., in memoriam: Arthur
 H. Howell, 290–294
 Schönwetter, Max, *Handbuch der Oologie*
 (rev.), 390–391
 Schultz, William L., see Land, Hugh C.,
 and —
 Scott, George A., first nesting of the
 Little Gull (*Larus minutus*) in On-
 tario and in the New World, 548–
 549
 Seedeater, Variable, 121
 Yellow-bellied, 121
Seiurus, 375
Selasphorus, 471, 472
 scintilla, 469
Setophaga ruticilla, 31, 307–317
 Shearwater, Christmas Island, 192, 193
 Manx, 258
 Slender-billed, 193
 Wedge-tailed, 191–193
 Sheld-Duck, Ruddy, 487–489
 Shrike, Loggerhead, 516
 Northern, 516
 Red-backed, 6
Sialia sialis, 24
 Sibley, Charles G., Treasurer's report for
 the period August 1, 1961–July 31,
 1962, 185–189
 Sikkim, 385 (rev.)
 Simon, Hilda, the study of birds made
 simple (rev.), 213
 Siskin, European, 201
Sitta carolinensis, 24, 550
Sittasomus griseicapillus, 469
 Skimmer, Black, 365, 549
 Skinner, Robert W., albinism in a Cana-
 da Goose, 366
 Skua, Southern, 230
 Snipe, Common, 550
 Snow, D. W., a field study of the Black
 and White Manakin, *Manacus mana-*
cus, in Trinidad (rev.), 381–384
 Sora, 499
 Sparrow, Black-throated, 371, 379, 530
 Cape Sable, 362

- Chipping, 377
Dusky Seaside, 362
Fox, 320-333
 Green-backed, 116-144
 House, 24, 487, 505, 531
 Ipswich, 362
 Rufous-crowned, 371
 Savannah, 510-512, 514, 518, 520-524,
 533
 Song, 153, 320-333, 362, 511, 512, 518,
 521
 Tree, 320-333, 550
 White-throated, 171, 173, 320-333, 505
- Spatula clypeata, 342, 343, 348
Speotyto cunicularia, 469
 cunicularia floridana, 367
Sphenisciformes, 491
Sphyrapicus varius, 375
Spinus tristis, 201, 499
Spizaetus, 434
Spizastur melanoleucus, 434
Spizella arborea, 320-333, 550
 passerina, 377
Sporophila aurita, 121
 nigricollis, 121
Sporpipes squamifrons, 532
St. Paul Rocks, 230
Stachyris, 543
 capitalis, 543
 capitalis capitalis, 543
 c. isabelae, 543
 hypogrammica, 543
 nigrocapitata, 543
Starling, 2, 257, 544, 550
Stelgidopteryx ruficollis, 470
Stercorarius parasiticus, 79, 200
Sturna albifrons, 544
 hirundo, 257
Sterninae, 4, 549
Stilt, Hawaiian, 362
Streptopelia risoria, 48-51
Stresemann, Erwin, the nomenclature of
 plumages and molts, 1-8
Strigidae, 469
Strix aluco, 516
 varia, 469
Struthio camelus, 471
Struthionidae, 471
Sturnus vulgaris, 2, 257, 544, 550
Sula bassana, 6
 dactylatra, 194
 serrator, 251
 sula, 194
Surnia ulula, 516
Swallow, Barn, 549
Swan, Trumpeter, 359
 Whistling, 541, 542
 Whooper, 540-542
Swift, Black, 83
 Chimney, 82, 84
 Vaux's, 81-85
Sylvia, 5, 501
 atricapilla, 257
 borin, 5, 257
 communis, 5
Sylviidae, 515
Synallaxis brachyura, 469
Syrinx (Tyrannidae), 156-165
Szöke, P., zur Entstehung und Entwick-
 lungsgeschichte der Musik (rev.),
 387
Taeniopygia castanotis, 508, 509, 511,
 512, 519, 532
Tanager, Crimson-backed, 117-144
 Scarlet, 1, 2
 Summer, 21
Tanagra icterocephala, 470
Tangavius aeneus, 373
Tanner, James T., review by, 90-91
Taraba major, 469
Taxonomy, 103-106, 111-115, 195, 223,
 412, 417-446, 542, 543, 582
Teal, Blue-winged, 257-289, 368, 369, 374
 Cinnamon, 374
Temperature, of birds, 191-194
 incubation, 455
Teratornis merriami, 343, 348
Tern, Black, 548
 Caspian, 365, 549
 Common, 257
 Least, 544
 Royal, 549
Testis cycle, regulation of, 166-174, 552-
 553
Texas, 79, 85, 368, 370, 544
Thalasseus maximus, 549
Thalurania furcata, 469
Thick-knee, Double-striped, 79
Thrasher, Crissal, 371

- Thraupidae, 470
 Thraupis episcopus, 470
 Thrush, Clay-colored, 121
 Gray-cheeked, 167
 Hermit, 167-173
 Swainson's, 167-173
 Thryomanes bewickii, 371
 Thryothorus fascioventris, 470
 modestus, 470
 Tiaris bicolor bicolor, 73
 canora, 73
 olivacea, 470
 Tierra del Fuego, 230
 Tigrisoma, 471, 472
 cabanisi, 339
 lineatum, 339, 468
 Timaliidae, 515
 Tinamidae, 468
 Tit, Blue, 29
 Coal, 29
 Great, 29
 Marsh, 29
 Willow, 38
Titanis, 111-115
 walleri, 113-115
 Titmouse, Black-crested, 29
 Plain, 29
 Tufted, 21, 22, 25, 29, 31
 Tityra semifasciata, 470
 Todirostrum cinereum, 470
 Todus mexicanus, 551
 Tody, Puerto Rican, 551
 Tomkins, Ivan R., skimmer-like behavior
 in the Royal and Caspian terns, 549
 Totanus melanoleucus, 550
 Towhee, Abert's, 509, 513
 Brown, 371, 509, 513
 Toxostoma dorsale, 371, 511, 512
 redivivum, 508
 Taylor, Melvin A., review by, 560-561
 Tree-babbler, Rufous-crowned, 543
 Tringa hypoleucos, 197
 Trinidad, 379, 381 (rev.)
 Tristan da Cunha, 230, 234, 235
 Trochilidae, 469
 Troglodytes aedon, 453, 505, 508, 527
 musculus, 470
 Troglodytidae, 470
 Trogon collaris, 469
 massena, 469
 Trotogonidae, 469
 Tufts, Robie W., the birds of Nova Scotia (rev.), 565
 Turček, F. J., review by, 387
 Turdidae, 362, 470, 515
 Turdis grayi, 121, 470
 migratorius, 153, 369, 377, 550
 plebejus, 470
 Turkey, 343
 Turnicidae, 534
 Tympanuchus cupido, 360
 cupido attwateri, 360
 pallidicinctus, 360
 Tyrannidae, 156-165, 470
 Tyrannus, 163, 164
 dominicensis, 200, 462
 tyrannus, 157, 159
 Udvardy, Miklos D. F., data on the body temperature of tropical sea and water birds, 191-194
 Uria aalge, 499
 Van Velzen, Willet T., records of the Brown Creeper for interior Alaska, 371
 Veery, 167, 172
 Verdin, 515, 535
 Vermivora bachmanii, 362
 gutturalis, 470
 Vireo, Gray, 371
 Red-eyed, 21
 Vireo, 443
 flavoviridis, 76
 olivaceus, 21
 vicinior, 371
 Voice,
 Arremonops conirostris, 119-136
 Porphyruia martinica, 545
 Setophaga ruticilla, 307
 Volatinia jacarina, 135
 Vulture, Turkey, 164
 Walkinshaw, Lawrence H., proceedings of the Eightieth Stated Meeting of the American Ornithologists' Union, 175-185
 Warbler, Bachman's, 362
 Bay-breasted, 29
 Black-and-white, 31

- Blackburnian, 29
Black-throated Green, 21, 29
Canada, 24
Cape May, 29
Garden, 257
Kirtland's, 352
Myrtle, 499
Prothonotary, 21, 24
Yellow, 21
Warham, John, the Rockhopper Penguin,
 Eudyptes chrysocome, at Macquarie
 Island, 229-256
Water economy of birds, 504-539
Watson, George E., incomplete first pre-
 basic molt in the Chukar Partridge,
 80-81; a simultaneous nesting of the
 Robin and the Blue Jay in one tree,
 377-378; the mechanism of feather
 replacement during natural molt,
 486-495
Weight, of birds,
 Branta canadensis ssp., 366
 Chaetura vauxi, 82, 84
 Eudyptes chrysocome, 230, 237, 241
 Junco hyemalis, 321-333
 Larus minutus, 548
 Melospiza melodia, 321-333
 Passerella iliaca, 321-333
 Spizella arborea, 321-333
 Todus mexicanus, 551
 Zonotrichia albicollis, 321-333
Weka, 254
Weston, Henry G., Jr., dead fish as a
 source of food for various birds,
 550-551
Wetmore, Alexander, an early record of
 the Cattle Egret in Colombia, 547
Wheatear, 499
Whip-poor-will, Puerto Rican, 362
White, C. M. N., a check list of the Ethiopian Muscicapidae (*Sylviinae*), part I (rev.), 560-561; a revised check list of African broadbills, pittas, larks, swallows, wagtails and pipits (rev.), 560-561; a revised check list of African shrikes, orioles, drongos, starlings, crows, waxwings, cuckoo-shrikes, bulbuls, accentors, thrushes and babblers (rev.), 560-561; a check list of Ethiopian Muscicapidae (*Sylviinae*), parts II and III (rev.), 560-561
Whitehouse, Walter M., see Grimm, Robert J., and —
Wildenthal, Joyce L., review by, 93
Williams, Lovett E., Jr., obituary of
 Sterling Gene Clawson, 109
Williams, Lovett E., Jr., and Sterling
 G. Clawson, first specimens of ten
 species of birds for Mississippi, 199-
 201
Wilsonia canadensis, 24
 pusilla, 470
Wing-flashing, 372
Wisconsin, 145-155, 374
Woodcock, American, 85
Woodpecker, Downy, 24, 25, 31, 375, 500
 Hairy, 24, 375
 Ivory-billed, 361
 Ladder-backed, 535
 Pileated, 82, 375
 Red-bellied, 375
 Red-cockaded, 375
 Red-headed, 21
Wood Pewee, Eastern, 21, 156, 161
Woolfenden, Glen E., and Andrew J.
 Meyeriicks, Caspian Tern breeds in
 Florida, 365-366
Wren, Bewick's, 371
 House, 24, 25, 31, 453-461, 505, 509
 Rock, 515, 530, 535
Wright, Bruce S., an observation of tolerance of disturbance by a male American Woodcock on his singing ground, 85
Wynne-Edwards, V. C., animal dispersion in relation to social behavior (rev.), 208-209
Xanthocephalus xanthocephalus, 145-155, 549
Xema sabini, 4
Xiphorhynchus erythropygius, 469
 guttatus, 469
Yellowlegs, Greater, 550
Yellowthroat, 21, 22
Yocom, Charles F., Starlings above the Arctic Circle in Alaska, 1962, 544
Young, Howard, age-specific mortality in

- the eggs and nestlings of blackbirds, 145-155
- Zarhynchus wagleri*, 470
- Zenaidura macroura*, 153, 508, 511, 512, 519, 549, 550
- Zonotrichia*, 166
- albicollis*, 171, 320-333, 505, 511, 512
- atricapilla*, 511, 512, 519
- capensis*, 470
- leucophrys*, 508
- leucophrys gambelii*, 519
- Zosteropidae*, 515
- Zusi, Richard L., structural adaptions of the head and neck in the Black Skimmer, *Rynchops nigra* Linnaeus (rev.), 553; review by, 562-564

DATE OF ISSUE (Vol. 80, No. 4): OCTOBER 31, 1963.