

## INDEX TO VOLUME 48<sup>1</sup>

- A Field Guide to the Nests, Eggs, and Nestlings of British and European birds 84-85 (r)
- Abdalla, M. and A. King, Pulmonary arteriovenous anastomoses in the avian lung: do they exist? 381 (r)
- AGE, CRITERIA
- Cardinal 206-223
  - La. Waterthrush 152-154
  - Leach's Storm-Petrels 341-349
  - Mourning Dove 168
  - Pine Siskin 67-71
  - Razorbill 239-252
  - Red-tailed Hawk 169
- , LONGEVITY
- familial, Ospreys 72
  - season for Chimney Swifts 73-73
  - eight-year-old, La. Waterthrush 152-154
  - Mourning Dove unaffected by withdrawing blood 168
  - Red-tailed Hawk 169
  - Leach's Storm-Petrels 341-349
- Agelaius phoeniceus*, alpha-chloralose use 125-137
- movement 259-271
- Aix sponsa*, dispersal and migration 333-336
- Alabama Birds 295-296(r)
- Alca torda*, breeding 239-252
- Amer. Coots, see *Fulica americana*
- ANATOMY AND MORPHOLOGY
- Pine Siskin 67-71
  - disease and abnormalities, Amer. Kestrel 73
  - foot-scutes in North American Oscines 301-308
- Anderson, D. W., L. R. Deweese, and D. V. Tiller, Passive Dispersal of California Brown Pelicans 288-238.
- Andreev, A. and A. Krechmar, Radiotelemetry of the microclimate of Hazel Hen snow shelters 180(r)
- Anisomov, V., On the morphology of the penguin middle ear 183(r)
- Aulie, A. The pectoral muscles and the development of thermoregulation in chicks of Willow Ptarmigan (*Lagopus lagopus*) 80(r)
- Austin, E. S., Obituary 173-174
- Avian Physiology 186-187(r)
- Bajorek, A., see Pinkowski, C. and—
- Ball, A. J. S., see Hunter, R. A., H. A. Ross, and—
- BANDING, RECOVERIES, AND RETURNS
- California Gull 158-161
  - Gray Catbird 145-151
  - La. Waterthrush 152-154
  - Leach's Storm-Petrels 341-349
  - Mourning Dove 168
  - N.A. birds banded in S. Mex. 275-276.
  - Purple Finch 155-157
  - Razorbill 239-252
  - Starlings and Blackbirds 259-271
  - techniques, bird marking 42-61
  - Turkey Vulture 122-123
- , abroad, from birds banded in Panama and the tropics 253-258
- , from birds banded in S. Mex. 275-276.
- , band recoveries
- banded N.A. birds 253-258
  - California Gull 158-161
  - La. Waterthrush 152-154
  - Razorbill 239-252
  - Starlings and Blackbirds 259-271
  - Turkey Vulture 122-124
- , of Wood Duck
- recoveries and returns 333-336
- , returns
- banded N.A. birds 253-258
  - California Gull 158-161
  - Gray Catbird 145-151
  - La. Waterthrush 152-154
  - Razorbill 239-252
  - Starlings and Blackbirds 259-271
  - Wood Duck 333-336
- , general
- Purple Finch 155-157
- Baptista, L. F., see Eberhardt, C. and Barclay, J. S., Roadrunner takes Birds from Mist Net 280
- Barker, M., see Burger, R., P. Nye, F. Powell, C. Ehlers,—and M. Fedde
- Bastov, I., and S. Bornstein, Effects of degree of fatness in broilers on other carcass characteristics: relationship between fatness and the composition of carcass fat 181(r)
- Batten, L. A., Sailing on reservoirs and its effect on water birds 289(r)
- Beaugrand, J. P., An attempt to confirm magnetic sensitivity in the pigeon, *Columba livia* 290-291(r)
- Bedard, J., Coexistence, coevolution and convergent evolution in seabird communities: a comment 286-287(r)
- Bedard, J., see Sealy, S., and—
- Beddington, J. R., and R. M. May, Harvesting natural populations in a randomly fluctuating environment 378(r)

<sup>1</sup>(r)—in a review

## BEHAVIOR, MISCELLANEOUS

- flock feeding, Olivaceous  
Cormorants 277-279
- foot-quivering, Hermit Thrush 168-169
- foster parents, White-thtd. Sparrow 170-171
- Red Phalarope 314-324
- Roadrunner takes birds from net 280
- , cooperative  
season of Chimney Swifts 173-174
- , feeding  
flocks in Olivaceous Cormorant 277-279
- Red-headed Woodpecker 74-75
- Roadrunner takes birds from mist net 280
- , incubation in  
Red Phalarope 314-324
- , nest box preferences  
Bluebirds and House Sparrows 75-76
- , polygamy in  
Red Phalarope 314-324
- , roosting  
Starlings 38-41
- , site tenacity in  
Red Phalarope 314-324
- , survival  
Razorbill 239-252
- Bengston, S.-A., and A. Fjelberg, Summer food of the Purple Sandpiper (*Calidris maritima*) in Spitzbergen 184(r)
- Bennett, G. F., see Herman, C. M., and—
- Berkeley, P., see Williams, T. E.- and V. Harris
- Berry, J., see Goebel, C., and—
- Berry, H. H., History of the guano platform on Bird Rock, Waluis Bay, South West, Africa 180(r)
- Biglaer, W. J., G. L. Hoff and L. A., Survival of Mourning Doves Unaffected by Withdrawing Blood Samples 168
- Bird Sounds 87-88(r)
- Birds of New Jersey, Their Habits 87(r)
- Birdwatchers Guide to Wildlife Sanctuaries 188-189(r)
- Black-bellied Whistling Duck, see *Dendrocygna autumnalis*
- Blackbird, Red-winged, see *Agelaius phoeniceus*
- Blem, C. R., Efficiency of energy utilization of the House Sparrow, *Passer domesticus* 183(r)
- Blokpoel, H., Bird migration forecasts for military air operations 177(r)
- Blokpoel, H., J. D. Heyland, J. Burton, and N. Samson, Observation of Greater Snow Geese across Southern Quebec 372-373
- Blom, L., and F. Rasmussen, Tissue damage at the injection site after intramuscular injection of drugs in hens 181(r)
- Blough, D. S., Visual search in the pigeon; hunt and peck method 377(r)
- Boag, C. L., and C. V. Finnergan, The effects of estradiol and progesterone on the growth and differentiation of the quail oviduct 290
- Boag, D. A., see Fenna, L. and—
- Bobier, W., see Sivak, J. G., J. L. Lincker and—
- Bolen, E. G., and R. E. McCamant, Mortality Rates for Black-Bellied Whistling Ducks 350-353
- Bornstein S., see Bartov, I. and—
- Boyarchuk, V., see Voistuenskii, M., A. Petrushenko, and—
- Brackbill, H., Protracted Prebasic Head Molt in the Dark-eyed Junco 370
- Branta canadensis fulva*, weights and measurements 354-357
- BREEDING
- Brown Pelican 138-144
- California Ospreys 274
- eggs of Carolina Parakeet 25-37
- Gray Catbird 145-151
- Pileated Woodpecker 171-172
- Polygny in Herring Gulls 276-277
- Razorbill 239-252
- White-throated Sparrow as a foster parent of Dark-eyed Junco 170-171
- , polygyny  
in Herring Gulls 276-277
- , sites  
Gray Catbird 145-151
- , success  
Gray Catbird 145-151
- Bromley, R. G., see Traugh, D. L., and—
- Brookman, M. A., Sensitivity of the homing pigeon to an earth-strength magnetic field 376(r)
- Brown, C. R., A Record of Intraspecific Injury in the Purple Martin 273
- Brown-headed Cowbird, see *Molothrus ater*
- Bruderer, B., Variation in direction and spread of directions of bird migration in northern Switzerland 281(r)
- Buchheister, C. W., see Morse, D. H., and—
- Buckley, F. G., see Buckley, P.A., and—
- Buckley, P. A., and F. G. Buckley, Guidelines for the protection and Management of colonially nesting waterbirds 288(r)
- Burger, A. E., see Frost, P.G.M., W. R. Siegfried, and—

- Burger, R., P. Nye, F. Powell, C. Ehlers, M. Barker, and M. Fedde, Response to CO<sub>2</sub> of intrapulmonary chemoreceptors in the Emu 378-379 (r)
- Burton, J., see Blokpoel, H., J. D. Heyland, —, and N. Samson
- Burton, J. A., Owls of the World—their Evolution, Structure, and Ecology 187-188(r)
- Burt, H. E., and M. L. Giltz, Seasonal Directional Patterns and Migrations of Starlings and Blackbirds in North America 259-271
- Bush, R. C., see Fox, R., S. W. Lehmkuhle, and—
- Bushtit, Common, see *Psaltriparus minimus*
- Butenko, A., see Marisova, I. and—
- Callo, I. G., Breeding biology of Zebra Dove (*Geopelia striata Salvadori*) in captivity 77(r)
- Cardinal, see *Cardinalis cardinalis*
- Cardinalis cardinalis*, postjuvenile molt 206-223
- Carduelis flammea*, biennial rhythm 155-157
- Carduelis flammea*, skull pneumatization 67-72
- Carduelis pinus*, skull pneumatization 67-72
- Carpodacus purpureus*, biennial rhythm 155-157
- Catalogue of Birds, USSR 388-389(r)
- Catbird, Gray, see *Dumetella carolinensis*
- Cathartes aura*, migration and mortality 122-124
- Catibog, C. S., Philippine birds and their internal parasites 79(r)
- CENSUSES
- experiments with alpha-chloralose 125-137
- Fla. nesting Brown Pelicans 138-144
- Chantrey, D. F., The behavior of domestic chicks during exposure to two stimuli 285(r)
- Chappuis, C., Les Oiseaux de L'Ouest Africa 185(r)
- Chawla, J. S., G. N. Lodhi, and J. S. Ichhponani, The protein requirements of laying pullets with changing seasons in the tropics 181-182(r)
- Chickadee, Black-capped, see *Parus atricapillus*
- Chordeiles minor*, nightlighting 279-280
- Chrome, F. H. J., Some observations on the biology of the Cassowary in northern Queensland 376(r)
- Clark, G. A., Foot-Scutes in North American Oscines 301-308
- Clark, R. J., A field study of the Short-eared Owls, *Asio flammeus* (Pontopidan), in North America 78-79(r)
- Clunie, R., Jungle Mynah "Anting" with a Millipede 78(r)
- Colacino, J., D. Hector and K. Schmidt-Nielsen, Respiratory responses of ducks to simulated altitude 380(r)
- Common Grackle, see *Quiscalus quiscula*
- Common Loon Chicks, see *Gavia immer*
- Common Nighthawk, see *Chordeiles minor*
- Common Tern, see *Sterna hirundo*
- Composition and Distribution of USSR Avifauna. Non-Passeriformes 89(r)
- Conuropsis carolinensis*, eggs 25-37
- Cooke, F., R. K., Ross, R. K. Schmidt and A. J. Pakulak, Birds of the tundra biome at Cape Churchill and La Perouse Bay 291-292(r)
- Cooke, F., see Weir, R. D., and—
- Coulson, J. C., and J. Horobin, The influence of age on the breeding biology and survival of the Arctic Tern, *Sterna paradisaea* 374(r)
- Cowbird, Brown-headed, see *Molothrus ater*
- Crawford, R. D., Comparison of Trapping Methods for American Coots 309-313
- Crossbill, Red, see *Loxia curvirostra*
- Cyr, J., Experiments with Alpha-Chloralose to Control Harmful Birds 125-137
- Darley, J. A., D. M. Scott, and N. K. Taylor, Effects of Age, Sex, and Breeding Success on Site Fidelity of Gray Catbirds 145-151
- Dauber, M., see D. T. Rogers, Jr., and —
- Davydov, A., and V. Shlyapina, The cold effect of catecholamine content of large pectoral muscles in passerine birds 382
- Dendrocygna autumnalis*, mortality rates 350-353
- Deweese, L. R., see Anderson, D. W., —, and D. V. Tillar
- Dexter, R. W., Synopsis of the 1976 Season for Chimney Swifts at Kent State University 73-74
- Diamond, J. M., and R. M. May, Species turnover rates on islands: dependence on census interval 377(r)
- Diamond, J. M., Preliminary results of an ornithological exploration of the islands of Vitiav and Dampier Straits, Papua, New Guinea 383(r)
- DISPERSAL
- California Brown Pelicans 228-238
- DISTRIBUTION
- Brown Pelicans 138-144
- California Brown Pelicans 228-238
- experiments with Alpha Chloralose 125-137

- N. A. Birds in Panama and Tropics 253-258  
 Red Crossbills 100-117  
 Red-tailed Hawk 169  
 Starlings and Blackbirds 259-271  
 Turkey Vultures 122-124
- Dobbs, J., see Grav, C. R., T. Randy-bush, —, and J. Wather
- Dorward, D. F., see Johnstone, G. W., D. Milledge, —
- Dow, D. D., The use and misuses of the coefficient of variation in analyzing geographical variation in birds 385(r)
- Dubrowska, B., Some observations on the feeding activity of the Corvidae 293(r)
- Duck, Ruddy, see *Oxyura jamaicensis*
- Duffy, D. C., Incidence of Oil Contamination on Breeding Common Terns 370-371
- Dumetella carolinensis*, age, sex and breeding 145-151
- Duplaix-Hall, N., see Kear, J., and—
- Ecologie de la Zone l'Aeroport International de Montreal- Les Oiseaux et le peril aviaire 294-296 (r)
- ECONOMICS  
 experiments with Alpha-chloralose 125-137
- EGGS  
 Carolina Parakeet 25-37  
 Common Terns 325-332  
 Old Cowbird 358-369
- Ehlers, C., see Burger R., P. Nye, F. Powell, —, M. Berker and M. Fedde
- Ely, C. A., P. J. Latas and R. R. Lohoe-fener, Additional Returns and Recoveries of North American Birds Banded in Southern Mexico 275-276.
- Entrikin, R. K., K. L. Swanson, P. M. Weidoff, G. T. Patterson, and B. W. Wislon, Avian muscular dystrophy: functional and biochemical improvement with diphenylhydantoin 381(r)
- Ervin, S., Flock Size, Composition, and Behavior in a Population of Bushtits (*Psaltriparus minimus*) 97-109
- Farina, A., see Fiaschi, V., —, and P. Ioale
- FEATHERS, SEE PLUMAGE
- Fedak, M. A., see Pinshow, B., —, and K. Schmidt-Nielsen
- Fedde, M., see Burger, R., P. Nye, F. Powell, C. Ehlers, M. Berker, and—
- Feduccia, J. A., A model for the evolution of perching birds 292(r)
- Fenna, L., and D. A. Boag, Adaptive significance of the caeca in Japanese Quail and Spruce Grouse (*Galliformes*) 79(r)
- Fetisov, S., Dust bathing by the Hazel Hen 79(r)
- Fiaschi, V., A. Farina, and P. Ioale, Homing experiments on Swifts *Apus apus* (L.) deprived of olfactory perception 282(r)
- Finch, Purple, see *Carpodacus purpureus*
- Finnegan, C. V., see Boag, C. L., and —
- Fischer-Klein, K., see Merkel, F. W., and—
- Fjellberg, A., see Bengston, S-A, and—
- Flamingos 85-86(r)
- Flock, W. L., and J. L. Green, The detection and identification of birds in flight, using coherent and non-coherent radars 176-177(r)
- Floyd, R. B., see Roberts, P. E., F. D. Merritt, and —
- Fogarty, M. J., see Nesbitt, S. A., —, and L. E. Williams, Jr.
- FOOD AND FEEDING, BEHAVIOR  
 experiments with Alpha-Chloralose 125-137  
 feeding ecology in Townsend's Solitaire 11-17  
 Purple Finch, biennial rhythm 155-157  
 storage 74-75  
 —, food  
 biennial rhythm in Purple Finch 155-157  
 experiments with Alpha-chloralose 125-137  
 —, territory  
 winter feeding in Townsend's Solitaire 11-17
- Fox, R., S. W. Lehmkuhle, and R. C. Bush, Stereopsis in the Falcon 376(r)
- Foxall, R. A., see Ouellet, H., S. J. O'Donnell and —
- Frost, P. G. M., W. R. Siegfried, and A. E. Burger, Behavioral adaptations of the Jackass Penguin, *Spheniscus demersus* to a hot, arid environment 380(r)
- Fulica americana*, trapping methods 309-313
- Gates, M. A., see Gibson, A. R., —, and R. Zach
- Gavia immer*, toe-banding 272
- Geococcyx californianus*, takes birds 280
- Gerbig, G. see Schonfeld, M., and —
- Gibson, A. R., M. A., Gates, and R. Zach, Phenetic affinities of the Wood Thrush *Hylocichla mustelina* (Aves: Turdinae) 183-184(r)
- Gilbert, A. B., and D. G. M. Wood-Gush, The effects of exogenous oestrogen and progesterone on laying and nesting behaviour in the hen 182(r)
- Giltz, M. L., see Burt, H. E., and —
- Gingle, A. R., and A. Robertson, Morphologies of cells from 1-day chick embryos 291(r)
- Glen, D. M., see Solomon, M. E., —, D. A. Kendall, and N. F. Milsom

- Gochfeld, M., Intraclutch Egg Variation: The Uniqueness of the Common Tern's Third Egg 325-332
- Gochfeld, M., Plumage Variation in Black-capped Chickadees: Is There Sexual Dimorphism 62-66
- Goebel, C., and J. Berry, Selectivity of range grass seeds by local birds 378-379(r)
- Goodpasture, K. A., Return Records of Louisiana Waterthrushes: An Eight-year-old Bird Reported 152-154
- Gosney, S., and R. G. Hinde, Changes in sensitivity of female budgerigars to male vocalizations 377(r)
- Grackle, Common see *Quiscalus quiscula*
- Grav, C. R., T. Randybush, J. Dobbs, and J. Wather, Altered yolk structure and reduced hatchability of eggs from birds fed single doses of petroleum oils 290(r)
- Grayson, D. K., Pleistocene avifaunas and the overkill hypothesis 292(r)
- Green, J. L., see Flock, W. L., and —
- Green, R. P., see Walcott, C., and —
- Greenlaw, J. S., White-throated Sparrow as Foster Parent of Fledgling Dark-eyed Juncos 170-171
- Grodzinski, Z. Rooks, *Corvus frugilegus* Linnaeus, 1758, in one of the Cracow Parks 377(r)
- Gromadzki, M., and W. Kania, Bird-riding results in Poland. Migrations of the Starlings, *Sturnus vulgaris* L. 77(r)
- Gull, California, see *Larus californicus*
- , Herring, see *L. argentatus*
- , Ring-billed, see *L. delawarensis*
- Gustafson, T., B. Lindkvist, and K. Kristiansson, New method for measuring the flight altitude of birds 284(r)
- Hainsworth, F. R., and L. L. Wolf, Nectar characteristics and food selection by hummingbirds 181(r)
- Harley, I. P., See Rench, J., W. J. Ruderstorf, and —
- HARMFUL BIRDS**
- experiments from Alpha-chloralose 125-137
- Harris, V., see Williams, T. C., P. Berkeley, and —
- Harrison, C., A Field Guide to the Nests, Eggs, and Nestlings of British and European birds 84-85(r)
- Haymes, G. T., see Morris, R. D., and —
- Hector, D., see Colacino J., —, and K. Schmidt-Nielsen
- Henny, C. J., California Ospreys Begin Incubation at Frozen Mountain Lake 274
- Herman, C. M., and G. F. Bennett, Use of sentinel ducks in epizootiological studies of anatis blood protozoa 289(r)
- Heyland, J. D., see Blokpoel, H., —, J. Burton, and N. Samson
- Hinde, R. G., see Gosney, S., and —
- Hoff, G. L., see Bigler, W. J., —, L. A. Scribner
- Homann, P. H., An Ovenbird at least seven years old 77(r)
- Horobin, J., see Coulson, J. C. and —
- Houston, C. S., Movements of Saskatchewan-banded California Gulls 158-161
- Houston, D., The effect of Hooded Crows on hill sheep farming in Argyll, Scotland 379(r)
- Hunter, R. A., see Morris, R. D., and —
- Hunter, R. A., H. A. Ross, and A. J. S. Bell, A laboratory simulation of predator-induced incubation interruption using Ring-billed Gull eggs 290(r)
- Ichhponani, J. S., see Chawla, J. S., G. N. Lodhi, and —
- INJURIES AND ACCIDENTS**
- of Purple Martin 273
- Ioale, P., see Fiaschi, V., A. Farina, and —
- Irodoprocne bicolor*, spring arrival 162-167
- Island Biology, Illustrated by the Land Birds of Jamaica 296-300(r)
- Jeffries, D. J., and J. L. F. Parslow, The genetics of bridling in Guillemots from a study of handreared birds 383-384(r)
- Jobanek, G. A., An apparent longevity record for the Black Noddy 77(r)
- Johnsgard, P. A., North American Game Birds of Upland and Shoreland 85(r)
- Johnson, P., Vegetation associated with Kakapo (*Strigops habroptilus* Gray) in Sinbad Gully Fiordlan, New Zealand 378(r)
- Johnstone, G. W., D. Milledge, and D. F. Dorward, The White-capped Albatross of Albatross Island: numbers and breeding behaviour 177(r)
- Josaeter, G., and R. Saetre, Predation on eggs of Capelin (*Mallotus villosus*) by diving ducks, 184(r)
- Joyner, D. E., Nest Desertion by Ruddy Ducks in Utah, 19-24
- Kadosaki, M. The lung-air sac system of the Gruidae (1) 80(r)
- Kamil, A. C., see Pietrewicz, A. T., and —
- Kania, W., see Gromadzki, M., and —
- Kear, J., and N. Duplaix-Hall, Flamingos 85-86(r)
- Keeton, W. T., The mystery of pigeon homing 175(r)
- Keeton, W. T., see Larkin, T. S., and —

- Keeton, W. T., see Wiltschko, W., R. Wiltschko, and —
- Kelsall, J. P., and W. J. Pannekoek, The mineral profile of plumage in captive Lesser Snow Geese 289(r)
- Kemp, A. C., see Peakall, D. B. and —
- Kendall, D. A., see Solomon, M. E., D. M. Glen, —, and N. F. Milsom
- Kennard, J. H., Biennial Rhythm in Purple Finch Migration 155-157
- Kilham, L., Foot-quivering in a Foraging Hermit Thrush 168-169
- Kimmel, T., see Nunn, G. L., D. Klem, Jr., —, and T. Merriman
- King, A., see Abdella, M., and —
- Kitching, J., Birdwatcher's Guide to Wildlife Sanctuaries 188-189(r)
- Klem, D., Jr., see Nunn, G. L., —, T. Kimmel, and T. Merriman
- Koshelev, A., Mass formation of Coot rafts on Baraby Lakes (Western Siberia) 376-377(r)
- Kosolapova, D., see Kovrov, V., and —
- Kostelecka-Myrcha, A., Variations in the red cell picture during growth of goslings and chickens 182(r)
- Kottke, B. A., see Lewis, J. C. and —
- Kovrov, V. and D. Kosolapova, A discrete mathematical model of the speciation process 384(r)
- Kovshar, A., Ecology of the Songar Titmouse 78(r)
- Krechmar, A., see Andreev, A., and —
- Kristiansson, K., see Gustafson, T., B. Lindkvist, and —
- Krull, F., The synchronizing effects of slight oscillations of light intensity on activity period of birds 178(r)
- Larkin, T. S., and W. T. Keeton, Bar magnets mask the effect of normal magnetic disturbances on pigeon orientation 283(r)
- Larkin, R. P., and P. J. Sutherland, Migrating birds respond to Project Seafarer's electromagnetic field 283-284(r)
- Larus argentatus*, external sexing 118-121
- , close nesting 276-277
- Larus californicus*, movements 158-161
- Larus delawarensis*, external sexing 118-121
- Latasand, P. J., see Ely, C. A., —, R. R. Lohoefer
- Laughlin, K. F., and H. Lundy, The influence of sample size on the choice of method and interpretation of incubation experiments 182(r)
- Laughlin, K. F., H. Lundy and J. A. Tait, Chick embryo heart rate during the last week of incubation: population studies 182(r)
- Leach's Storm-Petrel, see *Oceandroma leucorhoa*
- Leask, M. J. M., A physicochemical mechanism for magnetic field detection by migratory birds and homing pigeons 375(r)
- Leck, C., Birds of New Jersey, Their Habits and Habitats 87(r)
- Lederer, R. J., Winter Feeding Territories in the Townsend's Solitaire 11-18
- Lehmkuhle, S. W., see Fox, R., —, and R. C. Bush
- Lewis, J. C. and B. A. Kottke, Endothelial damage and thrombocyte adhesions in pigeon atherosclerosis 381(r)
- LIFE TABLE
- Razorbill 239-252
- Liley, N. R., Physiological maturation and reproductive behavior of female doves (*Streptopelia risoria*) held under long and short photoperiods 285-286(r)
- Lincer, J. L., see Sivak, J. G., —, and W. Bobier
- Lindkvist, B., see Gustafson, T., —, and K. Kristiansson
- Lloyd, C. S., and C. M. Perrins, Survival and Age at First Breeding in the Razorbill 239-252
- Lobkov, E., Distribution and ecology of the Kamchatkan Tern in Kamchatka 179(r)
- Lodhi, G. N., see Chawla, J. S., —, and J. S. Ichhponani
- Loftin, J., Returns and Recoveries of Banded North American Birds in Panama and the Tropics 253-258
- Lohoefer, R. R., see Ely, C. A., P. J. Latas, and —
- Lowry, M., Bird behavior and earthquakes 375(r)
- Lowther, P. E., Old Cowbird Breeding Records From The Great Plains Region 358-369
- Loxia curvirostra*, sex and age 110-117
- Lundberg, A., Breeding Success and Prey availability in a Ural Owl, *Strix uralensis* Pall., population in central Sweden 375(r)
- Lundy, H., see Laughlin, K. F., and —
- Lundy, H., see Laughlin, K. F., and J. A. Tait
- McCament, R. E., see Bolen, E. G., and —
- McIntyre, J. W., Toe-banding of Common Loon Chicks 272
- McKinley, D., Eggs of the Carolina Parakeet: A preliminary review 25-37
- McKinley, D., Records of the Carolina Parakeet in Ohio 292(r)
- McMillan, J. P., see Turek, F. W., —, and M. Menaker
- Majlert, Z., see Wojtusiak, R., and —

- Marion, W. R., and J. D. Shamis, An Annotated Bibliography of Bird Marking Techniques 42-61
- Marisova, I., and A. Butenko, Notes on distribution and ecology of the Syrian Woodpecker in the Ukraine 81(r)
- Marshall, W. H., see Morgenweck, R. O. and —
- Martin, L. D., and J. D. Stewart, Teeth in *Ichthyornis* 293(r)
- Martin, Purple, see *Progne subis*
- May, R. M., see Beddington, J. R., and —
- May, R. M., see Diamond, J. M., and —
- MEASUREMENTS**  
of Vancouver Canada Geese 354-357
- Melospiza melodia*<sup>1</sup> song mimesis 193-105
- Menaker, M., see Turek, F. W., J. P. McMillan, and —
- Mendelssohn, H., and U. Paz, Mass mortality of birds of prey caused by Azodrin, an organophosphorus insecticide 379-380(r)
- Merkel, F. W., and K. Fischer-Klein, Angle sense in the Chinese painted quail (*Excalfactoria chinense*) 175-176 (r)
- Merriman, T., see Nunn, G. L., D. Klem, Jr., T. Kimmel, and —
- Merritt, F. D., see Roberts, P. E., —, and R. B. Floyd
- METABOLISM, SEE PHYSIOLOGY**
- MIGRATION (SEE ALSO ORIENTATION and HOMING)**  
autumnal 1-10  
California Gull 158-161  
Starlings and Blackbirds 259-271  
Woodcock 337-340  
Wood Ducks 333-336  
Purple Finch 155-157  
Purple Martin 162-167  
Turkey Vulture 112-124  
biennial rhythm of  
Purple Finch 155-157  
of American Woodcock  
migration 337-340  
of Wood Ducks  
migration 333-336  
radar study  
over Miami 1-10  
timing of  
in Woodcock 332-340
- Milledge, D., see Johnstone, G. W., —, D. F. Dorward
- Milsom, N. F., see Solomon, M. E., D. M. Glen, D. A. Kendall, and —
- Molothrus ater*, alpha-chloralose use 125-137
- Molothrus ater*, movement 259-271  
breeding 358-369
- MOLT**  
Dark-eyed Junco 370  
determination of Red Crossbills, Age and Sex 110-117  
postjuvinal, of Cardinals 206-223  
skull pneumatization, Pine Siskin 67-71  
prebasal  
Dark-eyed Junco 370  
postjuvinal, Cardinals interrelation of variables 206-223
- Morgenweck, R. O. and W. H. Marshall, Wing Marker for American Woodcock 224-227
- Morris, R. D., and G. T. Haymes, The breeding biology of two Lake Erie Herring Gull Colonies 374
- Morris, R. D., and R. A. Hunter, Factors influencing desertion of colony sites by Common Terns (*Sterna hirundo*) 377(r)
- Morrison, M. L. and R. D. Slack, The Role of Flock Feeding in Olivaceous Cormorants 277-279
- Morse, D. H., Hostile encounters among spruce-woods warblers, (*Dendroica: Parulidae*) 286(r)
- Morse, D. H., and C. W. Buchheister, Age and Survival of Breeding Leach's Storm-Petrels in Maine 341-349
- MORTALITY**  
experiments with alpha-chloralose 125-137  
Turkey Vulture 122-124  
Purple Martin 162-167  
Wood Duck 171
- MOVEMENTS**  
experiments with Alpha-chloralose 125-137  
migration, California Gulls 158-161  
migration, Purple Finch 155-157  
migration, Turkey Vulture 122-124  
Red-tailed Hawk 169  
spring arrival of Purple Martins 162-167
- MOVEMENTS, SEASONAL**  
of Starlings and Blackbirds 259-271
- Mueller, H. C., Longevity Record for the Red-tailed Hawk 169
- Muller, K. A., Threat display of the Australian Painted Snipe 179(r)
- Myadestes townsendi*, winter feeding territory 11-18
- Narayan, A. D., Inbreeding components of body weight and growth rate in Japanese Quail 182-183(r)
- Necker, R., Thermal sensitivity of different skin areas in pigeons 381(r)
- Nesbitt, S. A., M. J. Fogarty, and L. E. Williams, Jr., Status of Florida Nesting Brown Pelicans, 1971-1976 138-144
- NESTING AND REPRODUCTION (BREEDING BIOLOGY)**  
American Coots 309-313  
American Kestrel 371  
American Woodcock 337-340

- Black-bellied Whistling Ducks 350-353  
 Chimney Swifts 173-174  
 Common Terns 325-332  
 —, 370-371  
 desertion, Ruddy Ducks 19-24  
 Eastern Bluebirds and House Sparrows 75-76  
 Leach's Storm-Petrel 341-349  
 Old Cowbird 358-369  
 Ospreys 72  
 Purple Martins 162-167  
 Red Phalarope 314-324  
 behavior,  
   roosting, Starlings 38-41  
 Niles, D. M., see Rohwer S., and —  
 Noer, H., see Rabol, J., and —  
 North American Game Birds of Upland and Shoreline 85(r)  
 Not As the Crow Flies 389(r)  
 Nunn, G. L., D. Klem, Jr., T. Kimmel, and T. Merriman, Surplus killing and caching by American Kestrels (*Falco sparverius*) 285(r)  
 Nye, P., see Burger, R., —, F. Powell, C. Ehlers, M. Barker, and M. Fedde  
*Oceanodroma leucorhoa*, breeding 341-349  
 O'Donnell, S. J., see Ouellet, H., —, and R. A. Foxall  
 Olivaceous Cormorant, see *Phalacrocorax olivaceus* Olson, S. L., A jacana from the Pliocene of Florida (Aves: Jacanidae) 81 (r)  
 Olson, S. L., Fossil Woodcocks: an extinct species from Puerto Rico and an invalid species from Malta (Aves: Scolopacidae: Scolopax) 81(r)  
 Olson, S. L., and A. Wetmore, Preliminary diagnoses of two extraordinary genera of birds from Pleistocene deposits in the Hawaiian Islands 81(r)  
 Osborne, D. R., and R. Winters, Pre-1941 eggshell characteristics of some birds 291(r)  
 Ouellet, H., S. J. O'Donnell, and R. A. Foxall, Gray Jay nesting in the Mer Bleue Bog, Ottawa, Ontario 284-285(r)  
 Owls of the World—their Evolution, Structure, and Ecology 187-188(r)  
*Oxyura jamaicensis*, nest desertion 19-24  
*Phalacrocorax olivaceus*, flock feeding 277-279  
*Pandion haliaetus*, incubation 274  
 Pannekoek, W. J., see Kelsall, J. R., and —  
 Pakulak, A. J., see Cooke, F., R. K. Ross, P. K. Schmidt, and —  
 Parakeet, Carolina, see *Conuropsis carolinensis*
- PARASITES AND DISEASE  
 Amer. Kestrels 73  
 by birds, Old Cowbird 358-369  
 Carabid Beetle remains in American Kestrel nest 371  
 ectoparasites, Pileated, Woodpeckers 171-172  
 Parslow, J. L. F., see Jeffries, D. J. and —  
*Parus atricapillus*, plumage variation 62-66  
*Passer domesticus*, roosting behavior 38-41  
 Patterson, G. T., see Entrikin, R. K. K. L. Swanson, P. M. Weidoff, —, and B. W. Wilson  
 Payne, R. B., and C. J. Risley, Systematics and Evolutionary Relationships among the Herons (Ardeidae) 81-84(r)  
 Paz, U., see Mendelsshohn, and —  
 Peakall, D. B., and A. C. Kemp, Organochlorine residue levels in herons and raptors in the Transvaal 288-289(r)  
 Peaslee, S., and B. Sorrie, Record longevity for vireo 175(r)  
*Pelecanus occidentalis*, Florida nesting 138-144  
 —, passive dispersal 228-238  
 Pelican, Brown, see *Pelecanus occidentalis*  
 Perdeck, A. C., An experiment on the orientation of juvenile Starlings during spring migration 373(r)  
 Perrins, C. M., see Lloyd, C. S., and —  
 Petersen, L., Age of first breeding in Puffin, *Fratercula arctica* (L.) 375(r)  
 Petrushenko, A., see Voistvenskii, M., —, and V. Boyarchuk  
*Phalaropus fulicarius*, polyandry, replacement clutches and site tenacity 314-324  
 Philips, J. R., Carabid Beetle Remains in an American Kestrel Nest 371  
 Phillips, A. R., Sex and Age Determination of Red Crossbills (*Loxia curvirostra*) 110-117  
*Philohela minor*, wing marker 224-227  
 —, breeding and migration 337-340  
 Photoperiod, Starlings 38-41  
 Pietrewicz, A. T., and A. C. Kamil, Visual detection of cryptic prey by Blue Jays (*Cyanocitta cristata*) 286(r)  
 Pikula, J., Egg size in relation to weight of egg-laying Female *Turdus merula* and *Turdus philomelos* 381-382(r)  
 Pinkowski, B. C., Food Storage and Restorage in the Red-headed Woodpecker 74-75  
 Pinkowski, C. and A. Bajorek, Vernal migration patterns of certain avian species in southern Michigan 372(r)



- Pinshow, B., M. A. Fedak, and K. Schmidt-Nielsen, Terrestrial locomotion in penguins: it costs more to waddle 289(r)
- Pipilo erythrophthalmus*, foot-scutes in N. A. Oscines 301-308
- Pitts, T. D., Do Eastern Bluebirds and House Sparrows Prefer Nest Boxes with White or Black Interiors? 75-76
- Plokhinskij, N. and Supin. L., Avian orientation errors in short distance homing 373(r)
- PLUMAGES AND MOLT**  
postjuvinal molt of Cardinals 206-223  
sex and age, Red Crossbills 110-117  
sexual, Black-capped Chickadees 62-66
- , oil on Common Terns 370-371
- POPULATIONS, MOVEMENTS, DYNAMICS**  
Black-bellied Whistling Ducks 350-353  
California Gulls 158-161  
experiments with alpha-chloralose 125-137  
Fla. nesting Brown Pelicans 138-144  
Leach's Storm-Petrels 341-349  
Old Cowbird 358-369  
Red Phalarope 314-324  
spring arrival of Purple Martins 162-167  
control of  
with alpha-chloralose 125-137  
density  
Leach's Storm-Petrel 341-349  
Red Phalarope 314-324  
historical  
Old Cowbird 358-369  
mortality rates  
Black-bellied Whistling Ducks 350-353
- Pottinger, R. P., see East, R., and —
- Pounder, B., Waterfowl at effluent discharges in Scottish coastal Waters 180-181(r)
- Powell, F., see Burger, R., P. Nye, —, G. Ehlers, M. Barker and M. Fedde
- Powlesland, R. G., Effects of the haematophagous mite *Ornithonyssus bursa* on nestling Starlings in New Zealand 380
- PREDATION**  
by Roadrunner 280  
*Progne subis*, spring arrival 162-167  
—, intraspecific injury in 273  
*Psaltriparus minimus*, flock size, composition, behavior 97-109  
Purple Martin, see *Progne subis*  
*Quiscalus quiscula*, alpha-chloralose use 125-137  
—, movements 259-271
- Rahol, J., and H. Noer, Spring migration in the Skylark (*Alauda arvensis*) in Denmark. Influence of environmental factors on the flocksize and correlation between flocksize and migratory direction 281(r)
- Randybush, T., see Grav, C. R., —, J. Dobbs, and J. Wather
- RANGE**  
Cowbird 358-369  
Canada Geese 354-357
- Rappole, J. H. and D. W. Warner, Relationships between behaviour, physiology and weather in avian transients at a migration stopover site 176(r)
- Rare Birds in Britain and Ireland 86-87 (r)
- Rare, Endangered and Little-Known Birds of USSR 388(r)
- Rasmussen, F., see Blom, L., and —
- Ratti, J. T., D. E. Timm, and F. C. Robards, Weights and Measurements of Vancouver Canada Geese 354-357
- Razorbill, see *Alca torda*
- Red Phalarope, see *Phalaropus fulicarius*
- Redpoll, Common, see *Carduelis flammea*
- Red-winged Blackbird, see *Agelaius phoeniceus*
- Rench, J., W. J. Rudersdorf, and J.P. Harley, A preliminary method to determine sex in Canada Geese by skin transparency 80(r)
- REPRODUCTION**  
Gray Catbird 145-151  
Risley C. J., see Payne, R. B., and —
- Roadrunner, see *Geococcyx californianus*
- Robards, F. C., see Ratti, J. T., D. E. Timm, and —
- Roberts, J., D. Smyth, and A. Spain, Preliminary Studies in acoustic orientation in *Collocalia spodiopygia* 384(r)
- Roberts, P. E., F. D. Merritt, and R. B. Floyd, Wedge-tailed Shearwaters on Mutton Bird Island, Coff's Harbour NSW 177-178(r)
- Robertson, A., see Gingle, A. R. and —
- Robinson, R. N., Vocal mimicry and the evolution of bird song 293-294(r)
- Rogers, D. T., Jr., and M. Dauber, Instances of Disease and Abnormalities in American Kestrels 73
- Rohwer S., and D. M. Niles, An Historical Analysis of Spring Arrival Times in Purple Martins: A Test of Two Hypotheses 162-167
- ROOSTING**  
Starlings 38-41
- Ross, H. A., see Hunter, R. A., —, and A. J. S. Ball
- Ross, R. K., see Cooke, F., —, R. K. Schmidt, and A. J. Pakulak

- Rudebeck, G., The Choice of Prey and Modes of Hunting of Predatory Birds with Special Reference to their Selective Effect 88-89(r)
- Rudersdorf, W. J., see Rensch, J., —, and J. P. Harley
- Rufous-sided Towhee, see *Pipilo erythrophthalmus*
- Ryumkevich, T., Photoperiod regulation of the molt of Oortolan Buntings of the Leningrad region 382-383 (r)
- Ryumkevich, T., The development of juvenile plumage and postjuvenile molt of the Rustic Bunting in the Leningrad region 382 (r)
- Saetre, R., see Josaeter, G., and —
- Samson, N., see Blokpoel, J. D. Heyland, J. Burton, and —
- Schamel, D., and D. Tracy, Polyandry, Replacement Clutches, and Site Tenacity in the Red Phalarope (*Phalaropus fulicarius*) at Barrow, Alaska 314-324
- Schmidt, Nielsen, K., see Colacino, J., D. Hector and —
- Schmidt, Nielsen, K., see Pinshow, B., M. A. Fedak, and —
- Schmidt, R. K., see Cooke, F., R. K. Ross, —, A. J. Pakulak
- Schonfeld, M. and G. Gerbig, A contribution to the breeding biology of the Barn Owl, with particular attention to dependence on the Common Vole 78(r)
- Scott, D. M., see Darley, J. A., —, and N. K. Taylor
- Scribner, L. A., see Bigler, W. J., G. L. Hoff, and —
- Sealy, S. and J. Bedard, Breeding biology of the Parakeet Auklet (*Cyclorhynchus psittacula*) on St. Lawrence Island, Alaska 178(r)
- Seibt, U. and W. Wickler, Duetting song as territorial display in birds 293(r)
- Seiurus motacilla*, returns 152-154
- Semenov-Tyan-Shanskii, O. I. The Lapland Reserve, 189(r)
- Semya, A., Starling damage in vineyards of southeast Kazakhstan and analysis of acoustic repulsion results 379(r)
- Serventy, D. L., V. Serventy, and J. Warham, The Handbook of Australian Sea-birds 185-186(r)
- Serventy, V., see Serventy, D. L., —, and J. Warham
- Sex and Age Key of Passerine Bird Fauna, USSR: A manual 388(r)
- Sexual Size Dimorphism in Hawks and Owls of North America 385-386(r)
- Shamis, J. D., see —, W. R. Marion Sharrock, J. T. R., and E. M. Sharrock, Rare Birds in Britain and Ireland 86-87(r)
- Sharrock, E. M., see Sharrock, J. T. R. and —
- Shlyapina, V., see Davydov, A. and —
- Shugart, G. W., A Method for Externally Sexing Gulls 118-121
- Shugart, G. W. and W. E. Southern, Close Nesting, a result of Polygyny in Herring Gulls 276-277
- Siegfried, W. R., see Frost, P. G. M., —, A. E. Burger
- Siskin, Pine, see *Carduelis pinus*
- Sivak, J. G., J. L. Lincer and W. Bobier, Amphibious Visual optics of the Double-crested Cormorant (*Phalacrocorax auritus*) and the Brown Pelican (*Pelecanus occidentalis*) 382 (r)
- SKULL PNEUMATIZATION
- Pine Siskin 67-71
- Slack, R. D., see Morrison, M. L., and —
- Slagsvold, T., Arrival of birds from spring migration in relation to vegetational development 372
- Slagsvold, T., Production of young by the Willow Grouse *Lagopus lagopus* (L.) in Norway in relation to temperature 77(r)
- Smith, J. K., and E. G. Zimmerman, Biochemical genetics and evolution of North American Blackbirds, Family Icteridae 184(r)
- Smyth, D., see Roberts, J., —, A. Spain
- Social Organization and Behavior of the Acorn Woodpecker in Central Coastal California 386-380(r)
- Solitaire, Townsend's, see *Myadestes townsendi*
- Solomon, M. E., D. McGlen, D. A. Kendall, and N. F. Milsom, Predation of overwintering larvae of codling moth (*Cydia pomonella* (L.)) by birds 180(r)
- Sorrie, B., see S. Peaslee and —
- SOUNDS
- Song mimesis in California Song Sparrows 193-205
- Southern, W. E., see Shugart, G. W., and —
- Spain, A., see Roberts, D. Smyth and —
- Sparrow, House, see *Passer domesticus* —, Song, see *Melospiza melodia*
- Starling, see *Sturnus vulgaris*
- Stepanyan, L. S., Composition and Distribution of USSR Avifauna. Non-Passeriformes 89(r)
- Sterna hirundo*, egg variation 322-325
- Stewart, J. D., see Martin, L. D., and —
- Stewart, P. A., A Mortality Table for Wood Ducks 171

- Stewart, P. A., Radial Dispersal and Southward Migration of Wood Ducks Banded in Vermont 333-336
- Stewart, P. A., Roosting Behavior of a Small Group of Starlings 38-41
- Stiles, F. G., Ecology, flowering phenology, and hummingbird pollination of some Costa Rican *Heliconia* Species 179-180(r)
- Stinson, C. H., Familial Longevity in Ospreys 72-73
- Strelitzer, C. L., Starling longevity record? 77(r)
- Sturkie, P. D., Avian Physiology, 186-187(r)
- Sturnus vulgaris*, alpha-chloralose use 125-137  
movements 259-271  
roosting behavior 38-41
- Sullivan, G. A., Song of the finch *Lagonosticta senegala*; inter-specific mimicry by its brood-parasite *Vidua chalybeata* and role of song in the host's social context 294(r)
- Supun, L., see Plokhinskii, N. and —
- SURVIVAL**  
Leach's Storm-Petrels 341-349  
Mourning Doves 168
- Sutherland, P. J., see Larking, R. P., and —
- Swallow, Tree, see *Iridoprocne bicolor* —, Violet-green, see *Tachycineta thalassina*
- Swanson, K. L., see Entrikin, R. K., —, P. M. Weidoff, G. T. Patterson, and B. W. Wilson
- Swenson, J. E., Nightlighting as a Method for Capturing Common Nighthawks and other Caprimulgids 279-280
- Swingland, I. R., The influence of weather and individual interactions on the food intake of captive rooks (*Corvus frugilegus*) 80(r)
- SYSTEMATICS**  
in N. A. Oscines 301-308
- Systematics and Evolutionary Relationships among the Herons, (Ardeidae) 81-84(r)
- Tachycineta thalassina*, spring arrival 162-167
- Tait, J. A., see Laughlin, K. F., H. Lundy, and —
- Talposhch, V., The Syrian Woodpecker in West Ukrainian SSR 79(r)
- TAXONOMY, SYSTEMATICS**  
Red Crossbills 110-117  
Red-tailed Hawk 169
- Taylor, L. R., and R. A. J. Taylor, Aggregation, migration and population mechanics 287(r)
- Taylor, N. K., see Darley, J. A., D. M. Scott, and —
- Taylor, R. A. J., see Taylor, L. R., and —
- TECHNIQUES**  
American Coots 309-313  
Bird Marking 42-61  
California Gulls 158-161  
Common Loon chicks 272  
Externally Sexing Gulls 118-121  
Red Crossbills 110-117  
Wing marking of Woodcock 224-227  
aging  
Pine Siskin 67-71  
Red Crossbills 110-117  
banding  
techniques 42-61  
toe-banding of Loon chicks 272  
marking  
techniques 42-61  
wing marking of American Woodcock 224-227  
nests  
techniques 42-61  
sexing  
Black-capped Chickadee 62-66  
Gulls 118-121  
Red Crossbills 110-117  
traps  
methods 309-313  
techniques 42-61
- TELEMETRY**  
bird marking techniques 42-61
- Temple, S. A., Plant-animal mutualism: coevolution with Dodo leads to near extinction of plant 383(r)
- TERRITORY**  
Red Phalarope 314-324  
site fidelity, Gray Catbirds 145-151  
song mimesis of California Song Sparrows 193-205  
winter, in Townsends's Solitaire 11-18
- The Choice of Prey and Modes of Hunting of Predatory Birds with Special Reference to their Selective Effect 88-89(r)
- The Handbook of Australian Sea-birds 185-186(r)
- The Lapland Reserve 189(r)
- Thielcke, G. A., Bird Sounds 87-88(r)
- Thomson, K. S., Explanation of large scale extinctions of lower vertebrates 184(r)
- Tillar, D. V., see Anderson, D. W., L. R. Dewese, and —
- Timm, D. W., see Ratti, J. T., —, and F. C. Robards
- Tolchin, V., Distribution and ecology of the Marsh Sandpiper in central Siberia 287(r)
- Tolhurst, B. E., and M. A. Vince, Sensitivity to odours in the embryo of the domestic fowl 285(r)
- Tracy, D., see Schamel, D., and —
- Trauger, D. L., and R. G. Bromley, Additional bird observations on the West Mirage Islands, Great Slave Lake, Northwest Territories 383(r)

- Turek, F. W., J. P. McMillan, and M. Menaker, Melatonin-Effects on the circadian locomotor rhythm of Sparrows 291(r)
- Vince, M. A., see Tolhurst, B. E., and —
- Voistvenskii, M., A. Petrushenk, and V. Boyarchuk, Trophic relations of the Rook in Steppe biomes 293(r)
- Voronin, N., A comparative study of the digestive organs of the Corvidae 183(r)
- Voronin, R., The mortality factor in the Willow Ptarmigan population of Bolshezemelsk Tundra 284(r)
- Vulture, Turkey, see *Cathartes aura*
- Walcott, C., and R. P. Green, Orientation of homing pigeons altered by a change in direction of an applied magnetic field 175(r)
- Warham, J., see Serventy, D. L., V. Serventy, and —
- Warner, D. W., see Rappole, J. H., and —
- Waterthrush, Louisiana, see *Seiurus motacilla*
- Wather, J., see Grau, C. R., T. Randybush, J. Dobbs and —
- Weekes, F. M., Bald Eagle nesting attempts in southern Ontario in 1974 284(r)
- Weidoff, P. M., see Entriikin, R. K., K. L. Swanson, —, G. T. Patterson, and B. W. Wilson
- WEIGHTS**  
**Canada Geese 354-357**
- Weir, R. D., and F. Cooke, Autumn migration of shorebirds in the Kingston area of Ontario 1964-1974 373(r)
- Wetmore, A., see Olson, S. L., and —
- Wickler, W., see Seibt, V., and —
- Williams, L. E., Jr., see Nesbitt, S. A., M. J. Fogarty, and —
- Williams, T. C., P. Berkeley, and V. Harris, Autumnal Migration over Miami Studied by Radar: A Possible Test of the Wind Drift Hypothesis 1-10
- Wilson, B. W., see Entriikin, R. K., K. L. Swanson, P. M. Weidoff, G. T. Patterson, and —
- Wilson, N., Ectoparasites found in the Nest Cavities of Pileated Woodpeckers in Oregon 171-173
- Wiltshcko, W., R. Wiltshcko, and W. T. Keeton, Effects of a "permanent" clock shift on the orientation of young homing pigeons 282-283
- Wiltshcko, R., see Wiltshcko, W., —, and W. T. Keeton
- Winters, R., see Osborne, D. R., and —
- Wiseman, A. J., Interrelation of Variables in Postjuvinal Molt of Cardinals 206-223
- Wishart, R. A., Some Features of Breeding and Migration of Woodcock in Southwestern Quebec 337-340
- Wojtusiak, R., and Z. Majlert, Ethological and ecological analysis of animal behavior during an eclipse of the sun 178-179(r)
- Wolf, L. L., see Hainsworth, F. R., and —
- Woodcock, see *Philohlla minor*
- Wood-Gush, D. G. M., see Gilbert, A. B. and —
- Wormell, P., The Manx Shearwaters of Rhum 180(r)
- Yankhontov, V., The specific distinction of Naumann's Thrush 293(r)
- Yunick, R. P., Timing of Completion of Skull Pneumatization in the Pine Siskin 67-71
- Zach, R., see Gibson, A. R., M. A. Gates, and —
- Zimmerman, E. G., see Smith, J. K., and —
- Zubakin, V., Individual recognition problems in gulls 179(r)