

INDEX TO VOLUME 73

Compiled by L. R. Wolfe

- Acanthis flammea, 201, 558
Accipiter cooperii, 281
 striatus, 281
Aegolius funereus richardsoni, 560
Aëronautes, 12-15, 19, 20, 22-25
 andecolus, 13, 14, 15, 19, 20, 22,
 23, 25, 27
 montivagus, 19, 20, 27
 saxatilis, 13, 19, 20, 24, 27
Aëornis, 3, 4, 26
 senex, 3, 4
Agelaius humeralis, 284
 phoeniceus, 188, 255, 284, 413
 phoeniceus littoralis, 257
Aimophila aestivalis, 184
Aix sponsa, 284
Alaska, 560
Alauda arvensis, 554
Albatross, Steller's (Short-tailed), 122
Albinism, 137
Alcoholic specimens,
 preparation of, 452
Allee, Warder Clyde, obituary of, 312
Amadon, Dean, see Wetmore, Alexander, *et al.*
Amblyornis, 451
 flavifrons, 450
 inornatus, 450
 macgregoriae, 450
 subalaris, 450
Ammodramus bairdi, 275
 savannarum, 177, 275, 497
Ammospiza caudacuta, 276, 492
 maritima, 499
 maritima pelonota, 497
 maritima peninsulae, 500
 mirabilis, 489, 502
 nigrescens, 499, 500
Anas, 314, 350, 351
 acuta, 201, 394
 crecca, 456
 discors, 379
 formosa, 456
 fulvigula, 272, 273
 platyrhynchos, 272, 383, 456
Anatomy, 427-446
Anderson, Allen E., unusual behavior
of a Golden Eagle in southeastern New Mexico, 287
Anhinga anhinga, 260
Anser caerulescens, 193, 201
 fabalis serrirostris, 560
Anthus spinoletta rubescens, 201
A. O. U., Check-list Committee, thirty-first supplement to the American Ornithologists' Union Check-list of North American birds, 447-449
Committee on the Nomination of Members, 472
officers, trustees, and committees, 117
report of committees, 107-109
report of Committee on Bird Protection, 119-123
resolutions, 116
seventy-third stated meeting, 106-116
student membership awards for 1956, 311
Treasurer's report, fiscal year ending September 30, 1955, 124-126
Apodi, 1-32
Apodinae, 1, 12, 13, 14, 26
Apus, 1, 2, 5, 10, 12-20, 22-25, 27
 acuticaudus, 15
 aequatorialis, 13, 15, 16
 aequatorialis aequatorialis, 27
 aequatorialis bradfieldi, 15
 aequatorialis reichenowi, 15, 27
 affinis, 14-19, 22, 27
 alexandri, 15
 andecolus, 13-15, 19, 25
 apus, 7, 13, 15-18, 24, 448
 apus alexandri, 16, 26
 apus apus, 26
 apus balstoni, 15
 apus barbatus, 15
 apus mayottensis, 15
 apus niansae, 15
 apus pekinensis, 448
 apus unicolor, 15, 16, 26
 barbatus, 15, 16, 18
 barbatus balstoni, 15, 26
 barbatus barbatus, 26

- Apus barbatus bradfieldi*, 15, 26
barbatus mayottensis, 15, 26
barbatus sladeniae, 15, 26
batesi, 15
caffer, 14–18, 27
horus, 15, 16, 18
horus horus, 27
horus toulsoni, 15, 27
melba, 13, 15–20, 25, 27
myoptilus, 15
myoptilus batesi, 15, 16, 18, 27
myoptilus myoptilus, 27
myoptilus poensis, 15, 27
nakuruensis, 16, 18
pacificus, 15, 16, 18, 24, 25
pacificus acuticaudus, 15, 16, 27
pacificus pacificus, 27, 554
pallidus, 15–18
pallidus niensae, 15, 16, 26
pallidus pallidus, 26
reichenowi, 15
roehli, 16, 18
sladeniae, 15
toulsoni, 15
unicolor, 15
Aquila heliaca, 553
Archboldia, 451
Archilochus colubris, 127
Arctonetta, 448
Ardea cinerea, 456, 553
herodias, 71–77, 131, 260
herodias wardi, 72
occidentalis, 71–77
wardi, 74, 75
würdemanni, 73, 75
Arenaria interpres, 196, 201
Argentina, 473–488
Arkansas, 252–258
Armstrong, Edward A., the Wren (rev.), 458–461
Asio flammeus, 288
Aythya, 556
affinis, 383
americana, 379
collaris, 393
ferina, 456
fuligula, 384, 456
valisineria, 379
Baffin Island, 78–84
Bahamas, 558
Bailey, Alfred M., the Bean Goose and other birds from St. Lawrence Island, Alaska, 560
Bannerman, David Armitage, the birds of the British Isles (rev.), 299, 563
Barry, Thomas W., observations of a nesting colony of American Brant, 193–202
Bartlett, L. M., observations on birds "hawking" insects, 127
Bartramia longicauda, 135
Beck, Herbert H., status of the Upland Plover in Lancaster County, Pennsylvania, 135
Behavior, 128, 131, 134, 138, 195–197, 267, 268, 268–271, 276, 280, 287, 289, 313–353, 378–400, 411–426, 450, 456, 480–482, 484, 485, 558
Berger, Andrew J., two albinistic Alder Flycatchers at Ann Arbor, Michigan, 137; on the anatomy of the Red Bird of Paradise, with comparative remarks on the corvidae, 427–446; further notes on alcoholic specimens, 452
Berger, Daniel D., Marsh Hawk pursues domestic cat, 288
Bird of Paradise, 427, 441, 450
Lesser, 427
Red, 427–446
Blacicus blancoi, 280
Black, Hugh C., see Phillips, Richard E., and —
Blackbird, Brewer's, 130
Rusty, 127, 128
Bluebird, 181, 284
Bluechat, Siberian, 555
Blue-tail, Siberian, 554
Bobolink, 187
Bob-white, 136, 533
Bombycilla cedrorum, 127
Bombycillidae, 128
Bonasa umbellus, 33–41, 344
Bond, James, nesting of the Pygmy Palm-Swift, 457
Borrer, Donald J., variation in Carolina Wren songs, 211–229
Bower-bird, 450
Brambling, 555
Brant, American, 193–202, 272

- Branta bernicla hrota, 193–202, 272
canadensis, 79, 133
canadensis hutchinsi, 195, 201
- Brodkorb, Pierce, Pleistocene birds from Eichelberger cave in Florida, 136
- Bubo, 449
virginianus virginianus, 274
- Bubulcus ibis, 559
ibis coromandus, 259
ibis ibis 259–266
- Bucephala clangula, 273, 284
- Bullock, Dillman S., vultures as disseminators of anthrax, 283
- Bunting, Snow, 133, 201, 290
- Bush-Warbler, Short-tailed, 555
- Butastur indicus, 553
- Buteo harlani, 281
jamaicensis, 281, 457
lagopus, 457
platypterus, 281
swainsoni, 281–282
- Butorides virescens, 260
- Buzzard-eagle, Gray-faced, 553
- Cacicus cela, 364
- Cacique, Yellow-rumped, 364
- Calcarius lapponicus, 201
- Calidris canutus, 202
- Canada,
British Columbia, 130
Manitoba, 453
Northwest Territories, 193–202
Ontario, 559
- Caprimulgidae, 25
- Caprimulgus carolinensis, 290
vociferus, 189
- Cardinal, 187
- Carpodacus purpureus, 187
- Casmerodus albus, 260
- Catbird, 127
- Cathartes aura, 283
- Catharus, 313–353
fuscescens, 313, 315, 323, 324,
pl. 14
fuscescens fuscescens, 331–345
guttatus, 313, 315, 323, 324, 329
guttatus faxoni, 331–351
minimus, 313, 315, 321, 333
minimus bicknelli, 331–351
- Catharus ustulatus, 313, 315
ustulatus swainsoni, 331–351
- Central America, 517–528
- Centrocercus urophasianus, 540–550
- Cephus carbo, 553
- Cerorhinca monocerata, 554
- Chaetura, 2–9, 11, 12, 17, 18, 22–26
andrei, 9, 11, 12, 26
biscutata, 3, 4
böhmi, 9–12, 26
brachyura, 9, 11, 12, 26
cassini, 9–11, 26
caudacuta, 10, 12, 24, 25
caudacuta caudacuta, 26
caudacuta cochinchinensis, 26
chapmani, 9–11
cinereicauda, 10
cinereiventris, 9, 11, 12
cinereiventris cinereiventris, 26
cinereiventris martinica, 26
cochinchinensis, 10, 12
gaumeri, 9
gigantea, 10, 12, 26
grandidieri, 10, 11, 26
leucopygialis, 10, 26
martinica, 9–11
melanopygia, 10, 11, 26
novaeguineae, 9–11, 26
nubicola, 9
pelagica, 5, 9–11, 24, 230, 276–280
pelagica chapmani, 26
pelagica gaumeri, 26
pelagica pelagica, 24, 26
pelagica richmondi, 11, 12, 26
pelagica vauxi, 12, 24, 26
picina, 9–11, 26
rutila, 3
sabini, 10–12
sabini sabini, 26
sabini thomensis, 26
semicollaris, 3, 4
spinicauda, 9, 11, 26
sylvatica, 10–12, 26
thomensis, 10
ussheri, 10–12, 26
vauxi, 9–12
vauxi gaumeri, 9
vauxi richmondi, 9, 11, 12
zonaris, 3, 4
- Chaeturinae, 1, 3, 26

- Chaffinch, 326, 346
- Chapman, Frank M., Memorial Fund, 126
- Charadriiformes, 271
- Charadrius hiaticula, 202
 hiaticula hiaticula, 448
 hiaticula semipalmatus, 448
 semipalmatus, 448
- Chat, Mourning, 333
 Yellow-breasted, 185
- Chen caerulescens, 79
- Chickadee, 128
 Black-capped, 275, 560
 Brown-capped, 275
- Chloris chloris, 346
- Chlorostilbon maugaeus, 280
- Chondestes grammacus, 184, 558
- Chordeiles minor, 339
- Chrysotrogon, 357
- Chuck-will's Widow, 290
- Circus cyaneus, 288, 553
- Cistothorus platensis, 183
- Coereba bahamensis, 449
 bahamensis bahamensis, 449
 bahamensis sharpei, 449
 portoricensis portoricensis, 280
- Colaptes auratus, 136
- Colinus virginianus, 136, 533
- Collias, Elsie C., see Collias, Nicholas E., and —.
- Collias, Nicholas E., and Elsie C. Collias, some mechanisms of family integration in ducks, 378–400
- Colocalia, 3, 4, 7, 23–26
 brevirostris, 8
 esculenta, 8
 francica, 7, 8
 francica amechana, 8
 francica terrae-reginae, 8
 francica vestita, 8
 fuciphaga, 7, 8
 fuciphaga fuciphaga, 8
 fuciphaga innominata, 8
 inexpectata, 8
 inexpectata amechana, 8
 innominata, 8
 lowi robinsoni, 8
 lowi tichelmani, 8
 spodiopygia terrae-reginae, 8
 troglodytes, 8
- Colocalia unicolor, 8
 vestita, 7, 8
 whiteheadi, 8
- Colombia, 457, 517–528, 559
- Columba livia, 86–105, 232, 554
 migratoria, 449
- Columbina passerina trochila, 280
- Colymbus, 449
 griseogena, 560
- Condor, California, 122
- Contopus richardsonii, 448
 richardsonii peninsulae, 448
 richardsonii richardsonii, 448
 richardsonii saturatus, 448
 sordidulus, 448
 sordidulus peninsulae, 448
 sordidulus saturatus, 488
 sordidulus veliei, 448
 veliei, 448
 virens, 137
- Coragyps atratus, 283
- Cormorant, Brazilian, 482
 Common, 456
 Double-crested, 287
 Japanese, 553
 Temminck's, 553
- Corvidae, 128, 427, 441, 442, 444
- Corvus, 429, 442, 444
 brachyrhynchos, 275, 428, 430,
 442
 corax, 201, 275, 430
 corone, 430, 441
 frugilegus, 441
 levaillantii, 554
- Cowbird, 286, 413, 558
- Crane, Sandhill, 201, 260
 Whooping, 119, 122
- Crocethia alba, 201, 286
- Crow, 275
 American, 442
 Jungle, 554
 Thick-billed, 554
- Cuculus canoroïdes, 555
 canorus, 556
 canorus telephonus, 556
 horsfieldi, 556
 saturatus, 556
 saturatus saturatus, 556
 striatus, 556

- Curlew, Eskimo, 136
 Long-billed, 123
- Curucujus, 357
- Cyanocitta, 429
 cristata, 127, 128, 133, 230, 232,
 428, 430, 442
- Cyanocorax chrysops, 486
- Cygnus, 447
 columbianus, 201
 olor, 268, 447
 paloregonus, 447
- Cypseloides, 1, 3-7, 22-25
 biscutatus, 4-6, 26
 cherriei, 5, 6, 26
 cryptus, 5, 6, 26
 fumigatus, 4-6, 26
 niger, 4-6, 24, 26
 rutilus, 3-7, 9, 26
 semicollaris, 4-6, 25, 26
 senex, 4-7, 26
 zonaris, 4-7, 26
- Cypselus pekinensis, 448
- Cypsiurus, 3, 12-15, 18, 19, 23-25
 furcata, 18
 parvus, 2, 3, 13, 14, 18, 23, 27
- Deconychura longicauda, 517-528, pls.
 26, 27
 longicauda darienensis, 517, 521-
 524, 528
 longicauda minor, 517, 522, 524-528
 longicauda typica, 517, 522-528
- Delacour, Jean, see Gabrielson, Ira N.,
 et al.; review by, 141; the waterfowl
 of the world (rev.), 298; obituary by,
 582
- Delichon urbica, 17, 402
- Dendrocaptidae, 519
- Dendrocygna viduata, 447
- Dendroica discolor collinsi, 134, 139
 discolor discolor, 134
 discolor paludicola, 139
 virens, 185
- Dexter, Ralph W., ten-year life history
 of a banded Chimney Swift, 276-280
- Dichromanassa rufescens, 71
- Dickcissel, 66-70, 185, 290
- Diesselhorst, Gerd, titmice killing other
 birds, 558
- Dilger, William C., hostile behavior and
 reproductive isolating mechanisms in
 the avian genera *Catharus* and
 Hylocichla, 313-353
- Directional training, 203-210
- Disease, 129, 230-234, 283, 457, pls, 12,
 13
- Distribution, 66-70, 74, 78-84, 130, 134,
 138, 193-202, 259-266, 272-276, 285,
 287, 290, 291, 315, 355, 455, 457, 477,
 489-502, 517, 522, 526, 528, 551-555,
 558, 559, 560
- Dolichonyx oryzivorus, 187
- Dove, Mourning, 129, 232, 290
 Puerto Rican Ground, 280
 Turtle, 456
- Du Bois, A. D., a Cowbird incident, 286
- Duck, Baldpate, 287, 383, 393
 Black, 272, 273
 Canvasback, 379, 382-385, 391, 393,
 395-397
 Common Golden-eye, 273
 Golden-eye, 284
 Harlequin, 272
 Lesser Scaup, 383
 Mallard, 85, 272, 382-387, 390-397,
 456
 Masked, 291
 Pintail, 85, 201, 394-396
 Pochard, 456
 Redhead, 379, 383-398
 Ring-necked, 393, 394
 Ruddy, 291
 Shoveler, 456
 Tufted, 384, 456
 Wigeon, 456
 Wood, 284
- Dugand, Prof. Armando, *Bubulcus ibis*
 in the Cauca Valley, Colombia, 559
- Dumetella carolinensis, 127
- Eagle, Black-and-White Crested, 486,
 487
 Chinese Imperial, 553
 Golden, 287
- Ecology, 33-41, 73, 455
- Ectopistes migratorius, 133
- Edwards, Ernest P., and Frederick K.
 Hilton, *Streptoprocne semicollaris* in
 the lowlands of Sinaloa and Nayarit,
 138

- Egg, characteristics, 42–65, pls. 1, 2
 density, mass, volume, 48, 54
 measurements, 43–49, 54, 56, 58, 287
 weight, 46–48
- Egret, African Cattle, 259–266
 Cattle, 559
 Great White, 553
 Greater, 260
 Indian Cattle, 259
 Lesser, 264
 Little, 264, 447, 457
 Plumed, 456
 Reddish, 71
 Snowy, 260, 261, 264, 456
- Egretta, 447, 449
 alba, 553
 garzetta, 264, 456
 garzetta garzetta, 447, 457
 intermedia, 456
 sacra, 71
- Eider, American, 202
 Common, 78
 King, 195, 201
- Eisenmann, Eugene, the species of Middle American birds (rev.), 299
- Elbert, Lucien H., see Geis, Aelred D., and —.
- Emberizinae, 184
- Emlen, John T., review by, 297
- Empidonax minimus, 188
 traillii, 137
- Epimachus, 427
- Eremophila alpestris, 201
- Ereunetes pusillus, 202
- Erolia alpina, 201
 bairdii, 202
 fuscicollis, 202
- Eudocimus albus, 260
- Euphagus carolinus, 127
- Falco peregrinus, 201, 273, 553
 peregrinus anatum, 560
 rusticolus, 272
 rusticolus gyrfalco, 273
 sparverius, 281
 tinnunculus, 553
- Falcon, Peregrine, 273, 456
 Siberian Peregrine, 553
- Feathers, growth of, 560
- Finch, Green, 290
- Finch, Purple, 130, 187
 Spice, 343
 Zebra, 343
- Fisher, Harvey I., the landing forces of Domestic Pigeons, 85–105
- Fisher, James, bird recognition, III (rev.) 563
- Flicker, Yellow-shafted, 136
- Flight, 80, 482
 height of, 556
- Florida, 134, 136, 259–266, 291, 489–502
- Florida caerulea, 71, 254, 260
- Food, 37–40, 80, 127, 130, 252–258, 274, 285, 286, 288, 289, 355, 451, 483, 557, 558
- Fox, Robert P., large Swainson's Hawk flight in south Texas, 281–282
- Friedmann, Herbert, the honey-guides (rev.), 561–563; see Wetmore, Alexander, et al.
- Fringilla coelebs, 326, 346
 montifringilla, 555
- Fringillidae, 233
- Fulmar, 264
- Fulmarus glacialis, 264
- Flycatcher, Alder, 137
 Japanese Blue, 555
 Japanese Robin, 555
 Least, 188
 Narcissus, 555
- Gabrielsson, Ira N., in memoriam; Stanley Gordon Jewett, 513–516
- Gabrielsson, Ira N., Jean Delacour, Ludlow Griscom, Hoyes Lloyd, and Roger Tory Peterson, report of the Committee on Bird Protection, 119–123
- Gallinago, 449
- Garrulus glandarius, 430
- Gavia, 449
 arctica, 78, 80–83
 arctica pacifica, 82
 immer, 78–81, 235–251
 stellata, 78, 81–83, 201
 viridigularis, 560
- Gebhardt, Ludwig, and Werner Sunkel, die Vögel Hessens (rev.), 461
- Geis, Aelred D., and Lucien H. Elbert, relation of the tail length of cock

- Ring-necked Pheasants to harem size, 289
- Genelly, Richard E., and Robert L. Rudd, effects of DDT, toxaphene, and dieldrin on pheasant reproduction, 529-539
- Gilliard, E. Thomas, bower ornamentation versus plumage characters in bower-birds, 450
- Glareola maldivarum, 268-271
 pratincola maldivarum, 268
 pratincola pratincola, 271
- Glareolidae, 271
- Godfrey, W. Earl, the Little Egret, a new bird for North America, 457
- Goldfinch, 187
 European, 187
- Goose, Bean, 560
 Blue, 75, 79, 193, 195-197, 200, 201
 Canada, 79
 Hutchin's, 195, 201
 Lesser Snow, 193, 195-198, 200, 201
 Snow, 75
- Grackle, Bronzed, 127
 Common, 290
 Purple, 413
- Grebe, Chinese Little, 552
 Pied-billed, 134
 Red-necked, 560
- Greenfinch, 346
- Griscom, Ludlow, review by, 292-293;
 see Gabrielson, Ira N., *et al.*
- Grosbeak, Black-headed, 187
 Evening, 69
 Holarctic Pine, 187
 Rose-breasted, 187
- Gross, Alfred O., the recent reappearance of the Dickcissel (*Spiza americana*) in eastern North America, 66-70
- Grouse, Ruffed, 33-41, 344
 Sage, 540-550
 Sharp-tailed, 542, 546, 547, 549
- Grus canadensis, 201, 260
- Guillemot, Sooty, 553
- Gull, American Herring, 273, 274
 Black-tailed, 448, 553
 California, 453
 Franklin's 271, 274
 Glaucous, 202, 273, 274
 Gull, Great Black-backed, 265, 274, 559
 Greenland Herring, 273
 Herring, 83, 196, 198, 201, 453, 559
 Iceland, 202, 273
 Ivory, 560
 Laughing, 42, 44, 45, 131, 232, 271, 274
 Ring-billed, 273, 274, 453, 559
 Sabine's, 195, 196, 201
 Thayer's Herring, 273
- Gunter, Gordon, duck blinds as nesting sites for Great Blue Herons on the South Texas coast, 131; on the reluctance of gulls to fly under objects, 131
- Gyrfalcon, 272, 273
- Hamerstrom, Frances, see Kendeigh, S. Charles, Theodore C. Kramer, and —
- Hames, Frances, Masked Duck in Florida, 291
- Harrier, Hen, 553
- Hartshorne, Charles, the monotony-threshold in singing birds, 176-192
- Hawk, Broad-winged, 281, 282
 Cooper's 281
 Duck, 201, 560
 Harlan's 281
 Marsh, 281, 288
 Red-tailed, 281, 457
 Rough-legged, 457
 Sharp-shinned, 281
 Sparrow, 281
 Swainson's, 281, 282
- Hemiprocnidae, 3, 19, 23, 24, 25
 comata, 2, 26
 longipennis, 2, 26
 mystacea, 2, 25, 26
- Hemiprocnidae, 1, 2, 5, 26
- Henry, G. M., a guide to the birds of Ceylon (rev.), 140
- Heron, Black-crowned Night, 260, 456
 Gray, 456, 553
 Great Blue, 71-74, 76, 131, 260, 559
 Great White, 71-77
 Green, 260
 Little Blue, 71, 254, 260, 261
 Reef, 71
 Tricolored, 260, 261
 Ward's, 72, 73

- Heron, Würdemann's, 73, 74, 76
 Yellow-crowned Night, 260
- Hilton, Frederick K., see Edwards, Ernest P., and —.
- Hirund-apus, 3, 10-12, 25
 caudacuta, 10
 cochinchinensis, 10
 gigantea, 10
- Hirundinidae, 23, 25, 128
- Hirundo Apus, 448
 rustica, 17, 554
- Histrionicus histrionicus, 272
- Holgersen, Holger, obituary by, 582
- Honey Creeper, Puerto Rican, 280
- Hoopoe, Tibetan, 554
- Howell, Thomas R., variation in *Deconychura longicauda* in Central America and Colombia, 517-528
- Huia, 441
- Hummingbird, 2
 Puerto Rican Emerald, 280
 Ruby-throated, 127
- Huxley, Julian, additions to obituary, George Finlay Simmons, 152
- Hydranassa tricolor, 260
- Hydroprogne caspia, 132
- Hylocichla, 177, 313-353, 503-512
 fuscescens, 180, 505
 guttata, 181, 506
 minima, 508
 mustelina, 127, 313, 320, 325, 326, 333, 336, 337, 339, 341, 343-351, 503-505
 ustulata, 507
- Ibis, Eastern Glossy, 260
 White, 260
- Icteria virens, 185
- Icteridae, 128, 187
- Icterus, 188
 pectoralis pectoralis, 449
- Incubation, 358-361
- Insecticide, effects of, 529-539
- International Commission on Zoological Nomenclature, decisions, 449
- Iridoprocne bicolor, 284
- Ixoreus naevius, 181
- Jacana spinosa, 291
- Jaeger, Long-tailed, 201
- Jaeger, Parasitic, 196, 201
 Pomarine, 201
- Jay, Blue, 127, 128, 133, 230, 232, 233, 442
 Common Urraca, 486
- Jewett, Stanley Gordon, obituary of, 513-516, pl. 25
- Johnston, David W., a preliminary study of subspecies of Savannah Sparrows at the Savannah River Plant, South Carolina, 454-456
- Jopson, Harry G. M., breeding of the American Merganser in the Shenandoah valley of Virginia, 285
- Judd, W. W., Red-headed Woodpeckers, (*Melanerpes erythrocephalus*) feeding on Carolina Locusts, 285
- Jumber, Joseph F., roosting behavior of the Starling in central Pennsylvania, 411-426
- Junco, Slate-colored, 230-234, 267, 275
- Junco hyemalis, 230-234, 267, 275
- Junge, G. C. A., on *Cuculus canoroïdes* S. Müller, 555
- Kendeigh, S. Charles, Theodore C. Kramer, and Frances Hamerstrom, variations in egg characteristics of the House Wren, 42-65; pl. 1 and 2
- Kennard, W. C., see Spencer, J. L., and —.
- Kestrel, 553
- Kilham, Lawrence, notes on courtship behavior of wild and tame Blue Jays, 128; winter feeding on sap by sap-sucker, 451
- Kingbird, 137
 Eastern, 443
- Kinglet, 128
 Golden-crowned, 555
 Ruby-crowned, 183
- Kite, Everglade, 122
- Knot, 202
- Korea, 551-555
- Kossack, Charles W., an egg-bound Mourning Dove, 129
- Kramer, Theodore C., see Kendeigh, S. Charles, —, and Frances Hamerstrom
- Krug, Howard H., Great Black-backed

- Gulls nesting on Little Haystack Island, Lake Huron, 559
- Lack, David, a review of the genera and nesting habits of swifts, 1-32
- Lamm, Donald W., Mourning Dove Dickcissel on the Atlantic Ocean, 290
- Lampronetta, 448
- Landing force, 85-105
- Lanius bucephalus, 456
 collurio, 203
- Laridae, 271
- Lark, Horned, 201
- Larus argentatus, 83, 196, 201, 453
 argentatus leucopterus, 273
 argentatus smithsonianus, 273
 argentatus thayeri, 273, 274
 atricilla, 42, 131, 232, 274
 californicus, 453
 crassirostris, 448, 553
 delawarensis, 273, 453
 hyperboreus, 202, 273
 leucopterus, 202
 marinus, 265, 274, 559
 pipixcan, 274
- Larvivora cyane, 555
 sibilans, 555
- Laughlin, Robert M., unusual behavior of a Pied-billed Grebe (*Podilymbus podiceps*), 134
- Lawrence, Louise de Kiriline, an interesting displacement movement in a Slate-colored Junco, 267; the following reaction in a brood of Mute Swans, 268; review by, 294
- Leucophoyx thula, 260
- Life history, 276-280
- Limosa Islandica, 448
 limosa islandica, 448
 limosa limosa, 448
- Lincoln, Frederick C., see Wetmore, Alexander, *et al.*
- Lloyd, Hoyes, see Gabrielson, Ira N., *et al.*
- Loetscher, Frederick W., Jr., Masked Duck and Jacana at Brownsville, Texas, 291
- Lonchura ferruginea, 343
 punctulata, 343
- Longspur, Lapland, 201
- Loon, Common, 78-80, 235-251
 Black-throated, 78, 80-82
 Green-throated, 560
 Red-throated, 78, 82, 83, 201
- Lord, Rexford D., an anomalous condition in the eye of some hawks, 457
- Lowery, George H., Jr., see Wetmore, Alexander, *et al.*
- Luscinia svecica svecica, 449
 svecica awatcha, 449
- Mackworth-Praed, C. W., and Capt. C. H. B. Grant, birds of eastern and north eastern Africa (rev.), 297
- Magpie, Korean, 554
- Manucodia, 427
 ater, 427
- Mareca americana, 287, 383
 penelope, 456
- Martin, Frank R., Baldpate (*Mareca americana*) nesting in Minnesota, 287
- Martin, House, 17, 402
 Purple, 284
- Maryland, 128, 451
- Mayfield, Harold, the seventy-third stated meeting of the American Ornithologists' Union, 106-116
- Mayr, Ernst, is the Great White Heron a good species? 71-77; review by 461
- McAtee, W. L., a bibliographical bonanza, 133; in memoriam; Theodore Sherman Palmer, 367-377
- McClure, H. Elliott, waterfowl reaction to an earthquake, 456
- Meadowlark, Eastern, 137, 177, 187, 289
 Western, 187, 203-210
- Meanley, Brooke, food habits of the King Rail in the Arkansas rice fields, 252-258
- Mearnsia, 3, 9, 22
 böhmi, 9
 cassini, 9
 novaeguineae, 9
 picina, 9
- Measurements,
 eggs, 43-49, 54, 56, 58, 287
 birds, 79, 82, 83
 ovary, 139
 testes, 80
- Melanerpes erythrocephalus, 285

- Melospiza georgiana, 275, 495
 melodia, 42, 184, 232, 275, 344
- Memorial Fund, the Frank M. Chapman, 126
- Merganser, American, 285
 Brazilian, 473-488, pls. 16-20
 Red-breasted, 553
- Mergus merganser, 285
 octosetaceus, 473-488
 serrator, 553
- Mesophoyx intermedia, 264
- Mexico, Nayarit, 138
 Sinaloa, 138
- Michigan, 137
- Micropanyptila, 12, 13, 25, 27
 furcata, 13, 18, 21, 457
- Migration, 68, 69, 153-175, 194, 201, 235-251, 281
- Miller, Alden H., review by, 561-563; see Wetmore, Alexander, *et al.*
- Mimidae, 180
- Miminae, 128
- Minnesota, 287
- Molothrus ater, 286, 413
- Monticola solitarius magnus, 554
- Moore, Tilford, cowbird parasitism on Brown Thrasher, 558
- Motacilla alba lugens, 555
 svecica, 449
- Moynihan, M., behavior of a Pratincole, 268-271; California Gulls and Herring Gulls breeding in the same colony, 453
- Munro, J. A., Starling at Vanderhoof, British Columbia, 130
- Murre, Bering Island, 553
- Murrelet, Ancient, 554
- Muscicapula cyanomelana cyanomelana, 555
 narcissina, 555
- Myadestes townsendi, 181
- Mycteria americana, 260
- Neff, Don J., birds of Yang-Do, Korea, 551-555
- Nephocetes, 3, 5, 26
 niger, 3
- Nero, Robert W., Red-wing nesting in bird house, 284
- Nesting, 1-32, 131, 193-202, 284, 287, 356-360, 457
- New Mexico, 287
- Nichols, David, review by, 295
- Nighthawk, 339
- Nolan, Val, Jr., spittle insects as food of Prairie Warblers, 557
- Norris, Robert A., review by, 458-461
- Numenius borealis, 136
- Nun, Black-headed, 343
- Nuthatch, White-breasted, 188
- Nyctanassa violacea, 260
- Nyctea scandiaca, 274
- Nycticorax nycticorax, 260, 456
- Obituaries of: Warder Clyde Allee, 312; Robert Poncy, 582; Charles James Rhoads, 312; Hans Thomas Lange Schaanning, 582; George Finlay Simmons, 152
- Oenanthe lugens, 333
- Ohio, 272-276
- Oliver, W. R. B., New Zealand birds (rev.) 563
- Oriole, Spotted-breasted, 449
- Oscines, 128, 428
- Oscinine, 177
- Otterlind, Gunnar, migration and distribution. A study of the recent immigration and dispersal of the Scandinavian avifauna (flyttnings och utbredning) (rev.), 294
- Otus asio, 232
- Ouzel, Pale, 554
- Ovenbird, 179, 180, 188
- Owl, Barred, 136
 Great Gray, 274
 Great Horned, 274, 453
 Northern Barred, 274
 Richardson's, 560
 Screech, 232
 Short-eared, 288
 Snowy, 274, 472
- Oxyura dominica, 291
 jamaicensis, 291
- Pagophila eburnea, 560
- Paleontology, 136
- Palmer, Theodore Sherman, obituary of, 367-377, pl. 15
- Palm-Swift, Pygmy, 457
- Panyptila, 12-15, 20-25

- Panyptila cayennensis, 20, 21, 27
 sancti-hieronymi, 20, 21, 27
- Paradisaea, 429
 apoda, 427
 minor, 427-429
 papuana, 427
 rubra, 427-446
- Paradisaeidae, 427, 441, 442, 444
- Paradisaeinae, 441
- Parasitism, 286, 558
- Parmelee, David F., see Sutton, George M., and —.
- Partridge, Chukar, 548
 Hungarian, 548
- Partridge, William H., notes on the Brazilian Merganser in Argentina, 473-488
- Parulidae, 184
- Parus atricapillus, 275, 560
 bicolor, 289, 558
 hudsonicus hudsonicus, 275
 major, 326, 333, 554, 558
- Passer domesticus, 63, 127, 232, 284, 290
 montanus, 456
 montanus dybowskii, 555
- Passerculus sandwichensis, 275, 454-456, 492
 sandwichensis labradorius, 455
 sandwichensis mediogriseus, 455, 456
 sandwichensis nevadensis, 455, 456
 sandwichensis oblitus, 455, 456
 sandwichensis savanna, 455
- Passerella iliaca, 232, 275
- Passerherbulus caudacutus, 276
 henslowi, 275
- Pedioecetes phasianellus, 542
- Pelican, White, 454
- Pell, Walden, II, Robin (*Turdus migratorius*) feeding on ocean beach, 286
- Pennsylvania, 135, 235-251, 411-426
- Peterson, Roger Tory, see Garbielson, Ira N., *et al.*
- Pewee, Eastern Wood, 189
 Puerto Rican, 280
 Western Wood, 448
 Wood, 137, 179
- Phalacrocorax brasiliensis, 482
 capillatus, 553
 carbo, 456
- Phalacrocorax carbo hanedae, 553
- Phalarope, Red, 201
- Phalaropus fulicarius, 201
- Pharomachrus mocinno, 355
- Phasianus colchicus, 273, 414, 529-539
- Pheasant, Ring-necked, 273, 289, 414, 529-539
- Pheucticus ludovicianus, 187
 melanocephalus, 187
- Phillips, Richard E., and Hugh C. Black, a winter population study of the Western Winter Wren, 401-410
- Philohela minor, 136
- Phoebe, 137
 Eastern, 188
- Phonygammus keraudrenii gouldii, 427
- Phylloscopus trochilus, 178, 325, 346
- Pica pica, 430, 554
- Picathartes, 441
- Pigeon, Blue Hill, 554
 Domestic, 85-105
 Homing, 203
 Passenger, 133, 449
- Pinicola enucleator, 187
- Pipit, American, 201
- Piranga olivacea, 339
- Pitelka, Frank A., see Wetmore, Alexander, *et al.*
- Plectrophenax nivalis, 133, 201
- Plegadis chihi, 447
 falcinellus, 260
 mexicana, 447
- Ploceidae, 128
- Plover, Black-bellied, 201
 Golden, 202
 Semipalmated, 202
 Upland, 135
- Pluvialis dominica, 202
- Podiceps, 449
 ruficollis poggei, 552
- Podilymbus podiceps, 134
- Poephila guttata, 343
- Poncy, Robert, obituary of, 582
- Pooecetes gramineus, 177
- Poole, Earl L., review by, 297
- Porzana carolina, 253
- Prairie Chicken, Attwater's, 123
- Pratincole, Common, 271
 Oriental, 268-271
- Predation, 196, 198, 200, 290, 558

- Preservation of nests, 280
- Preston, F. W., the migrant loons of western Pennsylvania, 235-251
- Prestwich, Arthur A., records of birds of prey bred in captivity (rev.), 141
- Progne cryptoleuca*, 448
 subis, 284
 subis cryptoleuca, 448
- Protonotaria citrea*, 176
- Psarocolius pectoralis*, 449
- Ptilonorhynchidae*, 441
- Puffin, Hornbilled, 554
- Puffinus leucomelas*, 552
 tenuirostris, 560
- Quetzal, 355, 360, 361
- Quiscalus quiscula*, 127, 290, 413
- Rail, Clapper, 255
 King, 252-258
 Virginia, 253, 290
 Water, 290
- Rallus aquaticus*, 290
 elegans, 252-258
 limicola, 253, 290
 longirostris, 255
- Rand, A. L., first revisor of the Eastern Sapsucker, 139
- Raven, 201
 Common, 275
- Raynor, Gilbert S., meteorological variables and the northward movement of nocturnal land bird migrants, 153-175
- Redpoll, 201, 558
- Redstart, American, 185
- Red-wing, 130, 188, 255, 284, 413
 Gulf Coast, 257
- Regulus calendula*, 183
 regulus japonensis, 555
- Reinarda, 12, 13, 25, 27
 squamata, 13, 18, 21
- Rhoads, Charles James, obituary of, 312
- Rice, Dale W., dynamics of range expansion of Cattle Egrets in Florida, 259-266
- Richmondena cardinalis*, 187
- Riggs, Carl D., height of a flock of migrating ducks, 556
- Riparia riparia*, 16
- Ripley, S. Dillon, review by, 140
- Robin, 127, 181, 286, 414
 American, 329
 Swinhoe's Red-tailed, 555
- Rowan, Wm., weight of Snowy Owl, 472
- Rudd, Robert L., see Genelly, Richard E., and —.
- Russak, Maurice L., Tree Sparrow (*Spizella arborea*) feeding on the common reed, 288
- Sage Hen, 540-550
- Sanderling, 201, 286
- Sandpiper, Baird's, 202
 Buff-breasted, 273
 Red-backed, 201
 Semipalmated, 202
 White-rumped, 202
- Sapsucker, Appalachian, 139
 Eastern, 139
 Yellow-bellied, 451
- Saunders, Aretas A., the growth of a Chickadee's tail feathers, 560
- Sayornis phoebe, 137, 188
- Schaanning, Hans Thomas Lange, obituary of, 582
- Schorger, A. W., some early drawings of Canadian birds, 132; the Passenger Pigeon, its natural history and extinction (rev.), 292-293; obituaries by, 312
- Scolopax rusticola*, 553
- Seiurus aurocapillus*, 179
- Seleucides*, 429
 ignotus, 427
 melanoleucus, 427
- Setophaga ruticilla*, 185
- Shearwater, Slender-billed, 560
 Streaked, 552
- Shrike, Bull-headed, 456
 Red-backed, 203
- Sialia sialis*, 181, 343
- Sibley, Charles G., Treasurer's report, fiscal year ending September 30, 1955, 124-126
- Simmons, George Finlay, additions to obituary, 152
- Siphia mugimaki*, 555

- Siskin, 558
Sitta carolinensis, 188
Skutch, Alexander F., a nesting of the Collared Trogon, 354-366
Skylark, 554
Solitaire, Townsend's, 181
Somateria mollissima, 78, 202
 spectabilis, 195, 201
Sora, 253
South Carolina, 454-456
Sparrow, American, 133
 Bachman's, 184
 Baird's, 275
 Brewer's, 184
 Cape Sable Seaside, 489-502
 Chipping, 188, 230, 233, 275
 Clay-colored, 130
 English, 68, 127, 290
 Field, 177, 275
 Fox, 232, 233, 275
 Grasshopper, 177, 275, 497
 Henslow's, 275
 House, 63, 232, 284
 Lark, 184, 558
 Leconte's, 276
 Savannah, 275, 454-456, 492, 495
 Saw Grass, 499
 Scott's Seaside, 500
 Sharp-tailed, 276, 492, 495
 Smyrna Seaside, 497
 Song, 42, 54, 56, 57, 58, 184, 232,
 233, 267, 275, 344
 Swamp, 130, 275, 495, 497
 Tree, 232, 233, 288, 456
 Ussurian Tree, 555
 Vesper, 177, 181, 189
 White-throated, 130, 232, 233
Spatula clypeata, 456
Spencer, J. L., and W. C. Kennard,
 preservation of birds' nests with
 plastic spray, 280
Sphyrapicus varius, 451
 variusr atrothorax, 139
 variusr varius, 139
Spinus spinus, 558
 tristis, 187
Spiza americana, 66-70, 185, 290
Spizastur melanoleucus, 486, 487
Spizella arborea, 232, 288
Spizella breweri, 184
 passerina, 188, 230, 275
 passerina boreophila, 449
 pusilla, 177, 275
Sprunt, Alexander, Jr., North American
 birds of prey (rev.), 297
Squatarola squatarola, 201
Starling, 127, 130
 Ashy, 456
 European, 203, 204, 208, 411-426
Stein, Robert Carrington, a comparative
 study of "advertising song" in the
 hylocichla thrushes, 503-512
Stercorarius longicaudus, 201
 parasiticus, 196, 201
 pomarinus, 201
Sterna paradisaea, 195, 202
Stevenson, Henry M., probable breeding
 of the northern Prairie Warbler
 (*Dendroica discolor discolor*) in
 Florida, 134
Stewart, Robert E., ecological study of
 Ruffed Grouse broods in Virginia,
 33-41
Sthenelides, 447
Stimson, Louis A., the Cape Sable Sea-
 side Sparrow: its former and present
 distribution, 489-502
Storer, Robert W., reviews by, 298, 299,
 461, 563
Stork, Wood, 260
Streptopelia orientalis, 456
Streptoprocne, 3-6, 25, 26
 biscutata, 3, 4
 semicollaris, 3, 4, 138
 zonaris, 3, 4, 139
Strix nebulosa nebulosa, 274
 varia, 136
 varia varia, 274
Sturnella magna, 137, 177, 187, 289
 neglecta, 187, 203-210
Sturnidae, 128
Sturnus cineraceus, 456
 vulgaris, 127, 130, 203, 411-426
Sunkel, Werner, see Gebhardt, Ludwig,
 and —.
Sutton, George M., and David F.
 Parmelee, on the Loons of Baffin
 Island, 78-84

- Swallow, 17
 Bank, 16, 17
 House, 554
 Tree, 284
- Swallow-Tanager, 127
- Swan, Mute, 268
 Trumpeter, 122
 Whistling, 201
- Swift, 1-32
 American Palm, 27
 Black, 26
 Chimney, 230, 276-280
 Common, 448
 Large White-rumped, 554
 New World Palm, 21
 Old World Palm, 18, 27
 Palm, 14
 Scissor-tailed, 20, 27
 Spine-tailed, 9, 26
 White-throated, 19, 27
- Swiftlet, Brown-rumped, 8
 Cave, 26
 Gray-rumped, 8
 Himalayan Plain-rumped, 8
 Hume's, 8
 Pale-rumped, 8
 Plain-rumped, 8
 Pygmy, 8
 Robinson's, 8
 White-breasted, 7
- Sylvia nisoria, 203
- Sylviidae, 128
- Synthliboramphus antiquus, 554
- Tachornis, 12-15, 18-21, 23-25, 457
 furcata, 21, 22, 27
 phoenicobia, 13, 14, 18, 19, 21, 22,
 27
 squamata, 19, 21, 22, 27
- Tanager, Golden-masked, 364
 Scarlet, 339
- Tangara nigro-cincta, 364
- Tarsiger cyanurus cyanurus, 554
- Tashian, Richard E., Lark Sparrow
 (*Chondestes grammacus*) on Bimini,
 Bahamas, B. W. I., 558
- Taxonomy, 1-32, 71-76, 139, 313-353,
 441, 447-449, 519-528, 555
- Teal, 456
 Blue-winged, 379, 381, 383, 393
- Teal, Spectacled, 456
- Telmatodytes palustris, 183
- Tern, Arctic, 195, 196, 202
 Caspian, 131
 Royal, 131
 Sandwich, 271
- Terres, John K., Eastern Meadowlark
 (*Sturnella magna*) eating a traffic-
 killed bird, 289
- Tersina viridis, 127
- Texas, 131, 281-282, 291
- Thalasseus maximus, 131
- Thrasher, Brown, 177, 178, 179, 558
- Thrush, Bicknell's Gray-cheeked, 331-
 351
 Eastern Hermit, 331-351
 Eastern Olive-backed, 331-351
 European Song, 178
 Gray-backed, 554
 Gray-cheeked, 313, 508-511, pls.
 22, 24
 Gray-headed, 554
 Hermit, 181, 313, 329, 506-511,
 pl. 23
 Large Red-bellied Rock, 554
 Olive-backed, 313, 329, 506-511
 Varied, 181
 Wood, 127, 313, 318, 326-331, 335
- Thryomanes bewickii, 184
- Thryothorus ludovicianus, 211-229
- Tit, European Great, 558
 Great, 326, 333, 554
- Titmouse, Tufted, 289, 558
- Toxostoma rufum, 177
- Trautman, Milton B., unusual bird
 records for Ohio, 272-276
- Tripsurus chrysachen, 364
- Trochili, 2
- Troglodytes aëdon, 42-65, 183, 284
 troglodytes alascensis, 401
 troglodytes hirtensis, 401
 troglodytes pacificus, 401-410
- Trogon, Black-throated, 355-357, 360
 Citreoline, 357, 358, 360, 364
 Collared, 354-366
 Jalapa, 365
 Massena, 357, 360
 Mexican, 355, 357, 360
 Violaceous, 357
 White-tailed, 357, 358, 360

- Trogon citreolus, 357
 collaris, 354
 collaris puella, 354–366
 massena, 357
 mexicanus, 355
 rufus, 355
 violaceus, 357
 viridis, 357
- Trogonurus, 357
- Tryngites subruficollis, 273
- Turdidae, 180
- Turdus ericetorum, 178
 hortulorum, 554
 migratorius, 127, 181, 286, 329, 344,
 414
 obscurus obscurus, 554
 pallidus, 554
- Turnstone, Ruddy, 196, 201
- Tyrannidae, 137
- Tyrannula richardsonii, 448
- Tyrannus tyrannus, 137, 443
- Upupa epops saturata, 554
- Uranornis rubra, 427–446
- Uria aalge, 553
- Urosphena squameiceps ussuriana, 555
- U. S. Dept. Agric., Water—Yearbook
 of Agric., 1955 (rev.), 461
- Van Tyne, Josselyn, the scientific name
 of the Florida Prairie Warbler, 139;
 see Wetmore, Alexander, *et al.*
- Veery, 180, 313, 331–345, 505, 508, 510,
 511, pls. 14, 22
- Vireo, 128
 Bell's, 182
 Black-capped, 182
 Blue-headed, 182
 Hutton's, 182
 Red-eyed, 182, 336
 Warbling, 182
 White-eyed, 182
 Yellow-green, 364
 Yellow-throated, 182
- Vireo atricapillus, 182
 bellii, 182
 flavifrons, 182
 flavoviridis, 364
 gilvus, 182
 griseus, 182
- Vireo huttoni, 182
 huttoni caroliniae, 449
 huttoni stephensi, 182
 olivaceus, 182, 336
 solitarius, 182
- Vireonidae, 180
- Virginia, 33–41, 285
- Voice, 81, 83, 176–192, 211–229, 268,
 269, 285, 318, 326–328, 331, 337–340,
 349, 350, 355, 356, 380, 381, 383, 409,
 483, 503–512, pls. 3–11, 21–24
- Von Saint-Paul, Ursula, compass direc-
 tional training of Western Meadow-
 larks (*Sturnella neglecta*), 203–210
- Vorob'ev, K. A., birds of the Ussuri
 region (rev.), 295
- Vulture, Black, 283
 Turkey, 283
- Wagtail, Pied, 555
- Warbler, Barred, 203
 Black-throated Green, 185
 Canada, 186
 European Willow, 178
 Florida Prairie, 139
 Northern Prairie, 134, 557
 Prairie, 139
 Prothonotary, 176
 Willow, 325, 346
 Wood, 128
- Washington, (state), 401–410, 540–550
- Water Turkey, 260
- Waxwing, Cedar, 127, 339
- Weight,
 of birds, 63, 102, 129, 137, 138, 272–
 275, 472
 of eggs, 46–48
- Wetmore, Alexander, *et al.*, thirty-first
 supplement to the American Orni-
 thologists' Union check-list of North
 American birds, 447–449
- Whip-poor-will, 189
- Wilsonia canadensis, 186
- Woodcock, 553
 American, 136
- Woodcreeper, Long-tailed, 517–528
- Woodpecker, Golden-naped, 364
 Ivory-billed, 122
 Red-headed, 285

- Worth, C. Brooke, a pox virus of the
Slate-colored Junco, 230-234
- Wren, Alaska, 401
Bewick's, 184
Carolina, 211-229
- House, 42-65, 183, 284, pls. 1, 2
Long-billed, Marsh, 183, 184
Short-billed Marsh, 183
- St. Kilda, 401
Western Winter, 401-410
- Xema sabini, 195, 201
- Yocom, Charles F., the Sage Hen in
Washington State, 540-550
- Zenaidura macroura, 129, 232, 290, 414
- Zimmer, John T., see Wetmore, Alex-
ander, *et al.*
- Zonotrichia albicollis, 232
- Zoonavena, 3, 9