

INDEX TO VOLUME 28

BY ELISE VERNON SCHMIDT

The index includes references to genera, species, common names, key words, and authors. Reference is also made to book reviews, dissertation abstracts, meeting abstracts, letters, and reviewers. Taxa other than raptors are included where referenced by the authors.

A

Abstracts of the 1993 Annual Meeting, 45–71

Abundance, 220–225

Acanthocephala, 34–38

Accipiter cooperi, 1–3

gentilis, 84–92

striatus, 1–3

Anderson, David I.K., see Petty, Steve J.

Antipredator, 93–99

Aquila chrysaetos, 268–273

Aso otus, 253–258, 265–268

Azkona, Paz, see Fernanadez, Carmelo

B

Baja California, 110–112

Banding, 213–219

Barbieri, Francesco, see Bogliani, Giuseppe

Bednarz, James C., see Steenhof, Karen

Behavior, 100–107

Behavioral ecology, 100–107

Bennett, Gordon F., see Forrester, Donald J.

Bibles, Erin L., see Boal, Clint W.

Bird, David M., see Morneau, Francois

Bird, David M., see Brodeur, Serge

Bird selection, 246–252

Blanco, Guillermo, Seasonal abundance of black kites associated with the rubbish dump of Madrid, Spain, 242–245

Boal, Clint W., Erin L. Bibles and Raymond E. Brown, Unusual parental behaviors by male northern goshawks, 120–121

Bogliani, Giuseppe, Francesco Barbieri and Eugenio Tiso, Nest-site selection by the hobby (*Falco subbuteo*) in poplar plantations in northern Italy, 13–18

Bone digestion, 73–78

Book reviews, 199–203, 276–280

Bortolotti, Gary R., Effect of nest-box size on nest-site preference and reproduction in American kestrels, 127–133

Botelho, Eugene S., A review of *The Mississippi Kite: Portrait of a Southern Hawk*, by Eric G. Bolen and Dan Flores, 199–200

Bow net, 268–273

Bowerman, William Wesley IV, Regulation of bald eagle

(*Haliaeetus leucocephalus*) productivity in the Great Lakes Basin: An ecological and toxicological approach (Dissertation abstract), 123

Breeding, 39–42

ecology, 149–153

success, 13–18, 154–157

Brodeur, Serge, Francois Morneau, Robert Décarie, Juan J. Negro and David M. Bird, Breeding density and brood size of rough-legged hawks in northwestern Quebec, 259–262

Brodeur, Serge, see Morneau, Francois

Brown, Raymond E., see Boal, Clint W.

Bubo virginianus, 164–170

Bustamante, Javier, Behavior of colonial common kestrels (*Falco tinunculus*) during the post-fledging dependence period in southwestern Spain, 79–83

Bustamante, Javier and Juan José Negro, The post-fledging dependence period of the lesser kestrel (*Falco naumanni*) in southwestern Spain, 158–163

Buteo buteo, 100–107

lagopus, 259–262

C

Canadian Arctic, 4–8

Canova, Luca, see Galeotti, Paolo

Captivity, 100–107

Capture techniques, 268–273

Carpenter, George P., see Steenhof, Karen

Carrière, Suzanne, see Morneau, Francois

Castellanos, Aradit, Federico Salinas-Zavala and Alfredo Ortega-Rubio, Status and reproduction of the peregrine falcon at a coastal lagoon in Baja California Sur, Mexico, 100–112

Chaplin, Susan B., see Knuth, Shannon T.

Chaviez-Ramirez, Felipe and Felipe G. Prieto, Effects of prescribed fires on habitat use by wintering raptors on a Texas barrier island grassland, 262–265

Circaetus gallicus, 39–42

Circus aeruginosus, 23–26

cyanescens, 262–265

pygargus, 19–22

Clark, William S., see Farquhar, C. Craig

Clark, William S., A review of *The Black Eagle: A Study*, by Valerie Gargett, 277–278

Clark, William S., A review of *Birds of Prey*, by Floyd Scholz, 278-279
 Clutch size, 1-3
 Coello, Monica, see Farquhar, C. Craig
 Color-marking, 213-219
 Colorado, 43-44
 Copsey, Jamieson A., see Houston, David C.
 Corona, Carlo Vittorio, see Csermely, Davide
 Cousineau, Elmer, see Ewins, Peter J.
 Creatine kinase, 27-33
 Crompton, D.W.T., see McInnes, F.J.
 Csermely, Davide and Carlo Vittorio Corona, Behavior and activity of rehabilitated buzzards (*Buteo buteo*) released in northern Italy, 100-107

D

Décarie, Robert, see Morneau, Francois
 Décarie, Robert, see Brodeur, Serge
 Diet, 246-252, 265-268
 composition, 253-258
 Dispersal, 100-107, 158-163
 Dissertation abstracts, 123-124
 Doody, J. Sean, Winter roost-site use by female American kestrels (*Falco sparverius*) in Louisiana, 9-12
 Driscoll, Daniel E., see Jackman, Ronald E.

E

Eagle, bald, 113-114, 205-212, 213-219, 268-273
 golden, 220-225, 236-241, 268-273
 short-toed, 39-42
 Eakle, Wade L., A raptor roadside survey in western Turkey and eastern Greece, 186-191
 Ectoparasites, 232-235
 England, 149-153
 Ewald, J.A., see McInnes, F.J.
 Ewins, Peter J. and Elmer Cousineau, Ospreys (*Pandion haliaetus*) scavenging fish on ice, 120
 Exercise, 27-33
 Experimental validity, 143-148

F

Falco peregrinus, 110-112
 naumanni, 158-163
 rusticolus, 4-8
 sparverius, 9-12, 194-196, 262-265
 subbuteo, 13-18
 tinnunculus, 79-83
 Falcon, peregrine, 110-112
 Falconiformes, 226-231
 Farm habitat, 164-170
 Farmer, Chris A., see Stohlgren, Thomas J.
 Farquhar, C. Craig, William S. Clark, Robert G. Wright and Monica Coello, First record of interspecific cartwheeling between large raptors: *Buteo poecilochrous* and *Geranoaetus melanoleucus*, 274-275
 Fernández, Carmelo and Paz Azkona, Sexual differences

in conspecific territorial defense of marsh harriers (*Circus aeruginosus*), 23-26
 Ferns, Peter N. and Shelley A. Hinsley, Effects of raptors on the activity of sandgrouse, 236-241
 Fire, 262-265
 Fledging, 79-83, 158-163
 Florida, 226-231
 Food habits, 39-42, 84-92, 265-268
 technique, 192-193
 Forest age structure, 205-212
 demography, 205-212
 habitat, 164-170
 Forrester, Donald J., Sam R. Telford, Jr., Garry W. Foster and Gordon F. Bennett, Blood parasites of raptors in Florida, 226-231
 Foster, Garry W., see Forrester, Donald J.
 Franklin, Alan B., see Hunter, John E.
 Franson, J. Christian, Parathion poisoning of Mississippi kites in Oklahoma, 108-109

G

Galeotti, Paolo and Luca Canova, Winter diet of long-eared owls (*Asio otus*) in the Po Plain (northern Italy), 265-268
 Gehlbach, Frederick R., Coordinator, A symposium on using nest boxes to study raptors: do the boxes provide virtual reality? 125-126
 Gehlbach, Frederick R., Nest-box versus natural-cavity nests of the eastern screech-owl: an exploratory study, 154-157
 Goodrich, Laurie, see Powers, Lauren V.
 Goshawk, 84-92
 Great Britain, 34-38
 Greece, 39-42, 186-191
 Gutiérrez, R.J., see Hunter, John E.
Gypaetus barbatus, 73-78
 Gyrfalcon, 4-8

H

Habitat, 259-262
 bald eagle, 205-212
 characteristics, 164-170
 selection, 13-18
 use, 262-265
 Hacking, 19-22
Haliaeetus leucocephalus, 205-212, 213-219, 268-273
 Harrier, marsh, 23-26
 Montagu's, 236-241
 northern, 262-265
 Hawks, 100-107
 Hawk, Cooper's, 1-3
 red-tailed, 27-33
 rough-legged, 259-262
 sharp-shinned, 1-3, 178-185
 Hematology, 178-185

- Hemoparasites, 178–185, 226–231
 Hinsley, Shelley A., see Ferns, Peter N.
 Hobby, 13–18
 Houston, David C. and Jamieson A. Copsey, Bone digestion and intestinal morphology of the bearded vulture, 73–78
 Hudson Bay, 220–225, 259–262
 Human-altered habitats, 149–153
 Hunt, W. Grainger, see Jackman, Ronald E.
 Hunter, John E., R.J. Gutierrez, Alan B. Franklin and David Olson, Ectoparasites of the spotted owl, 232–235

I

- Icosta americana*, 232–235
Ictinia mississippiensis, 108–109
 Idaho, 194–196
 In memoriam: Richard R. Olendorff, 1943–1994, 204
 Intestinal morphology, 73–78
 Italy, 13–18, 265–268

J

- Jackman, Ronald E., W. Grainger Hunt, Daniel E. Driscoll and Frank J. Lapansky, Refinements to selective trapping techniques: a radio-controlled bow net and power snare for bald and golden eagles, 268–273
 Jenkins, Andrew R. and Anthony J. van Zyl, Flush-hunting and nest robbing by peregrine falcons, 118–119
 Jenkins, M. Alan, see Mulhern, Daniel W.
 Johnson, Paul N., Selection and use of nest sites by barn owl in Norfolk, England, 149–153
 Juvenile independence, 171–177

K

- Kansas, 113–114
 Kestrel, American, 9–12, 127–133, 194–196, 262–265
 common, 79–83
 lesser, 158–163
 Kite, black 171–177, 242–245
 Mississippi, 108–109
 Knittle, C. Edward and Mark A. Pavelka, Hook and loop tabs for attaching a dho-gaza, 197–198
 Knuth, Shannon T. and Susan B. Chaplin, The effect of exercise on plasma activities of lactate dehydrogenase and creatine kinase in red-tailed hawks (*Buteo jamaicensis*), 27–33

- Koga, Kimiya and Satoshi Shiraishi, Parent-offspring relations during the post-fledging dependency period in the black kite (*Milvus migrans*) in Japan, 171–177
 Kritz, Kevin J., see Wiggers, Ernie P.
Kurodaia magna, 232–235

L

- Lactate dehydrogenase, 27–33
 Lapansky, Frank J., see Jackman, Ronald E.

- Laybourne, Roxie C., see Sabo, Beth Ann
 Lehman, Robert, In memoriam, Richard R. Olendorff, 1943–1994, 204
 Letters, 118–122, 197–198, 274–275
 Linkhart, Brian D. and Richard T. Reynolds, *Peromyscus* carcass in the nest of a flammulated owl, 43–44
 Louisiana, 9–12
 Lures, 115–117

M

- Mabie, David W., M. Todd Merendino and David H. Reid, Dispersal of bald eagles fledged in Texas, 213–219
 MacDonald, J., Bald eagle attacks adult osprey, 122
 Madrid, 242–245
 Mañosa, Santi, Goshawk diet in a mediterranean area of northeastern Spain, 84–92
 Marks, Jeff, A review of *Barn Owls: Predator-Prey Relationships and Conservation*, by Iain Taylor, 201–203
 Marks, Jeff, A review of *Raptor Conservation Today*, edited by B.-U. Meyburg and R.D. Chancellor, 279
 McInnes, F.J., D.W.T. Crompton and J.A. Ewald, The distribution of *Centrorhynchus aluconis* (Acanthocephala) and *Porrocaecum spirale* (Nematoda) in tawny owls (*Strix aluco*) from Great Britain, 34–38
 Mediterranean, 84–92

Merendino, M. Todd, see Mabie, David W.

- Mexico, 110–112
 Migration, 178–185, 213–219
Milvus migrans, 171–177, 242–245
 Missouri, 1–3
 Mist nets, 194–196
 Möller, Anders Pape, Facts and artefacts in nest-box studies: implications for studies of birds of prey, 143–148
 Morneau, Francois, Serge Brodeur, Robert Décarie, Suzanne Carrière and David M. Bird, Abundance and distribution of nesting golden eagles in Hudson Bay, Québec, 220–225

- Morneau, Francois, see Brodeur, Serge
 Morrell, Thomas E. and Richard H. Yahner, Habitat characteristics of great horned owls in southcentral Pennsylvania, 164–170
 Mulhern, Daniel W., Michael A. Watkins, M. Alan Jenkins and Steve K. Sherrod, Successful nesting by a pair of bald eagles at ages three and four, 113–114

N

- Natural cavities, 143–148
 Negro, Juan José, see Brodeur, Serge
 Negro, Juan José, see Bustamante, Javier
 Nematoda, 34–38
 Nest, 259–262
 boxes, 127–133, 134–142, 143–148, 149–153, 154–157
 defense, 93–99
 predation, 143–148
 site, 127–133

Nest-site selection, 13–18
use, 154–157

Nesting, 1–3, 110–112, 113–114

O

Obst, Joachim, Tree nesting by the gyrfalcon (*Falco rusticolus*) in the western Canadian Arctic, 4–8

Olson, David, see Hunter, John E.

Ornithoica vicina, 232–235

Ortega-Rubio, Alfredo, see Castellanos, Aradit

Otus asio, 93–99, 154–157

flammeolus, 43–44

Owl, barn 134–142, 149–153

 eastern screech, 93–99, 154–157

 flammulated, 43–44

 great horned, 164–170

 long-eared, 253–258, 265–268

 spotted, 232–235

 tawny, 34–38, 115–117, 134–142, 246–252

P

Papageorgiou, Nikolaos K., see Vlachos, Christos G.

Parasitism, 34–38, 143–148

Parathion, 108–109

Parental care, 171–177

Pavelka, Mark A., see Knittle, C. Edward

Petty, Steve J., Geoff Shaw and David I.K. Anderson,
Value of nest boxes for population studies and con-
servation of owls in coniferous forests in Britain, 134–
142

Plasma enzymes, 27–33

Play, 79–83

Plumage, 113–114

Poisoning, 108–109

Pokras, Mark, see Powers, Lauren V.

Pomarol, Manel, Releasing Montagu's harrier (*Circus py-
gargus*) by the method of hacking, 19–22

Poplar plantations, 13–18

Population, 127–133

Post-fledging, 158–163

 dependence period, 79–83, 171–177

Power snare, 268–273

Powers, Lauren V., Mark Pokras, Kim Rio, Cathy Viv-
erette and Laurie Goodrich, Hematology and occur-
rence of hemoparasites in migrating sharp-shinned
hawks (*Accipiter striatus*) during fall migration, 178–
185

Predation, 43–44

Preparation for feather identification, 192–193

Prevalence, 226–231

Prey analysis, 192–193

 size, 253–258

 size selection, 246–252

Prieto, Felipe G., see Chavez-Ramirez, Felipe

Pterocles alchata, 236–241
orientalis, 236–241

Q

Québec, 220–225

R

Raptors, 226–231

Raptor disturbance, 236–241

 roadside survey, 186–191

Redpath, S.M. and I. Wyllie, Traps for capturing terri-
torial owls, 115–117

Referees for 1993, 72

Rehabilitation, 27–33, 100–107

Reid, David H., see Mabie, David W.

Relative abundance, 186–191

Releasing, 19–22

Reproduction, 4–8, 127–133, 220–225, 259–262

Reynolds, Richard T., see Linkhart, Brian D.

Rio, Kim, see Powers, Lauren V.

Ritchison, Gary, see Sproat, Thomas McKell

Roost site, 9–12

Rubbish dump, 242–245

S

Sabo, Beth Ann and Roxie C. Laybourne, Preparation of
avian material recovered from pellets and as prey re-
mains, 192–193

Salinas-Zavala, Federico, see Castellanos, Aradit

Sandgrouse, 236–241

Seasonal abundance, 242–245

 variation, 253–258

Sexual differences, 23–26

Shaw, Geoff, see Petty, Steve J.

Sheffield, Steven R., Cannibalism of a young barn owl
(*Tyto alba*) by its parents, 119–120

Sherrod, Steve K., see Mulhern, Daniel W.

Shiraishi, Satoshi, see Koga, Kimiya

Slovenia, 253–258

Spain, 23–26, 84–92, 242–245

Sproat, Thomas McKell and Gary Ritchison, The anti-
predator vocalizations of adult eastern screech-owls,
93–99

Steenhof, Karen, George P. Carpenter and James C. Bed-
narz, Use of mist nets and a live great horned owl to
capture breeding American kestrels, 194–196

Stohlgren, Thomas J. and Chris A. Farmer, Reevaluating
delineated bald eagle winter roost habitat in Lava Beds
National Monument, California, 205–212

Stress, 178–185

Strigiformes, 226–231

Strix syrnii, 232–235

Strix aluco, 34–38, 115–117, 134–142

occidentalis, 232–235

Subadult, 113–114

Survey, 259–262
Survival, 213–219

T

- Techniques, 194–196
Telford, Sam R., Jr., see Forrester, Donald J.
Territorial behavior, 115–117
Territoriality, 23–26
Texas, 213–219, 262–265
Tiso, Eugenio, see Bogliani, Giuseppe
Tome, Davorin, Diet composition of the long-eared owl in central Solvenia: seasonal variation in prey use, 253–258
Trapping, 115–117, 194–196
Tree-cavity nests, 154–157
Tree nesting, 4–8
Turkey, 186–191
Tyto alba, 134–142, 149–153

U

Urban and rural area, 246–252

V

- Vigilance, 236–241
Viverette, Cathy, see Powers, Lauren V.
Vlachos, Christos G. and Nikolaos K. Papageorgiou, Diet, breeding success, and nest-site selection of the short-

- toed eagle (*Circaetus gallicus*) in northeastern Greece, 39–42
Vocalizations, 93–99
Vulture, bearded, 73–78

W

- Watkins, Michael A., see Mulhern, Daniel W.
White, Clayton M., A review of *Las Rapaces Ibericas*, by J.L.G. Grande and F. Hiraldo, 200–201
White, Clayton M., A review of *The Peregrine Falcon*, by Derek Ratcliffe, 276–277
Wiebe, Karen L., Facultative manipulation of hatching asynchrony in the American kestrel (*Falco sparverius*) (Dissertation Abstract), 123–124
Wiggers, Ernie P., Productivity and nesting chronology of the Cooper's hawk and sharp-shinned hawk in Missouri, 1–3
Winter, 9–12
Wright, Robert G., see Farquhar, C. Craig
Wyllie, I., see Redpath, S.M.

Y

- Yahner, Richard H., see Morrell, Thomas E.

Z

- Zalewski, Andrzej, Diet of urban and suburban tawny owls (*Strix aluco*) in the breeding season, 246–252
Zyl, Anthony J. van, see Jenkins, Andrew R.