

INDEX TO VOLUME 97, 1985

BY KATHY G. BEAL

This index includes references to genera, species, authors, and key words or terms. In addition to avian species, references are made to the scientific names of all vertebrates mentioned within the volume and other taxa mentioned prominently in the text. Common names are as they appear in the volume unless otherwise specified. Reference is made to books reviewed, and announcements as they appear in the volume.

- Accipiter cooperii*, 113–115
 striatus, 109–113, 230
Acrididae, 228
Acrocephalus schoenobaenus, 102, 104
Actitis macularia, 120–122, 496
Adams, Lowell W., Louise E. Dove, and Thomas M. Franklin, Use of urban stormwater control impoundments by wetland birds, 120–122
Aechmophorus occidentalis, 122–123, 447
Aegolius acadicus, 319–331
Agelaius phoeniceus, 47, 120–122, 148, 175–179, 229
aggregation
 of *Calonectris diomedea*, 191–200
Aimophila quinquestriata, 102–106
Ainley, David G., Edmund F. O'Connor, and Robert J. Boekelheide, The marine ecology of birds in the Ross Sea, Antarctica, reviewed, 134–135
Aix sponsa, 388, 465
albinism, see leucism
Aldrich, John W., Ecogeographical variation in size and proportions of Song Sparrows (*Melospiza melodia*), reviewed, 586–588
Ali, Salim and S. Dillon Ripley, Handbook of the birds of India and Pakistan, Vol. 4, reviewed, 404
Alvo, Robert, Determining whether Common Loon eggs have hatched, 242–243
Amazilia tobaci, 364, 550
Amazona amazonica, 364
Ammodramus savannarum, 163
Amphispiza belli, 511–516
 bilineata, 511–516
Anas acuta, 388, 465, 542
 affinis, 465–472
 americana, 463–472
 clypeata, 465–472, 541–543
 crecca, 465–472, 541–543
 discors, 465–472, 473–485
 penelope, 542
 platyrhynchos, 120, 219–221, 452, 465–472, 473–485, 542, 559
 querquedula, 542
 sparsa, 218
 strepera, 463–472
Anchoa mitchilli, 206
Anderson, Mary E. and Richard N. Conner, Northern Cardinal song in three forest habitats in eastern Texas, 436–449
Anderson, Raymond K., see Rosenfield, Robert N., John Bielefeldt, ———, and William A. Smith
Andrews, Kathryn, see Gottfried, Bradley M., ———, and Michaela Haug
Anhinga, see *Anhinga anhinga*
anhinga, see *Anhinga* spp.
Anhinga anhinga, 66–67, 69
Anhinga spp., 119
announcements
 Additions to the book list of the Josselyn Van Tyne Memorial Library, 405–411
 Alexander Wilson grave-site restoration, 412
 Cost of life membership in WOS to increase, 412
 First Vice-Presidents of the Wilson Ornithological Society, 258
 International code on zoological nomenclature, 140
 Presidents of the Wilson Ornithological Society, 140
 Raptor organization registry, 331
 WOS centennial fund, 412
Anous stolidus, 571–572

- ant, see *Paraponera* sp.
- Anthony, Robert G., see Keister, George P., Jr., ———, and H. Richard Holbo
- Anthracothonax nigricollis, 364
- anting
- Micrastur semitorquatus*, 231–232
- Aphelocoma coerulescens *coerulescens*, 370
- Apus apus, 310
- Aquila chrysaetos, 79, 82, 158, 514
- Aramus guarauna, 67
- Ardea cinerea, 538
- herodias*, 121, 234, 374–378, 378, 538–541
- Arlott, Norman, see Flegg, Jim, ———, Eric and David Hosking
- association
- of *Parus bicolor* and *Bubulcus ibis* with *Ursus americanus*, 395
- Ateles paniscus, 146
- Auk, Little, see *Plautus alle*
- Avocet, American, see *Recurvirostra americana*
- awards and grants
- Alexander Wilson prize, 592
- Edwards prize, 591
- George Miksch Sutton award for ornithological art, 46, 592
- Hawk Mountain Sanctuary research award, 264
- Louis Agassiz Fuertes awards, 591–592
- Margaret Morse Nice award, 591
- North American Bluebird Society research grants, 411–412
- Paul A. Stewart awards, 592
- Student Membership awards, 172
- Aythya affinis*, 465–472, 556, 559
- americana*, 464–472, 554–559
- collaris*, 465
- valisineria*, 465–472, 556–559
- backswimmer, see *Notonecta* spp.
- Bailey, James A., Principles of wildlife management, reviewed, 402
- Baker, William S., see Hayes, Floyd E., ———, and Kent R. Beaman
- Bananaquit, see *Coereba flaveola*
- Barlow, Jon C. and Stephen V. Nash, Behavior and nesting biology of the St. Andrew Vireo, 265–272
- Bart, Jonathan, Causes of recording errors in singing bird surveys, 161–172
- bat, leaf-nosed, see Phyllostomatidae
- Bayer, Range D., Interactions between Great Blue Herons and gulls, 538–541
- Beaman, Kent R., see Hayes, Floyd E., William S. Baker, and ———
- bear, black, see *Ursus americanus*
- Becker, Dale M., Food habits of Richardson's Merlins in southeastern Montana, 226–230
- Bee-eater, White-fronted, see *Merops bulcockoides*
- beetle, water, see *Hydrous piceus*
- behavior
- agonistic
- Dendragapus obscurus*, 71–77
- interactions between *Ardea herodias* and *Larus* spp., 538–541
- bathing
- Progne subis*, 127–128
- competition
- Tachycineta bicolor*, 221–224
- display
- Dendragapus obscurus*, 73
- Ilicura militaris*, 273–282
- flocking
- of *Amphispiza bilineata*, *Amphispiza belli*, and *Zonotrichia leucophrys*, 511–516
- food-related
- acorn storage by *Melanerpes uropygialis*, 571
- Aechmophorus occidentalis*, 122–123
- Carassius auratus* captured by *Otus asio*, 572–573
- Corvus ossifragus*, 123–125
- interactions between *Ardea herodias* and *Larus* spp., 538–541
- Mus musculus* attacked by *Anous stolidus*, 571–572
- occurrences of *Oceanodroma castro* at upwellings, 543–547
- Spizaetus ornatus*, 145
- foraging, see foraging behavior
- incubation
- by male passerines, 370–372
- lek-formation
- Centrocercus urophasianus*, 219–221
- nesting
- Passer domesticus* steals nest materials from *Columbina passerina*, 379–381

- Vireo caribaeus*, 268–270
 nestling, see nestling behavior
 reproductive
 double-brooding in *Branta canadensis*
 moffitti (maxima), 387–388
 of *Circus cyaneus hudsonius*, 332–346
 of *Pluvialis apricaria*, 486–501
 of *Rallus limicola* and *Porzana carolina*,
 551–544
 of *Spizaetus ornatus*, 141–147
 roosting
 Haliaeetus leucocephalus, 148–160
 Phalacrocorax pelagicus, 116–119
 territorial
 Corvus brachyrhynchos, 389–390
 Dendragapus obscurus, 72–75, 97–101
 Pluvialis apricaria, 486–501
 Vireo caribaeus, 266
 vocal
 Aimophila quinquestrata, 102–106
 avoidance of acoustic interference by
 Seiurus aurocapillus, 569–571
 imitation by *Progne subis*, 392–395
 Turdus migratorius, 183–190
 Vireo gilvus, 4–20
- Bernstein, Chuck, *The joy of birding: a guide to better birdwatching*, reviewed, 588
- Bernstein, Neil P. and Stephen J. Maxson, *Reproductive energetics of Blue-eyed Shags in Antarctica*, 450–462
- Bielefeldt, John, see Rosenfield, Robert N., ———, Raymond K. Anderson, and William A. Smith
- Bildstein, Keith L., review by, 402–403
- Binford, Laurence C., see Schulenberg, Thomas S. and ———
- Blackbird, Brewer's, see *Euphagus cyanocephalus*
- Red-winged, see *Agelaius phoeniceus*
- Blankinship, David R., see King, Kirke A., ———, Emilie Payne, Alexander J. Krynitsky, and Gary L. Hensler
- Bluebird, Eastern, see *Sialia sialis*
- Mountain, see *Sialia currucoides*
- Bobolink, see *Dolichonyx oryzivorus*
- Boekelheide, Robert J., see Ainley, David G., Edmund F. O'Connor, and ———
- Bonasa umbellus*, 71
- Bortolotti, Gary R., review by, 138
- Brachyramphus marmoratus*, 1–3 (Frontispiece)
- Brakhage, David H., *A second brood by Canada Geese*, 387–388
- Branta canadensis*, 107, 387
 canadensis interior, 296–305
 canadensis moffitti (maxima), 296–305, 387–388
 hutchinsii-parvipes, 296
- breeding biology
 Corvus corax, 78–87
 Oceanodroma tristrami, 390–392
 of *Leucippus fallax*, 547–551
 Parulinae, 283–295
- breeding record
 Plectrophenax nivalis, 128–129
- Brenner, Fred J., see Genoways, Hugh H. and ———
- Brevoortia patronus*, 206–207
- Bronson, Michael T., see Leopold, A. Starcker, Ralph J. Gutiérrez, and ———
- Brown, Bryan T. and Peter L. Warren, *Wintering Bald Eagles along the Rio Yaqui, Sonora, Mexico*, 224–226
- Brown, Cathy R., see Wolf, Licia, Richard M. Lejnieks, ———, and Joseph Yarchin
- Bruun, Bertel, see Robbins, Chandler S., ———, and Herbert S. Zim
- Bruning, Donald F., review by, 401
- Brush, A. H. and G. A. Clark, Jr. (eds.), *Perspectives in ornithology*, reviewed, 583–584
- Bubo virginianus*, 79, 83, 109, 232
- Bubulcus ibis*, 66–67, 395
- Bucephala albeola*, 319–331, 456
 clangula, 465
- Budgerigar, see *Melopsittacus undulatus*
- Bufflehead, see *Bucephala albeola*
- Bunch, Bryan (ed.), *The science almanac*, 1985–86, reviewed, 403
- Bunting, Indigo, see *Passerina cyanea*
- Lark, see *Calamospiza melanocorys*
- Snow, see *Plectrophenax nivalis*
- Burger, Joanna, review by, 584–585
- Burke, Charles J., see Hamerstrom, Frances, Frederick N. Hamerstrom, and ———
- Burnham, William A. and William G. Mattox, *Biology of the Peregrine and Gyrfalcon in Greenland*, reviewed, 136

- Bush-tyrant, Streak-throated, see *Myiotheretes striaticollis*
- Buteo jamaicensis*, 79, 82, 109–113, 158, 230–231
- lagopus*, 109–113
- lineatus*, 230
- platypterus*, 109–113
- Butorides striatus*, 66–67, 69, 121, 175, 178, 181
- Byrkjedal, Ingvar, Time-activity budget for breeding Greater Golden-Plovers in Norwegian mountains, 486–501
- Caccamise, Donald F. and Joseph Fischl, Pattern of association of secondary species in roosts of European Starlings and Common Grackles, 173–182
- Caccamise, Donald F. and Robert S. Hedin, An aerodynamic basis for selecting transmitter loads in birds, 306–318
- Calamospiza melanocorys*, 227–229
- Calcarius lapponicus*, 129
- ornatus*, 228–229, 370
- Calidris alba*, 238
- alpina*, 497
- minutilla*, 121
- pusilla*, 106, 107, 496
- Calonectris diomedea*, 191–200
- Campbell, R. Wayne and Brigitta M. Van Der Raay, First breeding record of the Snow Bunting for British Columbia, 128–129
- canary, see *Serinus canarius*
- Cancer sp., 540
- Canis familiaris*, 378
- latrans*, 83
- Cannell, Peter F., review by, 588
- cannibalism
- of kin by *Porphyrula martinica*, 560–561
- Canvasback, see *Aythya valisineria*
- Caprimulgus aegyptius*, 384
- carolinensis*, 381
- europaeus*, 383
- fossii*, 381, 383–384
- pectoralis*, 381–385
- tristigma*, 383–384
- vociferus*, 381, 383
- Carassius auratus*, 572–573
- Cardinal, Northern, see *Cardinalis cardinalis*
- Red-crested, see *Paroaria coronata*
- Cardinalis cardinalis*, 47, 175, 178, 436–449
- Carduelis tristis*, 228
- caribou, see *Rangifer tarandus*
- Carpodacus mexicanus*, 177
- Carter, Harry R., see Johnston, Stuart and _____
- Casmerodius albus*, 66–67
- Catbird, Gray, see *Dumetella carolinensis*
- Catharacta antarctica*, 366–368
- maccormicki*, 451
- spp., 366
- Cathartes aura*, 66–67, 109–113, 146, 234
- Catharus fuscescens*, 88
- ustulatus*, 368–370, 566–569
- Catostomus commersoni*, 366
- censusing methods
- errors in singing bird surveys, 161–172
- Centrocercus urophasianus*, 219–221
- Cercopithecus aethiops*, 187
- Chachalaca, Plain, see *Ortalis vetula*
- Chaetura brachyura*, 364
- cinereiventris*, 361, 363
- pelagica*, 178
- Charadrius alexandrinus*, 497
- montanus*, 388–389
- morinellus*, 496
- vociferus*, 120–122, 228, 496
- Chat, Yellow-breasted, see *Icteria virens*
- Chen caerulescens*, 106–108
- caerulescens caerulescens*, 297
- Cherry, Jeffrey D., Early autumn movements and prebasic molt of Swainson's Thrushes, 368–370
- Chickadee, Black-capped, see *Parus atricapillus*
- Boreal, see *Parus hudsonicus*
- Carolina, see *Parus carolinensis*
- Chestnut-backed, see *Parus rufescens*
- Mexican, see *Parus sclateri*
- Mountain, see *Parus gambeli*
- chipmunk, least, see *Eutamias minimus*
- Chiroxiphia linearis*, 232
- pareola*, 364
- Chlidonias hybridae*, 572
- Chloropsis aurifrons*, 393
- Choate, Ernest A., revised by Raymond A. Paynter, Jr., The dictionary of bird names, reviewed, 590
- Chlorostilbon mellisugus*, 550
- Chondestes grammacus*, 228
- Chordeiles minor*, 175, 178, 181, 310, 381
- Chrysolampis mosquitus*, 364, 550

- Chuck-will's widow, see *Caprimulgus carolinensis*
 cicada, 17-year periodical, see *Magicicada* spp.
Circus cyaneus, 108–109, 109–113, 230
 cyaneus cyaneus, 332
 cyaneus hudsonius, 332–346
Cistothorus palustris, 21, 102
 Clark, G. A., Jr., see Brush, A. H. and ———
 Clark, William S., see Le Franc, Maurice N., Jr. and ———
 clutch size
 Corvus corax, 81
Cnemotriccus fuscatus, 364
Coccyzus americanus, 125–127
 erythrophthalmus, 125
 minor, 363, 364
Coereba flaveola, 268, 363, 365
Colaptes auratus, 94, 319–331, 525–533
 colony
 location of *Larus argentatus*, 378–379
 colony site use patterns in *Sterna caspia*, 502–510
Columba cayennensis, 364
 squamosa, 363
Columbina passerina, 363, 379–381
 talpacoti, 364
 Committee on classification and nomenclature of the American Ornithologists' Union, The, The A.O.U. check-list of North American birds, 6th ed., reviewed, 130–131
 community structure, and atmospheric moisture, 88–96
 competition
 interference between *Anas clypeata* and *Anas crecca*
 Conant, Sheila, see Rauzon, Mark J., Craig S. Harrison, and ———
 Conner, Richard N., review by, 250–251
 Conner, Richard N., see Anderson, Mary E. and ———
Contopus sordidulus, 236
 virens, 162
 Coot, American, see *Fulica americana*
Coragyps atratus, 66–67, 146
Corixa spp., 536
 Cormorant, Cape, see *Phalacrocorax capensis*
 Double-crested, see *Phalacrocorax auritus*
 Olivaceous, see *Phalacrocorax olivaceus*
 Pelagic, see *Phalacrocorax pelagicus*
Corvus brachyrhynchos, 161–172, 178, 378, 389–390
 capensis, 390
 caurinus, 389
 corax, 78–87, 108, 378, 491
 corone, 83, 107, 390
 macrorhynchos, 390
 mellori, 83
 ossifragus, 123–125
 Cowardin, Lewis M., see Kirby, Ronald E., John H. Reichmann, and ———
 Cowbird, Brown-headed, see *Molothrus ater*
 coyote, see *Canis latrans*
 crab, see *Cancer* sp.
 Craig, Robert J., Comparative habitat use by Louisiana and Northern waterthrushes, 347–355
 Crane, Sandhill, see *Grus canadensis*
 Crossbill, Red, see *Loxia curvirostra*
Crotalus atrox, 233–234
Crotophaga ani, 363–364
 Crow, Black, see *Corvus capensis*
 Carrion, see *Corvus corone*
 Common, see *Corvus brachyrhynchos*
 Fish, see *Corvus ossifragus*
 Jungle, see *Corvus macrorhynchos*
 Northwestern, see *Corvus caurinus*
 Cuckoo, Black-billed, see *Coccyzus erythrophthalmus*
 Yellow-billed, see *Coccyzus americanus*
 Cuthbert, Francesca J., Intra-seasonal movement between colony sites by Caspian Terns in the Great Lakes, 502–510
Cyanocitta cristata, 124, 184, 189
Cyclarhis gujanensis ochrocephala, 422–428, 432
Cyrtonyx cooki, 426
 montezumae, 426
 Davis, Rolph A., Rene N. Jones, Charles D. MacInnes, and Allan J. Pakulak, Molt migration of large Canada Geese on the west coast of Hudson Bay, 296–305
 de L. Brooke, M., Skua predation on penguin eggs: the influence of egg quality and location, 366–368
Dendragapus canadensis franklinii, 71
 obscurus, 71–77, 97–101, 221
Dendrocincla fuliginosa, 364

- Dendroica castanea*, 283–295
coronata, 229, 283–295, 566–569
fusca, 283–295, 566–569
magnolia, 283–295, 566–569
palmarum, 283–295
pennsylvanica, 283–295
petechia, 283–295
striata, 283–295
tigrina, 283–295
virens, 283–295
- Dethier, Vincent G., The ecology of a summer house, reviewed, 137
- Diceros bicornis*, 395
- Dickerman, Robert W., review by, 130–131, 586–588
- Didelphis marsupialis*, 395
- diet
Falco columbarius richardsonii, 226–230
- Dinsmore, James J., see Johnson, Rex R. and ———
- Dinsmore, James J., Thomas H. Kent, Darwin Koenig, Peter C. Petersen, and Dean M. Roosa, Iowa birds, reviewed, 133–134
- distribution
of *Oceanodroma tristrami*, 390–392
of subadult *Haliaeetus leucocephalus*, 365–366
species-area relationships on small islands, 566–569
- dog, see *Canis familiaris*
- Dolichonyx oryzivorus*, 228
- Dotterel, Eurasian, see *Charadrius morinellus*
- Dove, Gray-headed, see *Leptotila plumbeiceps*
- Mourning, see *Zenaida macroura*
- Dove, Louise E., see Adams, Lowell W., ———, and Thomas M. Franklin
- Dowd, Eileen M. and Lester D. Flake, Arrival and departure patterns of Great Blue Herons at a South Dakota colony, 374–378
- Dryocopus pileatus*, 320, 528
- Duck, Black, see *Anas sparsa*
- Ring-necked, see *Aythya collaris*
- Ruddy, see *Oxyura jamaicensis*
- Wood, see *Aix sponsa*
- Dugan, Patrick, see Erwin, R. Michael, Heinz Dumetella carolinensis, 163, 189
- Dunlin, see *Calidris alpina*
- Dysithamnus mentalis*, 364
- Eagle, Bald, see *Haliaeetus leucocephalus*
- Golden, see *Aquila chrysaetos*
- ecological comparison
of avifauna of Grenada and Tobago, West Indies, 356–365
- Eddleman, William R., Craig T. Patterson, and Fritz L. Knopf, Interspecific relationships between American Coots and waterfowl during fall migration, 463–472
- eggs
of *Gavia immer*, 242–243
- eggshell thickness
Pelecanus occidentalis, 208
- Egret, Cattle, see *Bubulcus ibis*
- Great, see *Casmerodius albus*
- Little, see *Egretta garzetta*
- Snowy, see *Egretta thula*
- Egretta caerulea*, 66–67, 69
garzetta, 534–538
thula, 66–67
tricolor, 66–67, 69
- Eichinger, John and David J. Moriarty, Movement of Mojave Desert sparrow flocks, 511–516
- Elaenia flavogaster*, 363–364
martinica, 363
- Elaphe obsoleta*, 234
- Elder, William H., Survivorship in the Tufted Titmouse, 517–524
- elephant, see *Loxodonta africana*
- Embiotocidae, 540
- Empidonax alnorum*, 21
traillii, 21
- energetics
Haliaeetus leucocephalus, 148–160
Phalacrocorax atriceps bransfieldensis, 450–462
- Engbring, John, Forest birds of Guam, reviewed, 259–262
- Eremophila alpestris*, 227–229
- Erwin, R. Michael, Heinz Hafner, and Patrick Dugan, Differences in the feeding behavior of Little Egrets (*Egretta garzetta*) in two habitats in the Camargue, France, 534–538
- Eudocimus albus*, 66–67

- Eudytes chrysolophus*, 367–368
Eulampis holosericeus, 363
Eumomota superciliosa 372–374
Euphagus cyanocephalus, 228
Eutamias minimus, 229
Falco columbarius, 109–113, 226, 230–231
 columbarius richardsonii, 226–230
 mexicanus, 515
 peregrinus, 109–113, 230
 sparverius, 109–113, 158, 230, 319–331, 514
 Falcon, Mexican, see *Falco mexicanus*
 Peregrine, see *Falco peregrinus*
 Ficken, Robert W., James W. Popp, and Paul E. Matthiae, Avoidance of acoustic interference by Ovenbirds, 569–571
 Finch, House, see *Carpodacus mexicanus*
 Rosy, see *Leucosticte arctoa*
 finch, see *Leucosticte* spp.
 Fischl, Joseph, see Caccamise, Donald F. and ———
 fish, mosquito, see *Gambusia affinis*
 Flake, Lester D., see Dowd, Eileen M. and ———
 Flegg, Jim, Norman Arlott, Eric and David Hosking, Just a lark, reviewed, 590
 Fleischer, Robert C., Michael T. Murphy, and Lawrence E. Hunt, Clutch size increase and intraspecific brood parasitism in the Yellow-billed Cuckoo, 125–127
 Flicker, Northern, see *Colaptes auratus*
 Flood, Nancy J., review by, 401–402, 585–586
Florisuga mellivora, 364
 flounder, starry, see *Platichthys stellatus*
 Flycatcher, Alder, see *Empidonax alnorum*
 Willow, see *Empidonax traillii*
 foraging
 behavior
 Micrastur semitorquatus, 231–232
 of *Egretta garzetta* in two habitats, 534–538
 Phalacrocorax pelagicus, 116–119
 Vireo caribaeus, 266–267
 Forbes, L. Scott, Extra-pair feeding in Western Grebes, 122–123
 Forest-Falcon, Barred, see *Micrastur ruficollis*
 Collared, see *Micrastur semitorquatus*
Formicivora grisea, 364
 fox, red, see *Vulpes vulpes*
 Franklin, Thomas M., see Adams, Lowell W., Louise E. Dove, and ———
 Fraser, James D., L. D. Frenzel, John E. Mathisen, and Mark E. Shough, Seasonal distribution of subadult Bald Eagles in three Minnesota habitats, 365–366
 Freeman, B. M. (ed.), Physiology and biochemistry of the domestic fowl, Vol. 5, reviewed, 404
 Frenzel, L. D., see Fraser, James D., ———, John E. Mathisen, and Mark E. Shough
 Fry, C. H., The Bee-eaters, reviewed, 398–400
Fulica americana, 463–472
 Funderburg, John B., Jr., see Quay, Thomas L., ———, David S. Lee, Eloise F. Potter, and Chandler S. Robbins
 Gaddis, Philip K., Structure and variability in the vocal repertoire of the Mountain Chickadee, 30–46
 Gadwall, see *Anas strepera*
Galbula ruficauda, 364
Gallinago gallinago, 121
Gallinula chloropus, 67
 Gallinule, Purple, see *Porphyryla martinica*
Gambusia affinis, 536
 Gannet, North Atlantic, see *Sula bassanus*
 Garganey, see *Anas querquedula*
Gasterosteus spp., 536
 Gates, Robert J., Observations of the formation of a Sage Grouse lek, 219–221
 Gauthier, Gilles, see Peterson, Barbara and ———
Gavia immer, 242–243
Gelochelidon nilotica, 572
 Genoways, Hugh H. and Fred J. Brenner (eds.), Species of special concern in Pennsylvania, reviewed, 580–581
 Genter, David L., Northern Harrier kills Sandhill Crane, 108–109
Geothlypis trichas, 162–172, 283–295
Geotrygon montana, 363
 Giant-Petrel, Southern, see *Macronectes giganteus*
Glaucis hirsuta, 361, 363–364, 550
Glaucomys sabrinus, 321, 323

- Godwit, Black-tailed, see *Limosa limosa*
 Marbled, see *Limosa fedoa*
- Golden-Plover, Greater, see *Pluvialis apricaria*
 Lesser, see *Pluvialis dominica dominica*
 and *Pluvialis dominica fulva*
- Goldfinch, American, see *Carduelis tristis*
- goldfish, see *Carassius auratus*
- Goose, Canada, see *Branta canadensis*
 Snow, see *Chen caerulescens*
- Gottfried, Bradley M., Kathryn Andrews, and
 Michaela Haug, Breeding robins and
 nest predators: effect of predator type
 and defense strategy on initial vocal-
 ization patterns, 183-190
- Graber, Jean W., review by, 579-580
- Graber, Richard R., review by, 133-134
- Grackle, Common, see *Quiscalus quiscula*
- grants, see awards and ———
- Grassquit, Cuban, see *Tiaris canora*
- Graul, Walter D., see Hamas, Michael J. and
 ———
- Grebe, Little, see *Tachybaptus novaehollan-
 diae*
 Pied-billed, see *Podilymbus podiceps*
 Western, see *Aechmophorus occidentalis*
- Greenberg, Russell, The winter exploitation
 systems of Bay-breasted and Chest-
 nut-sided warblers in Panama, re-
 viewed, 136-137
- Grosbeak, Rose-breasted, see *Pheucticus luv-
 dovicianus*
- Groschupf, Kathleen, Changes in Five-
 striped Sparrow song in intra- and in-
 tersexual contexts, 102-106
- Ground-Dove, Common, see *Columbina
 passerina*
- Grouse, Blue, see *Dendragapus obscurus*
 Red, see *Lagopus lagopus scoticus*
 Ruffed, see *Bonasa umbellus*
 Sage, see *Centrocercus urophasianus*
 Spruce, see *Dendragapus canadensis
 franklinii*
- growth
 of *Aythya americana* ducklings, 554-559
- Grubb, Thomas C., Jr., see Petit, Daniel R.,
 Kenneth E. Petit, and ———
- Grubb, Thomas C., Jr., see Petit, Daniel R.,
 Kenneth E. Petit, ———, and Lisa J.
 Reichhardt
- Grus canadensis, 106-108, 108-109
- Grzybowski, Joseph A., see Love, Diane,
 ———, and Fritz L. Knopf
- Guan, Crested, see *Penelope purpurascens*
- Gull, Black-headed, see *Larus ridibundus*
 Bonaparte's, see *Larus philadelphia*
 California, see *Larus californicus*
 Glaucous-winged, see *Larus glaucescens*
 Herring, see *Larus argentatus*
 Laughing, see *Larus atricilla*
 Mew, see *Larus canus*
 Ring-billed, see *Larus delawarensis*
 Thayer's, see *Larus thayeri*
 Western, see *Larus occidentalis*
- Gulledge, James L., Guide to bird sounds,
 reviewed, 575-577
- Gutiérrez, Ralph J., see Leopold, A. Starker,
 ———, and Michael T. Bronson
- Gygis alba, 240
- Gymnorhinus cyanocephalus, 560
 habitat
 use
 by *Anas platyrhynchos* and *Anas dis-
 cors*, 473-485
 by forest-dwelling *Anas platyrhynchos*,
 215-219
 by *Melanerpes carolinus*, *Colaptes au-
 ratus*, *Melanerpes erythrocephalus*,
Sphyrapicus varius, *Picoides
 pubescens*, and *Picoides villosus*,
 525-533
 by *Seiurus motacilla* and *Seiurus nov-
 eboracensis*, 347-355
- Haematopus ostralegus, 497
- Hafner, Heinz, see Erwin, R. Michael,
 ———, and Patrick Dugan
- Hailman, Jack P. and Glen E. Woolfenden,
 Nest-defense of the Florida Scrub Jay
 and the problem of "incubation" by
 male passerines, 370-372
- Haley, Delphine (ed.), Seabirds of eastern
 north Pacific and arctic waters, re-
 viewed, 578-579
- Haliaeetus leucocephalus*, 148-160, 224-226,
 365-366
- Hall, George A., reviews by, 136-137, 137-
 138, 253-254, 398, 403, 404, 574,
 575-577, 580-581, 586, 589-590
- Hamas, Michael J. and Walter D. Graul, A
 four-egg clutch of the Mountain Plo-
 ver, 388-389
- Hamerstrom, Frances, Birding with a pur-
 pose, reviewed, 402-403

- Hamerstrom, Frances, Frederick N. Hamerstrom, and Charles J. Burke, Effect of voles on mating systems in a central Wisconsin population of harriers, 332-346
- Hamerstrom, Frederick N., see Hamerstrom, Frances, ———, and Charles J. Burke
- Hancock, James, The birds of the wetlands, reviewed, 586
- Hancock, James and James Kushlan, The heron handbook, reviewed, 584-585
- Haney, J. Christopher, Band-rumped Storm-Petrel occurrences in relation to upwelling off the coast of the southeastern United States, 543-547
- Haney, J. Christopher and Philip A. McGillivray, Aggregations of Cory's Shearwaters (*Calonectris diomedea*) at Gulf Stream fronts, 191-200
- Harrier, Hen, see *Circus cyaneus cyaneus*
Northern, see *Circus cyaneus*
- Harrison, Craig S., review by, 131-133
- Harrison, Craig S., see Rauzon, Mark J., ———, and Sheila Conant
- Harrison, Hal H., Wood Warblers' world, reviewed, 400
- Haug, Michaela, see Gottfried, Bradley M., Kathryn Andrews, and ———
- Hawk, Broad-winged, see *Buteo platypterus*
Cooper's, see *Accipiter cooperii*
Red-tailed, see *Buteo jamaicensis*
Rough-legged, see *Buteo lagopus*
Sharp-shinned, see *Accipiter striatus*
- Hawk-eagle, Black, see *Spizaetus tyrannus*
Ornate, see *Spizaetus ornatus*
- Hayes, Floyd E., William S. Baker, and Kent R. Beaman, Abnormal yellow eye ring on a Tropical Kingbird, 395-396
- Heatwole, Harold, Brown Noddy attacks mouse, 571-572
- Hedin, Robert S., see Caccamise, Donald F. and ———
- Helmitheros vermivorus, 283-295
- Helyar, James, see Mengel, Robert M., Alexandra Mason, and ———
- Hensler, Gary L., see King, Kirke A., David R. Blankinship, Emilie Payne, Alexander J. Krynskiy, and ———
- Hermit, Rufous-breasted, see *Glaucis hirsuta*
- Heron, Gray, see *Ardea cinerea*
Great Blue, see *Ardea herodias*
Green-backed, see *Butorides striatus*
Little Blue, see *Egretta caerulea*
Tri-colored, see *Egretta tricolor*
- Hieraaetus* sp., 146
- Hillegass, Brian S., see Klem, Daniel, Jr., ———, and Diane A. Peters
- Himantopus mexicanus, 389
- hippopotamus, see *Hippopotamus amphibus*
- Hippopotamus amphibus*, 395
- Hirundo pyrrhonota*, 229
rustica, 392
- Hobson, Keith A. and Spencer G. Sealy, Diving rhythms and diurnal roosting times of Pelagic Cormorants, 116-119
- Holbo, H. Richard, see Keister, George P., Jr., Robert G. Anthony, and ———
- Homo sapiens*, 395
- Hosking, Eric and David, see Flegg, Jim, Norman Arlott, and ———
- Howes-Jones, Daryl, Relationships among song activity, context, and social behavior in the Warbling Vireo, 4-20
- human, see *Homo sapiens*
- Hummingbird, Blue-tailed Emerald, see *Chlorostilbon mellisugus*
Buffy, see *Leucippus fallax*
Copper-rumped, see *Amazilia tobaci*
Ruby-topaz, see *Chrysolampis mosquitus*
- Hunt, Lawrence E., see Fleischer, Robert C., Michael T. Murphy, and ———
- Hunter, Laurie A., Kin cannibalism in the Purple Gallinule, 560-561
- Hydrous piceus*, 535
- Hylocichla mustelina*, 88, 93
- Hylophilus flavipes*, 364
- Ibis, Glossy, see *Plegadis falcinellus*
White, see *Eudocimus albus*
- Ictalurus nebulosus*, 572
- Icteria virens*, 163, 283-295
- Icterus galbula*, 47, 229
- Ictinia mississippiensis*, 561-565
- Ilicura militaris*, 273-282
- incubation
 Corvus corax, 79-82
- information for authors, 138-139
- interspecific relationship
 of *Fulica americana* and waterfowl, 463-472

- Jackson, Bette J. Schardien, see Jackson, Jerome A. and ———
- Jackson, H. D., Commentary and observations on the alleged transportation of eggs and young by caprimulgids, 381–385
- Jackson, Jerome A. and Bette J. Schardien
Jackson, Interactions between House Sparrows and Common Ground-Doves on Walker's Cay, Bahamas, 379–381
- Jackson, Jerome A., see Wilbur, Sanford R. and ———
- James, Ross, review by, 588–589
- Jamieson, Ian G., Behavior of yearling male Blue Grouse and its relation to delayed breeding, 71–77
- Jay, Blue, see *Cyanocitta cristata*
Pinyon, see *Gymnorhinus cyanocephalus*
Scrub, see *Aphelocoma coerulescens*
- Jehl, J. R., Jr., review by, 134–135
- Jenkins, J. Mark, Natural history of the Guam Rail, reviewed, 259–262
- Jenkins, J. Mark, The native forest birds of Guam, reviewed, 259–262
- Johnsgard, Paul A., Cranes of the world, reviewed, 401
- Johnson, Ned K. and Robert M. Zink, Genetic evidence for relationships among the Red-eyed, Yellow-green, and Chi-vi vireos, 421–435
- Johnson, Oscar W., Timing of primary molt in first-year Golden-Plovers and some evolutionary implications, 237–239
- Johnson, Rex R. and James J. Dinsmore, Brood-rearing and postbreeding habitat use by Virginia Rails and Soras, 551–554
- Johnston, Stuart and Harry R. Carter, Cavity-nesting Marbled Murrelets, 1–3
- Jones, Ian L., review by, 578–579
- Jones, Rene N., see Davis, Rolph A., ———, Charles D. MacInnes, and Allan J. Pakulak
- Junco, Dark-eyed, see *Junco hyemalis*
Yellow-eyed, see *Junco phaeonotus*
- Junco hyemalis*, 229
phaeonotus, 515
- Keast, Allen, review by, 583–584
- Keister, George P., Jr., Robert G. Anthony, and H. Richard Holbo, A model of energy consumption in Bald Eagles: an evaluation of night communal roosting, 148–160
- Keller, Charles, see Mumford, Russell E. and ———
- Kent, Thomas H., see Dinsmore, James J., ———, Darwin Koenig, Peter C. Petersen, and Dean M. Roosa
- Kerlinger, Paul, Water-crossing behavior of raptors during migration, 109–113
- Kestrel, American, see *Falco sparverius*
- Kilham, Lawrence, Life history studies of Woodpeckers of eastern North America, reviewed, 250–251
- Kilham, Lawrence, Territorial behavior of American Crows, 389–390
- Killdeer, see *Charadrius vociferus*
- King, Kirke A., David R. Blankinship, Emilie Payne, Alexander J. Krynitsky, and Gary L. Hensler, Brown Pelican populations and pollutants in Texas 1975–1981, 201–214
- Kingbird, Eastern, see *Tyrannus tyrannus*
- Kinglet, see *Regulus* sp.
- Kinkajoo, see *Potus flavus*
- Kirby, Ronald E., John H. Riechmann, and Lewis M. Cowardin, Home range and habitat use of forest-dwelling Mallards in Minnesota, 215–219
- Kite, Mississippi, see *Ictinia mississippiensis*
Snail, see *Rostrhamus sociabilis*
- Klem, Daniel, Jr., Brian S. Hillegass, and Diane A. Peters, Raptors killing raptors, 230–231
- Klimstra, William D., see Roseberry, John L. and ———
- Knopf, Fritz L., see Eddleman, William R., Craig T. Patterson, and ———
- Knopf, Fritz L., see Love, Diane, Joseph A. Gzybowski, and ———
- Koenig, Darwin, see Dinsmore, James J., Thomas H. Kent, ———, Peter C. Petersen, and Dean M. Roosa
- Kroodsmas, Donald E., Development and use of two song forms by the Eastern Phoebe, 21–29
- Krynitsky, Alexander J., see King, Kirke A.,

- David R. Blankinship, Emilie Payne,
 ———, and Gary L. Hensler
 Kuhnigk, Albert, see Lyon, Bruce and
 ———
 Kushlan, James, see Hancock, James and
 ———
 Lagopus lagopus, 107
 lagopus scoticus, 108
 land use
 effect on windbreak selection by *Ictinia*
 mississippiensis, 561–565
 Lanius ludovicianus, 515
 Lark, Horned, see *Eremophila alpestris*
 Larus argentatus, 234, 378–379, 538–541,
 560
 atricilla, 233
 californicus, 539–541
 canus, 491, 539–541
 delawarensis, 234, 507, 539–541
 glaucescens, 538–541
 occidentalis, 538–541
 philadelphia, 539–541
 ridibundus, 310
 spp., 538
 thayeri, 538–541
 Leafbird, Golden-fronted, see *Chloropsis*
 aurifrons
 Leberman, Robert C., review by, 400
 Lee, David S., see Quay, Thomas L., John
 B. Funderburg, Jr., ———, Eloise F.
 Potter, and Chandler S. Robbins
 Leffelaar, David and Raleigh J. Robertson,
 Nest usurpation and female competi-
 tion for breeding opportunities by
 Tree Swallows, 221–224
 Le Franc, Maurice N., Jr. and William S.
 Clark, Working bibliography of the
 Golden Eagle and the genus *Aquila*,
 reviewed, 138
 Lejnicks, Richard M., see Wolf, Licia,
 ———, Cathy R. Brown, and Joseph
 Yarchin
 Leopold, A. Starker, Ralph J. Gutiérrez, and
 Michael T. Bronson, North American
 game birds and mammals, reviewed,
 404
 Leptotila plumbeiceps, 145
 verreauxi, 361, 364
 wellsi, 361, 363
 Leucippus baeri, 548
 chlorocercus, 548
 fallax, 547–551
 fallax richmondi, 548–551
 taczanowskii, 548
 leucism
 in *Thryothorus ludovicianus*, 244
 Leucosticte arctoa, 129
 spp., 148
 Lewis, Richard A., Use of space by territorial
 male Blue Grouse, 97–101
 Lightbody, Jill P., Growth rates and devel-
 opment of Redhead ducklings, 554–
 559
 Limnothlypis swainsonii, 283–295
 Limosa fedoa, 243–244
 limosa, 496
 Limpkin, see *Aramus guarauna*
 lizard, northern short-horned, see *Phryno-*
 soma douglassi brevirostre
 western fence, see *Sceloporus occidentalis*
 Longspur, Chestnut-collared, see *Calcarius*
 ornatus
 Lapland, see *Calcarius lapponicus*
 Loon, Common, see *Gavia immer*
 Lophodytes cucullatus, 465–472
 Love, Diane, Joseph A. Grzybowski, and
 Fritz L. Knopf, Influence of various
 land uses on windbreak selection by
 nesting Mississippi Kites, 561–565
 Loxia curvirostra, 228
 Loxigilla noctis, 363
 Loxodonta africans, 395
 Lutra canadensis, 378
 Lyon, Bruce and Albert Kuhnigk, Obser-
 vations on nesting Ornate Hawk-Ea-
 gles in Guatemala, 141–147
 MacInnes, Charles D., see Davis, Rolph A.,
 Rene N. Jones, ———, and Allan J.
 Pakulak
 MacRoberts, B. R., see MacRoberts, M. H.
 and ———
 MacRoberts, M. H. and B. R. MacRoberts,
 Gila Woodpecker stores acorns, 571
 Macrodipteryx vexillaria, 383
 Macronectes giganteus, 367
 Magicicada spp., 125, 127
 Magpie, Black, see *Pica pica*
 Mallard, see *Anas platyrhynchos*
 Manacus spp., 281
 Manakin, Blue-crowned, see *Pipra coronata*

- Crimson-hooded, see *Pipra aureola*
 Long-tailed, see *Chiroxiphia linearis*
 Pin-tailed, see *Ilicura militaris*
Marmota monax, 395
 Marshall, Joe T., review by, 259–262
 Martin, Mark W. and Robert F. Martin,
 Nestling feeding schedules of Tur-
 quoise-browed Motmots in Yucatan,
 Mexico, 372–374
 Martin, Purple, see *Progne subis*
 Martin, Robert, see Martin, Mark W. and
 ———
 Mason, Alexandra, see Mengel, Robert M.,
 ———, and James Helyar
 Mathisen, John E., see Fraser, James D., L.
 D. Frenzel, ———, and Mark E.
 Shough
 mating system
 of *Circus cyaneus hudsonius*, affected by
Microtus pennsylvanicus, 332–346
 Matthiae, Paul E., see Ficken, Robert W.,
 James W. Popp, and ———
 Mattox, William G., see Burnham, William
 A. and ———
 Maxson, Stephen J., see Bernstein, Neil P.
 and ———
 Mays, Nora M., Ants and foraging behavior
 of the Collared Forest-Falcon, 231–
 232
 McClure, H. E., Bird banding, reviewed,
 588–589
 McGillivray, Philip A., see Haney, J. Chris-
 topher and ———
 McKittrick, Mary C., review by, 257–258
 McNair, Douglas B., An auxiliary with a
 mated pair and food-caching behav-
 ior in the Fish Crow, 123–125
 McNeil, Raymond and José Ramón Rodrí-
 guez S., Nest, seasonal movements,
 and breeding of Buffy Hummingbirds
 in xeric habitats of northeastern Ven-
 ezuela, 547–551
 McNeil, Raymond, José Ramón Rodríguez
 S., and Francine Mercier, Eastward
 range expansion of the Marbled God-
 wit in South America, 243–244
 Meadowlark, Eastern, see *Sturnella magna*
 Western, see *Sturnella neglecta*
 meetings and conferences
 American Ornithologists' Union, 263
 Pacific Seabird Group and Colonial Wa-
 terbird Group, 264
 Proceedings of the Sixty-sixth WOS an-
 nual meeting, 591–605
 Raptor Research Foundation, 264
 Wilson and Cooper Ornithological Soci-
 eties, 56
 XIX Congressus Internationalis Ornitho-
 logicus, 263
Melanerpes carolinus, 93–94, 525–533, 571
erythrocephalus, 236, 525–533
formicivorus, 234–236, 571
rubricapillus, 364
uropygialis, 571
Melanitta fusca, 465
Melospittacus undulatus, 16
Melospiza melodia, 161–172, 566–569
 Mengel, Robert M., Alexandra Mason, and
 James Helyar, A catalogue of the Ellis
 collection of ornithological books in
 the University of Kansas libraries.
 Vol. 2, C–D, reviewed, 247–249
 Mercier, Francine, see McNeil, Raymond,
 José Ramón Rodríguez S., and
 ———
 Merganser, Common, see *Mergus merganser*
 Hooded, see *Lophodytes cucullatus*
Mergus merganser, 465–472
 Merlin, see *Falco columbarius*
Merops bullockoides, 123
 Meyer de Schauensee, Rodolphe, The birds
 of China, reviewed, 397–398
Micrastur ruficollis, 231–232
semitorquatus, 231–232
Microtus pennsylvanicus, 332–346
 migration
Accipiter striatus, 109–113
Branta canadensis interior, *Branta cana-*
densis moffittii (maxima), 296–305
Buteo jamaicensis, 109–113
Buteo lagopus, 109–113
Buteo platypterus, 109–113
Cathartes aura, 109–113
Circus cyaneus, 109–113
Falco columbarius, 109–113
Falco peregrinus, 109–113
Falco sparverius, 109–113
Fulica americana relationships with wa-
 terfowl, 463–472
Pandion haliaetus, 109–113

- Mimus gilvus*, 363–364
 polyglottos, 175, 178
 mink, see *Mustela vison*
Mionectes oleagineus, 364
Mniotilta varia, 283–285
 Mockingbird, Northern, see *Mimus polyglottos*
Molothrus ater, 175–177, 179, 181, 228
 bonariensis, 363, 365
 molt
 of *Branta canadensis interior*, *Branta canadensis moffittii* (*maxima*), 296–305
 of *Catharus ustulatus*, 368–370
 of *Pluvialis dominica dominica* and *Pluvialis dominica fulva*, 237–239
 of *Podilymbus podiceps*, 239–240
Momotus momota, 364, 374
 monkey, spider, see *Ateles paniscus*
 vervet, see *Cercopithecus aethiops*
 Moorhen, Common, see *Gallinula chloropus*
 Moriarty, David J., see Eichinger, John and ———
 mortality
 nestling *Sphyrapicus ruber daggetti* killed by *Melanerpes formicivorus*, 234–236
 raptors killed by raptors, 230–231
 Morton, Eugene S., Vocal imitation in a captive Purple Martin, 392–395
 Motmot, Turquoise-browed, see *Eumomota superciliosa*
 mouse, lab, see *Mus musculus*
 movement patterns
 of *Ardea herodias*, 374–378
Moxotoma macrolepidotum, 366
 Mueller, Helmut C., review by, 254–257
 Mulhern, John H., Thomas D. Nudds, and B. Richard Neal, Wetland selection by Mallards and Blue-winged Teal, 473–485
 Mumford, Russell E. and Charles E. Keller, *The birds of Indiana*, reviewed, 579–580
 Murphy, Michael T., see Fleischer, Robert C., ———, and Lawrence E. Hunt
 Murrelet, Marbled, see *Brachyramphus marmoratus*
Mus musculus, 233, 571–572
Mustela sp., 83
 vison, 378
Myadestes townsendi, 228
Mycteria americana, 66–67
Myiarchus tyrannulus, 363–364
 venezuelensis, 364
Myiodynastes maculatus, 364
Myiotheretes striaticollis, 419
Myotis spp., 229
Naucoris spp., 536
 Nash, Stephen V., see Barlow, Jon C. and ———
 Neal, B. Richard, see Mulhern, John H., Thomas D. Nudds, and ———
 nest
 clutch size
 Charadrius montanus, 388–389
 construction
 Corvus corax, 79
 of *Leucippus fallax*, 548
 defense
 by *Aphelocoma coerulescens coerulescens*, 370–372
 predator
 Turdus migratorius, 183–190
 site
 Corvus corax, 78–79
 Spizaetus ornatus, 141–144
 use by cavity-nesting species, 319–331
 temperature
 Salpinctes obsoletus, 385–387
 usurpation
 Tachycineta bicolor, 221–224
 nesting
 cavity
 Brachyramphus marmoratus, 1–3
 nestling
 behavior
 Corvus corax, 82–83
 defense
 by caprimulgids, 385–387
 feeding of
 by *Eumomota superciliosa*, 372–374
 Nighthawk, Common, see *Chordeiles minor*
 Night-Heron, Black-crowned, see *Nycticorax nycticorax*
 Yellow-crowned, see *Nycticorax violaceus*
 Nightjar, Egyptian, see *Caprimulgus aegyptius*
 European, see *Caprimulgus europaeus*

- Fierynecked, see *Caprimulgus pectoralis*
 Freckled, see *Caprimulgus tristigma*
 Mozambique, see *Caprimulgus fossii*
 Pennantwinged, see *Macrodipteryx vexillaria*
 Noctuidae, 229
 Noddy, Brown, see *Anous stolidus*
 Notonecta spp., 536
 Nudds, Thomas D., see Mulhern, John H.,
 ———, and B. Richard Neal
 Nuthatch, White-breasted, see *Sitta carolinensis*
 Nyctea scandiaca, 231
 Nycticorax nycticorax, 66–67
 violaceus, 66–67
 Nyctidromus albicollis, 381
 Oceanites oceanicus, 547
 Oceanodroma castro, 543–547
 leucorhoa, 547
 tristrami, 390–392
 O'Connor, Edmund F., see Ainley, David
 G., ———, and Robert J. Boekelheide
 Olor columbianus, 297
 Olson, Storrs L., see Wetmore, Alexander,
 Roger Pasquier, and ———
 Oporornis formosus, 283–295
 philadelphia, 283–295
 opossum, see *Didelphis marsupialis*
 Oring, Lewis W., review by, 249–250
 Oriole, Northern, see *Icterus galbula*
 Ortalis vetula, 145
 Orthorhyncus cristatus, 363
 Osprey, see *Pandion haliaetus*
 otter, see *Lutra canadensis*
 Otto, James E. and David L. Strohmeier,
 Wing molt by a nesting Pied-billed
 Grebe, 239–240
 Otus asio, 572–573
 Ovenbird, see *Seiurus aurocapillus*
 Owl, Great Horned, see *Bubo virginianus*
 Saw-whet, see *Aegolius acadicus*
 Snowy, see *Nyctea scandiaca*
 Oxyura jamaicensis, 466
 Oystercatcher, Eurasian, see *Haematopus*
 ostralegus
 Pachyramphus polychopterus, 364
 Pakulak, Allan J., see Davis, Rolph A., Rene
 N. Jones, Charles D. MacInnes, and
 —————
 Pandion haliaetus, 109–113
 Paraponera sp., 145
 parasitism
 Coccyzus americanus, 125–127
 Parkes, Kenneth C., review by, 245–247
 Paroaria coronata, 393
 Parula americana, 283–295, 568
 Parulinae, 267, 283–295
 Parus, atricapillus, 42, 517
 bicolor, 395, 517–524
 caeruleus, 310
 carolinensis, 42
 cinctus, 45
 gambeli, 30–46
 hudsonicus, 42–43
 lugubris, 44
 major, 104
 montanus, 44
 palustris, 44
 rufescens, 42–43
 sclateri, 42
 Pasquier, Roger, see Wetmore, Alexander,
 —————, and Storrs L. Olson
 Passer domesticus, 127, 176–178, 180, 229,
 310, 379–381
 Passerculus sandwichensis, 229
 Passerina cyanea, 161–172
 Patterson, Craig T., see Eddleman, William
 R., ———, and Fritz L. Knopf
 Pauraque, see *Nyctidromus albicollis*
 Payne, Emilie, see King, Kirke A., David
 R. Blankinship, ———, Alexander
 J. Krynitsky, and Gary L. Hensler
 Payne, Robert B., Sexual selection, lek and
 arena behavior, and sexual size di-
 morphism in birds, reviewed, 249–
 250
 Paynter, Raymond A., Jr., see Choate, Er-
 nest A., revised by ———
 Pelecanus erythrorhynchos, 206
 occidentalis, 201–214
 Pelican, Brown, see *Pelecanus occidentalis*
 White, see *Pelecanus erythrorhynchos*
 Penelope purpurascens, 145
 Penguin, Macaroni, see *Eudyptes chrysolophus*
 Peppershrike, Rufous-browed, see *Cyclarhis*
 gujanensis ochrocephala
 Perca flavescens, 122
 perch, live-bearing, see *Embiotocidae*
 yellow, see *Perca flavescens*

- Peters, Diane A., see Klem, Daniel, Jr., Brian S. Hillegass, and ———
- Petersen, Peter C., see Dinsmore, James J., Thomas H. Kent, Darwin Koenig, ———, and Dean M. Roosa
- Peterson, Barbara and Gilles Gauthier, Nest site use by cavity-nesting birds of the Cariboo Parkland, British Columbia, 319–331
- Petit, Daniel R., Kenneth E. Petit, and Thomas C. Grubb, Jr., On atmospheric moisture as a factor influencing distribution of breeding birds in temperate deciduous forest, 88–96
- Petit, Daniel R., Kenneth E. Petit, Thomas C. Grubb, Jr., and Lisa J. Reichhardt, Habitat and snag selection by woodpeckers in a clear-cut: an analysis using artificial snags, 525–533
- Petit, Kenneth E., see Petit, Daniel R., ———, and Thomas C. Grubb, Jr.
- Petit, Kenneth E., see Petit, Daniel R., ———, Thomas C. Grubb, Jr., and Lisa J. Reichhardt
- Petrel, Bonin, see *Pterodroma hypoleuca*
- Phalacrocorax aristotelis, 459
- atriceps bransfieldensis*, 450–462
- auritus*, 117, 452
- capensis*, 458
- olivaceus*, 117, 118
- pelagicus*, 116–119
- Phalaenoptilus nuttallii, 229
- Phaeucticus ludovicianus, 47
- melanocephalus*, 47–56
- Phillips, Allan R., review by, 581–583
- Phoebe, Eastern, see *Sayornis phoebe*
- Phrynosoma douglassi brevirostre, 229
- Phyllostomatidae, 145
- Pica pica*, 390, 460
- Picoides major*, 236
- pubescens*, 94, 525–533
- villosus*, 93, 94, 525–533
- Pintail, Northern, see *Anas acuta*
- Pipra aureola*, 281
- coronata*, 281
- Pisaster* sp., 540
- Platichthys stellatus*, 540
- Platychila flavipes*, 364
- Platyrinchus mystaceus*, 280
- Plautus alle, 384
- Plectrophenax nivalis*, 128–129
- Plegadis falcinellus*, 66–67
- Plover, Black-bellied, see *Pluvialis squatarola*
- Mountain, see *Charadrius montanus*
- Snowy, see *Charadrius alexandrinus*
- plumage
- abnormal
- leucism in *Thryothorus ludovicianus*, 244
- xanthochroism in *Tyrannus melancholicus*, 395–396
- Pluvialis apricaria*, 486–501
- dominica*, 496
- dominica dominica*, 237–239
- dominica fulva*, 237–239
- squatarola*, 496
- Podilymbus podiceps*, 239–240
- pollutants
- and Brown Pelican populations, 201–214
- polygyny
- in *Circus cyaneus hudsonius*, 332–346
- Poocetes gramineus*, 163, 227–229
- Poole, Robert M. (ed.), The wonder of birds, reviewed, 575–577
- Poorwill, Common, see *Phalaenoptilus nuttallii*
- Popp, James W., see Ficken, Robert W., ———, and Paul E. Matthiae
- Prophyryla martinica*, 67, 560–561
- Porzana carolina*, 67, 551–554
- Potter, Eloise F., see Quay, Thomas L., John B. Funderburg, Jr., David S. Lee, ———, and Chandler S. Robbins
- Potus flavus*, 145
- pout, horned, see *Ictalurus nebulosus*
- Pöysä, Hannu, Circumstantial evidence of foraging interference between two species of dabbling ducks, 541–543
- Prairie-Chicken, Greater, see *Tympanuchus cupido*
- predation
- Grus canadensis*, 106–108
- of *Eudyptes chrysolophus* eggs by *Catharacta antarctica*, 366–368
- of *Grus canadensis* by *Circus cyaneus*, 108–109
- of *Sterna caspia* by *Crotalus atrox*, 233–234
- Prescott, Kenneth W., Eastern Screech-Owl

- captures goldfish in patio pond, 572–573
- Procyon lotor, 83, 533, 572
- Progne subis, 127–128, 175–180, 363, 392–395
- Protonotaria citrea, 283–295
- Psarocolius decumanus, 365
- Ptarmigan, Willow, see *Lagopus lagopus*
- Pterodroma hypoleuca, 391
- Puffinus spp., 197
- Purroy, F. J. (ed.), Censo de aves en el Mediterraneo/Bird census and Mediterranean landscape, reviewed, 398
- Quay, Thomas L., John B. Funderburg, Jr., David S. Lee, Eloise F. Potter, and Chandler S. Robbins (eds.), The Seaside Sparrow, its biology, and management, reviewed, 253–254
- Quay, W. B., Sperm release in migrating wood-warblers (Parulinae) nesting at higher latitudes, 283–295
- Quinn, James S., Caspian Terns respond to rattlesnake predation in a colony, 233–234
- Quiscalus lugubris, 363, 365
quiscula, 148, 173–182, 189
- raccoon, see *Procyon lotor*
- radio telemetry
selecting transmitter load, 306–319
- Rail, Clapper, see *Rallus longirostris*
- King, see *Rallus elegans*
- Virginia, see *Rallus limicola*
- Rallus elegans*, 67
limicola, 551–554
longirostris, 552
- range extension
of *Limosa fedoa*, 243–244
- Rangifer tarandus*, 490
- rat, black, see *Rattus rattus*
- Polynesian, see *Rattus exulans*
- rattlesnake, western diamondback, see *Crotalus atrox*
- Rattus exulans*, 391
rattus, 391
- Rauzon, Mark J., Craig S. Harrison, and Sheila Conant, The status of the Sooty Storm-Petrel in Hawaii, 390–392
- Raven, Common, see *Corvus corax*
- Little, see *Corvus mellori*
- Recurvirostra americana*, 389
- Redhead, see *Aythya americana*
- Regulus* sp., 267
- Reichhardt, Lisa J., see Petit, Daniel R., Kenneth E. Petit, Thomas C. Grubb, Jr., and ———
- renewing
Corvus corax, 83
- reproductive rate
Pelecanus occidentalis, 203–205
- Reynolds, John D., Sandhill Crane use of nest markers as cues for predation, 106–108
- rhinoceros, see *Diceros bicornis*
- Riechmann, John H., see Kirby, Ronald E., ———, and Lewis M. Cowardin
- Riparia riparia*, 128, 234
- Ripley, S. Dillon, see Ali, Salim and ———
- Ritchison, Gary, Variation in the songs of female Black-headed Grosbeaks, 47–56
- Robbins, Chandler S., Bertel Bruun, and Herbert S. Zim, Birds of North America, reviewed, 574
- Robbins, Chandler S., see Quay, Thomas L., John B. Funderburg, Jr., David S. Lee, Eloise F. Potter, and ———
- Robertson, Raleigh J., see Leffelaar, David and ———
- Robin, American, see *Turdus migratorius*
- Robinson, Anne, see Timoney, Kevin, Jim Rogers, and ———
- Rodriguez, José Ramón, S., see McNeil, Raymond and ———
- Rodriguez, José Ramón, S., see McNeil, Raymond, ———, and Francine Mercier
- Rogers, Jim, see Timoney, Kevin, ———, and Anne Robinson
- Rogers-Price, Vivian, John Abbot in Georgia; the vision of a naturalist artist (1751–ca. 1840), reviewed, 589–590
- Roosa, Dean M., see Dinsmore, James J., Thomas H. Kent, Darwin Koenig, Peter C. Petersen, and ———
- roosting
Rostrhamus sociabilis, 57–70
secondary species in *Sturnus vulgaris* and *Quiscalus quiscula* roosts, 173–182
- Roseberry, John L. and William D. Klim-

- stra, Population ecology of the Bobwhite, reviewed, 251-253
 Rosenfield, Robert N., John Bielefeldt, Raymond K. Anderson, and William A. Smith, Sex ratios in broods of Cooper's Hawks, 113-115
 Rostrhamus sociabilis, 57-70
 Rynchops niger, 233
 Salpinctes obsoletus, 385-387
 Saltator aurantiirostris, 419
 Saltator, Golden-billed, see Saltator aurantiirostris
 Samuel, David E., review by, 402
 Sanderling, see Calidris alba
 Sandpiper, Least, see Calidris minutilla
 Semi-palmated, see Calidris pusilla
 Solitary, see Tringa solitaria
 Spotted, see Actitis macularia
 Sapsucker, Red-breasted, see Sphyrapicus ruber daggetti
 Yellow-bellied, see Sphyrapicus varius
 Sarcoramphus papa, 146
 Savidge, Julie A., Guam: paradise lost for wildlife, reviewed, 259-262
 Sayornis phoebe, 21-29
 Scaphidura oryzivora, 365
 Scaup, Lesser, see Aythya affinis
 Sceloporus occidentalis, 236
 Schreiber, Ralph W. (ed.), Tropical seabird biology, reviewed, 131-133
 Schulenberg, Thomas S. and Laurence C. Binford, A new species of tanager (Emberizidae: Thraupinae, Tangara) from southern Peru, 413-420
 Scolopax minor, 384
 rusticola, 384
 Scoter, White-winged, see Melanitta fusca
 Scott, Shirley L. (ed.), Field guide to the birds of North America, reviewed, 575-577
 Screech-Owl, Eastern see Otus asio
 Sealy, Spencer G., see Hobson, Keith A. and _____
 Searcy, William A., review by, 137
 Seiurus aurocapillus, 93, 283-295, 569-571
 motacilla, 283-295, 347-355
 noveboracensis, 283-295, 347-355
 Seneca, Joseph J., A record of extreme leucism in the Carolina Wren, 244
 Serinus canarius, 53
 Setophaga ruticilla, 283-285, 566-569
 Severinghaus, Lucia Liu, review by, 397-398
 sex ratios
 in Accipiter cooperii, 113-115
 Shag, see Phalacrocorax aristotelis
 Blue-eyed, see Phalacrocorax atriceps
 bransfieldensis
 Shearwater, Cory's see Calonectris diomedea
 Sherrod, Steve K., Behavior of fledgling peregrines, reviewed, 254-257
 Shough, Mark E., see Fraser, James D., L. D. Frenzel, John E. Mathisen, and _____
 Shoveler, Northern, see Anas clypeata
 Shrike, Loggerhead, see Lanius ludovicianus
 Shuford, W. David, Acorn Woodpecker mutilates nestling Red-breasted Sapsuckers, 234-236
 Sialia currocooides, 228, 319-331
 sialis, 127, 148
 Sitta canadensis, 566-569
 carolinensis, 94
 spp., 148
 Sittasomus griseicapillus, 364
 Skimmer, Black, see Rynchops niger
 skua, see Catharacta spp.
 Skua, South Polar, see Catharacta macrorhynchus
 Subantarctic, see Catharacta antarctica
 Skutch, Alexander F., Nature through tropical widows, reviewed, 257-258
 Smith, Neal G., review by, 577-578
 Smith, Robert Leo, review by, 251-253
 Smith, Tommy R., Observations of a Tufted Titmouse and a Cattle Egret associating with a black bear, 395
 Smith, William A., see Rosenfield, Robert N., John Bielefeldt, Raymond K. Anderson, and _____
 snake, black rat, see Elaphe obsoleta
 common garter, see Thamnophis sirtalis
 Snipe, Common, see Gallinago gallinago
 Snow, Barbara K. and D. W. Snow, Display and related behavior of male Pintailed Manakins, 273-282
 Snow, D. W., see Snow, Barbara K. and _____
 Solitaire, Townsend's, see Myadestes townsendii

- song
 development
 Sayornis phoebe, 21–29
 variation
 in female *Pheucticus melanocephalus*, 47–56
 in *Parus gambeli*, 30–46
Sora, see *Porzana carolina*
Spadebill, White-throated, see *Platyrinchus mystaceus*
Sparrow, Black-throated, see *Amphispiza bilineata*
 Brewer's, see *Spizella breweri*
 Chipping, see *Spizella passerina*
 Field, see *Spizella pusilla*
 Five-Striped, see *Aimophila quinquetriata*
 Grasshopper, see *Ammodramus savenarum*
 House, see *Passer domesticus*
 Lark, see *Chondestes grammacus*
 Sage, see *Amphispiza belli*
 Savannah, see *Passerculus sandwichensis*
 Song, see *Melospiza melodia*
 Vesper, see *Poocetes gramineus*
 White-crowned, see *Zonotrichia leucophrys*
 White-throated, see *Zonotrichia albicollis*
Spermophilus beecheyi, 187
 tridecemlineatus, 228–229
Sphyrapicus ruber daggetti, 234–236
 varius, 320, 525–533
Spinetail, Azara's, see *Synallaxis azarae*
Spizaetus ornatus, 141–147 (Frontispiece)
 tyrannus, 146
Spizella breweri, 228, 515
 passerina, 228
 pusilla, 161–172, 189
Sporophila nigricollis, 361, 363
squirrel, California ground, see *Spermophilus beecheyi*
 flying, see *Glaucomys sabrinus*
 red, see *Tamiasciurus hudsonicus*
 thirteen-lined ground, see *Spermophilus tridecemlineatus*
starfish, see *Pisaster* sp.
Starling, European, see *Sturnus vulgaris*
status
 of *Oceanodroma tristrami*, 390–392
Sterna caspia, 233–234, 502–510
 fuscata, 240–241
 hirundo, 208, 234, 379, 507–508
 lunata, 240, 572
 maxima, 507–508
 sandvicensis, 508
stickleback, see *Gasterosteus* spp.
 Stiehl, Richard B., Brood chronology of the Common Raven, 78–87
Stilt, Black-necked, see *Himantopus mexicanus*
Stork, Wood, see *Mycteria americana*
Storm-Petrel, Band-rumped, see *Oceanodroma castro*
 Leach's, see *Oceanodroma leucorhoa*
 Sooty, see *Oceanodroma tristrami*
 Wilson's, see *Oceanites oceanicus*
 stormwater control impoundments
 use by wetland birds of, 120–122
 Strohmeier, David L., see Otto, James E. and ———
Sturnella magna, 102
 militaris, 365
 neglecta, 228
Sturnus vulgaris, 148, 174–182, 310, 313, 319–331, 334
 sucker, see *Catostomus commersoni* and *Moxotoma macrolepidotum*
Sula bassanus, 459
 survivorship
 of *Parus bicolor*, 517–524
 Svensson, Lars, Identification guide to European passerines, reviewed, 245–247
 Swallow, Bank, see *Riparia riparia*
 Barn, see *Hirundo rustica*
 Cliff, see *Hirundo pyrrhonota*
 Tree, see *Tachycineta bicolor*
Swan, Tundra, see *Olor columbianus*
Swift, Chimney, see *Chaetura pelagica*
 European, see *Apus apus*
 Sykes, Paul W., Jr., Evening roosts of the Snail Kite in Florida, 57–70
Synallaxis azarae, 419
 cinnamomea, 364
 systematics
 Vireo spp., 270
Tachybaptus novaehollandiae, 122
Tachycineta bicolor, 113, 177, 221–224, 236, 319–331
Tachyphonus rufus, 365
Tamiasciurus hudsonicus, 321, 395

- Tanager, Blue-and-black, see *Tangara vassorii*
 Blue-and-yellow, see *Thraupis bonariensis*
 Blue-gray, see *Thraupis episcopus*
 Burnish-buff, see *Tangara cayana*
 Lesser Antillean, see *Tangara cucullata*
 Saffron-crowned, see *Tangara xanthocephala*
 Scrub, see *Tangara vitriolina*
 Silvery, see *Tangara viridicollis*
 Stripe-bellied, see *Tangara* [huberi, flava, sincipitalis, chloroptera, and margaritae]
- Tangara cayana*, 413–420
 [cavana] flava, 413–420
 chloroptera, 418
 cucullata, 363, 413–420
 huberi, 418
 margaritae, 418
 meyerdeschauenseei, 413–420 (Frontispiece)
 sincipitalis, 418
 spp., 413
 vassorii, 417
 viridicollis, 417
 vitriolina, 413–420
 xanthocephala, 417
- taxonomy
Tangara meyerdeschauenseei, 413–420
 of *Vireo olivaceus-flavoviridis-chivi* group, 421–435
- Teal, Blue-winged, see *Anas discors*
 Green-winged, see *Anas crecca*
- Telfair, Raymond Clark, II, The Cattle Egret: a Texas focus and world view, reviewed, 585–586
- Tern, Caspian, see *Sterna caspia*
 Common, see *Sterna hirundo*
 Gray-backed, see *Sterna lunata*
 Gull-billed, see *Gelochelidon nilotica*
 Sandwich, see *Sterna sandvicensis*
 Sooty, see *Sterna fuscata*
 Whiskered, see *Chlidonias hybridus*
 White, see *Gygis alba*
- Thamnophilus doliatatus*, 364
Thamnophilus sirtalis, 234
 Thompson, Charles F., review by, 251
Thraupis bonariensis, 419
episcopus, 365, 419
- Thrush, Chiguanco, see *Turdus chiguanco*
 Wood, see *Hylocichla mustelina*
- Thryothorus ludovicianus*, 244, 436
rutilus, 364
Tiaris bicolor, 363, 365
canora, 106
- time budget
 of *Pluvialis apricaria*, 486–501
 of yearling male *Dendragapus obscurus*, 72
- Timoney, Kevin, Jim Rogers, and Anne Robinson, Notes on the relationships of island area and distance from mainland to the presence of Herring Gull colonies in Lake Nipigon, Ontario, 378–379
- Tit, Blue, see *Parus caeruleus*
 Great, see *Parus major*
 Marsh, see *Parus palustris*
 Siberian, see *Parus cinctus*
 Sombre, see *Parus lugubris*
 Willow, see *Parus montanus*
- Titmouse, Tufted, see *Parus bicolor*
- Tolmomyia flaviventris*, 364
Tringa solitaria, 120–122
Tringa spp., 121
Troglodytes aedon, 363–364
troglydytes, 566–569
Trogon collaris, 364
Turdus chiguanco, 419
fumigatus, 363
migratorius, 94, 148, 155–156, 161–172, 175–177, 179, 181, 183–190, 229
nudigenis, 363–364
Tympanuchus cupido pinnatus, 333
Tyrannetes virescens, 281
Tyrannus dominicensis, 363–364
melancholicus, 364, 395–396, 419
tyrannus, 229
 Tyrant-manakin, Tiny, see *Tyrannetes virescens*
- Unitt, Phillip, The birds of San Diego County, reviewed, 581–583
- Ursus americanus*, 395
- Van Buskirk, Joseph, Species-area relationship of birds on small islands at Isle Royale, Michigan, 566–569
- Van Der Raay, Brigitta M., see Campbell, R. Wayne and ———
- Veery, see *Catharus fuscescens*

- Veniliornis kirkii*, 364
Vermivora chrysoptera, 102
 peregrina, 283–295
 pinus, 283–295
 ruficapilla, 283–295, 566–569
Vireo altiloquus, 363, 422, 432
 altiloquus canescens, 267
 bairdi, 267
 belli, 266, 269
 caribaeus, 265–272 (Frontispiece)
 chivi, 364, 421–434
 crassirostris approximans, 268
 flavoviridis, 421–435
 flavoviridis diversus, 422
 flavoviridis flavoviridis, 422–425, 428
 gilvus, 4–20
 griseus, 266
 hypochryseus, 422
 magister, 422, 432
 modestus, 268
 olivaceus, 161–172, 270, 421–435
 olivaceus diversus, 422–425, 427–428
 olivaceus olivaceus, 422–425, 427
 pallens, 267
 pallens semiflavus, 268
Vireo, Bell's, see *Vireo belli*
 Black-whiskered, see *Vireo altiloquus canescens*
 Cozumel, see *Vireo bairdi*
 Golden, see *Vireo hypochryseus*
 Jamaican White-eyed, see *Vireo modestus*
 Mangrove, see *Vireo pallens*, *Vireo pallens semiflavus*
 Red-eyed, see *Vireo olivaceus*
 St. Andrew, see *Vireo caribaeus*
 Thick-billed, see *Vireo crassirostris approximans*
 Warbling, see *Vireo gilvus*
 White-eyed, see *Vireo griseus*
 Yellow-green, see *Vireo flavoviridis*
 Yucatan, see *Vireo magister*
Vireosylva spp., 267, 270
vocalization
 Cardinalis cardinalis, 436–449
 Parus gambeli, 30–46
 Vireo caribaeus, 267–268
Volatinia jacarina, 361, 363, 365
vole, meadow, see *Microtus pennsylvanicus*
Vulpes vulpes, 151, 378
Vulture, Black, see *Coragyps atratus*
King, see *Sarcoramphus papa*
Turkey, see *Cathartes aura*
Walkinshaw, Lawrence H., Kirtland's Warbler: the natural history of an endangered species, reviewed, 251
Warbler, Bay-breasted, see *Dendroica castanea*
 Black-and-white, see *Mniotilta varia*
 Blackburnian, see *Dendroica fusca*
 Blackpoll, see *Dendroica striata*
 Black-throated Green, see *Dendroica virens*
 Blue-winged, see *Vermivora pinus*
 Canada, see *Wilsonia canadensis*
 Cape May, see *Dendroica tigrina*
 Chestnut-sided, see *Dendroica pensylvanica*
 Golden-winged, see *Vermivora chrysoptera*
 Hooded, see *Wilsonia citrina*
 Kentucky, see *Oporornis formosus*
 Magnolia, see *Dendroica magnolia*
 Mourning, see *Oporornis philadelphia*
 Nashville, see *Vermivora ruficapilla*
 Palm, see *Dendroica palmarum*
 Prothonotary, see *Protonotaria citrea*
 Sedge, see *Acrocephalus schoenobaenus*
 Swainson's, see *Limnothlypis swainsonii*
 Tennessee, see *Vermivora peregrina*
 Wilson's, see *Wilsonia pusilla*
 Worm-eating, see *Helmitheros vermivorus*
 Yellow, see *Dendroica petechia*
 Yellow-rumped, see *Dendroica coronata*
Warren, Peter L., see Brown, Bryan T. and

water loss
 from eggs of *Sterna fuscata*, 240–241
weasel, see *Mustela* sp.
Wetmore, Alexander, Roger Pasquier, and Storrs L. Olson, The birds of the Republic of Panama, reviewed, 577–578
Whip-poor-will, see *Caprimulgus vociferus*
White, Clayton M., review by, 136
Whittow, G. C., Partition of water loss from the eggs of the Sooty Tern between the pre-pipping and pipped periods, 240–241
Wigeon, American, see *Anas americana*
 Eurasian, see *Anas penelope*

- Wilbur, Sanford R. and Jerome A. Jackson, Vulture biology and management, reviewed, 401-402
- Wilsonia canadensis, 283-295
 citrina, 93, 283-295
 pusilla, 283-295
- wintering
 Haliaeetus leucocephalus, 224-226
- Wolf, Licia, Richard M. Lejnicks, Cathy R. Brown, and Joseph Yarchin, Temperature fluctuations and nesting behavior of Rock Wrens in a high-altitude environment, 385-387
- Wolinski, Richard A., Bathing behavior of Purple Martins, 127-128
- Wood, D. Scott, review by, 247-249
- woodchuck, see Marmota monax
- Woodcock, American, see Scolopax minor
 European, see Scolopax rusticola
- Woodpecker, Acorn, see Melanerpes formicivorus
 Downy, see Picoides pubescens
 Gila, see Melanerpes uropygialis
 Great Spotted, see Picoides major
 Hairy, see Picoides villosus
 Pileated, see Dryocopus pileatus
 Red-bellied, see Melanerpes carolinus
 Red-headed, see Melanerpes erythrocephalus
- Wood Pewee, Eastern, see Contopus virens
 Western, see Contopus sordidulus
- Woolfenden, Glen E., see Hailman, Jack P. and ———
- Wren, Carolina, see Thryothorus ludovicianus
 Marsh, see Cistothorus palustris
 Rock, see Salpinctes obsoletus
 Winter, see Troglodytes troglodytes
- Wunderle, Joseph M., Jr., An ecological comparison of the avifaunas of Grenada and Tobago, West Indies, 356-365
- Xiphorhynchus guttatus, 364
- Yarchin, Joseph, see Wolf, Licia, Richard M. Lejnicks, Cathy R. Brown, and ———
- Yellowlegs spp., see Tringa spp.
- Yellowthroat, Common, see Geothlypis trichas
- Zenaida auriculata, 363-364
 aurita, 363
 macroura, 162-172, 176-178, 229
- Zim, Herbert S., see Robbins, Chandler S., Bertel Bruun, and ———
- Zimmerman, Dale A., review by, 398-400
- Zink, Robert M., see Johnson, Ned K. and ———
- Zonotrichia albicollis, 53, 566-569
 leucophrys, 54, 151, 511-516
- Zusi, Richard L., Roger Tory Peterson at the Smithsonian, reviewed, 137-138