

INDEX TO VOLUME 29

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, reviewers and instructions to authors. Taxa other than raptors are included where referenced by the authors.

A

Abstracts of the 1994 Annual Meeting, 41–74

Accipiter cooperi, 1–4
 gentilis, 5–9, 267–269
 gularis, 267–269

Aerodynamic model, 85–92

Affeldt, Joelle L., see Rosenfield, Robert N.

Agostini, Nicolantonio and Daniela Logozzo, Autumn migration of honey buzzards in southern Italy, 275–277

Agriculture, 172–178

Alfalfa, 172–178

Amadon, Dean, A review of *The Vultures of Africa* by Peter Mundy, 37

Andersen, David E., Productivity, food habits, and behavior of Swainson's hawks breeding in southeast Colorado, 158–165

Andersen, David E., see Plumpton, David L.

Arizona, 277–279

Argentina, 202–204

Asia, 15–25

Asio otus, 277–279

B

Babcock, Keith W., Home range and habitat use of breeding Swainson's hawks in the Sacramento Valley of California, 193–197

Baja California, 30–31

Barba, Emilio, see Gil-Delgado, Jose A.

Barnes, Larry J. and Robin R. Garwood, Peregrine falcon takes a fish in Idaho, 283–284

Baticón, Alejandro Honrubia, see Cardenal, Alvaro Camiña

Beckmann, David J., see Rosenfield, Robert N.

Behavior, 93–98, 103–109

Berry, John D. and Charles J. Henny, Osprey polygyny in Wyoming, 279–281

Bielefeldt, John, see Rosenfield, Robert N.

Bloom, Peter H., A review of *A Photographic Guide to North American Raptors* by Brian K. Wheeler and William S. Clark, 286

Bloom, Peter H., see Woodbridge, Brian

Bolen, Eric G., Further evidence of nesting adaptability in osprey: nest atop a 61 meter television tower, 284–285

Book reviews 37–40, 148–149, 215–221, 286–289

Breeding, 210–213

 chronology, 110–116

Bretagnolle, Vincent, see Thibault, Jean-Claude

British Columbia, 26–29

Brown, Nikolle L., Notes on the winter roost and diet of long-eared owls in the Sonoran Desert, 277–279

Bubo virginianus, 151–157, 245–249

Bustamante, Javier, see Hiraldo, Fernando

Buteo albonotatus, 110–116

buteo, 103–109

jamaicensis, 99–102, 141–143

regalis, 99–102, 141–143

swainsoni, 99–102, 141–143, 158–165, 172–178, 179–186, 187–192, 193–197, 198–201, 202–204

Buzzard, honey, 275–277

C

California, 179–186, 210–213

Canada, 198–201

Candler, Grady L. and Patricia L. Kennedy, Flight strategies of migrating osprey: fasting vs. foraging, 85–92

Cardenal, Alvaro Camiña, Alejandro Honrubia Baticón and Alfonso Senosiain, Attacks on livestock by Eurasian griffons in northern Spain, 214

Carey, Andrew B. and Kevin C. Peeler, Spotted owls. resource and space use in mosaic landscapes, 223–239

Castro, Sergio A. and Fabian M. Jakšić, Great horned and barn owls prey differentially according to the age/size of a rodent in northcentral Chile, 245–249

Checklist for preparation of manuscripts, 291–293

Chile, 245–249, 250–255

Clark, William S., A review of *Handbook of Australian, New Zealand and Antarctic Birds, Volume 2* edited by Stephen Marchant and Peter J. Higgins, 288–289

Codina, Jordi, see Mañosa, Santi

Colorado, 5–9, 158–165

Commentary, 145–147

Corsica, 204–207

Coulson, Jennifer O. and Thomas D. Coulson, Group hunting by Harris' hawks in Texas, 265–267

Coulson, Thomas D., see Coulson, Jennifer O.

Crowe, Dorothy E., see Kennedy, Patricia L.

D

- Danilson, Christopher D., see Garcelon, David K.
 Dean, Tylan F., see Kennedy, Patricia L.
 Dekker, Dick, Prey capture by peregrine falcons wintering on southern Vancouver Island, British Columbia, 26-29.
 Density, 172-178
 Diet, 110-116, 207-210, 277-279
 sex-specific, 137-140
 Dispersal, 187-192
 Dissertation abstracts, 77-78
 Distribution, 30-31
 Dobkin, David S., see Laidig, Kim J.
 Dominici, Jean Marie, see Thibault, Jean-Claude
 Donázar, José Antonio, see Hiraldo, Fernando
 Donázar, José Antonio, see Rodriguez-Estrella, Ricardo
 Downing, Dennis I., see Plumpton, David L.

E

- Eagle, bald, 10-14, 210-213
 Bonelli's, 273-275
 Eakle, Wade L., Lesser kestrels or not-a response to Hiraldo et al., 146-147
 Elat, 127-134
Elanus leucurus, 30-31
 Ellis, David H., What is *Falco altaicus* Menzbier?, 15-25
 Enderson, James H., A review of *City Peregrines: A Ten-Year Saga of New York City Falcons*, by Saul Frank, 39-40
 Enderson, James H., Jon Larrabee, Zach Jones, Chris Peper and Chris Lepisto, Behavior of peregrines in winter in south Texas, 93-98
 England, A. Sidney, James A. Estep and Waldo R. Holt, Nest-site selection and reproductive performance of urban-nesting Swainson's hawks in the central valley of California, 179-186
 Estep, James A., see England, A. Sidney
 Estimation, 256-264

F

- Falco altaicus*, 15-25
peregrinus, 26-29, 207-210, 256-264
sparverius, 123-126, 135-137
tinnunculus, 240-244
 Falcon, Altay, 15-25
 peregrine, 26-29, 93-98, 207-210, 256-264
 Falcons, 117-122
 Fat deposition, 85-92
 Finley, Karen K., see Woodbridge, Brian
 Flake, Lester D., see Hansen, Richard W.
 Fledgling production, 240-244
 Florida, 117-122
 Food habits, 10-14, 158-165, 166-171
 Foraging ecology, 193-197
 Forrester, Donald J., see Kinsella, John M.

Foster, Garry W., see Kinsella, John M.

- Franklin, Alan B., A review of *The Wisdom of the Spotted Owl: Policy Lessons for a New Century* by Steven Lewis Yaffee, 218-221

Fuller, Mark R., see Gould, William R.

G

- Gallo, Alain, see Hubert, Christine
 Garcelon, David K., Gary L. Slater, Christopher D. Danilson and Roger C. Helm, Cooperative nesting by a trio of bald eagles, 210-213
 Garwood, Robin R., see Barnes, Larry J.
 Gerstell, Arnold T. and Charles H. Trost, Fall concentrations of buteos near the continental divide: a twenty-year summary, 99-102
 Gil-Delgado, José A., José Verdejo and Emilio Barba, Nestling diet and fledgling production of Eurasian kestrels (*Falco tinnunculus*) in eastern Spain, 240-244
 Goshawk, northern, 5-9, 267-269
 Gould, William R. and Mark R. Fuller, Survival and population size estimation in raptor studies: a comparison of two methods, 256-264
 Group hunting, 265-267
 Growth, 273-275
 Gubanich, Alan A., see Sarno, Ronald J.
 Gutierrez, Julio R., see Silva, Sergio I.
 Gyrfalcon, 15-25

H

- Habitat, 110-116
 degradation, 166-171
 use, 193-197
Haliaeetus leucocephalus, 10-14, 210-213
 Hansen, Richard W., Thesis abstract: Raptor Use of the Idaho National Engineering Laboratory, 76
 Hansen, Richard W. and Lester D. Flake, Nest structure cohabitation by raptors in southeastern Idaho, 32-34
 Hansen, Richard W. and Lester D. Flake, Ecological relationships between nesting Swainson's and red-tailed hawks in southeastern Idaho, 166-171
 Hawk, Cooper's, 1-4
 ferruginous, 99-102, 141-143
 Harris', 265-267
 red-tailed, 99-102, 141-143, 166-171
 Swainson's, 32-34, 99-102, 141-143, 158-165, 166-171, 172-178, 179-186, 187-192, 193-197, 198-201, 202-204
 zone-tailed, 110-116
 Hawks, 117-122
 Helm, Roger C., see Garcelon, David K.
 Helminths, 117-122
 Henny, Charles J., see Berry, John D.
Hieraetus fasciatus, 273-275
 Hiraldo, Fernando see Rodriguez-Estrella, Ricardo
 Hiraldo, Fernando, Javier Bustamante and Jose A. Doñ-

- azar, On raptor roadside surveys in western Turkey and eastern Greece, 145
 Holt, Denver W., A review of *Flammulated, Boreal, and Great Gray Owls in the United States: A Technical Conservation Assessment* edited by Gregory D. Hayward and Jon Verner, 286–288
 Holt, Waldo R., see England, A. Sidney
 Home range, 158–165, 193–197, 223–239
 Houston, C. Stuart and Josef K. Schmutz, Declining reproduction among Swainson's hawks in prairie Canada, 198–201
 Houston, C. Stuart, Thirty-two consecutive years of reproductive success at a ferruginous hawk nest, 282–283
 Hubert, Christine, Alain Gallo and Gilles le Pape, Modification of parental behavior during the nesting period in the common buzzard (*Buteo buteo*), 103–109

I

- Idaho, 32–34, 166–171
 Ikeda, Sho, see Masaoki, Takagi
 Incubation period, 103–109
 Index to Volume 28, 79–83
 Index to Volume 29, 294–298
 Information for contributors, 290
 Israel, 127–134

J

- Jacobs, Eugene A., American kestrel reproduction and dispersal in central Wisconsin, 135–137
 Jaksic, Fabian M., see Castro, Sergio A.
 Jaksic, Fabian M., see Silva, Sergio I.
 Jenkins, J. Mark and Robert W. Risebrough, Chronic reproductive failures at a bald eagle (*Haliaeetus leucocephalus*) nesting territory in northern California, 35
 Johansson, Carl A. and Clayton M. White, An American kestrel captures a white-throated swift in flight, 284
 Jolly-Seber, 256–264
 Jones, Zach, see Enderson, James H.

K

- Kennedy, Patricia L., see Candler, Grady L.
 Kennedy, Patricia L., Dorothy E. Crowe and Tylan F. Dean, Breeding biology of the zone-tailed hawk at the limit of its distribution, 110–116
 Kestrel, American, 32–34, 123–126, 135–137
 Eurasian, 240–244
 Kinsella, John M., Garry W. Foster and Donald J. Forrester, Parasitic helminths of six species of hawks and falcons in Florida, 117–122
 Kite, white-tailed, 30–31
 Klepto-parasitism, 26–29
 Korpiämäki, Erkki, A review of *Ecology of Boreal Owls in the Northern Rocky Mountains, U.S.A.*, by Gregory D. Hayward, 148–149.
 Kristiansen, Erlend, see Overskaug, Kristian

L

- Laidig, Kim J. and David S. Dobkin, Spatial overlap and habitat associations of barred owls and great horned owls in southern New Jersey, 151–157
 Larrabee, Jon, see Enderson, James H.
 Laying date, 240–244
 Lazo, Ivan, see Silva, Sergio I.
 le Pape, Gilles, see Hubert, Christine
 Lepisto, Chris, see Enderson, James H.
 Letters, 35–36, 144, 214, 282–285
 Lockhart, J. Michael, see Plumpton, David L.
 Logozzo, Daniela, see Agonstini, Nicolantonio

M

- Mabie, David W., M. Todd Merendino and David H. Reid, Prey of nesting bald eagles in Texas, 10–14
 MacWhirter, R. Bruce, Dissertation abstract: Offspring Sex Ratio, Mortality and Relative Provisioning of Daughters and Sons in the Northern Harrier, 78
 Mammal fluctuation, 250–255
 Mañosa, Santi, Joan Real and Jordi Codina, Age estimation and growth patterns in nestling Bonelli's eagles, 273–275
 Mark-recapture, 187–192
 Marks, Jeffrey S., Ed. of Book reviews, 37–40, 148–149, 215–218, 286–289
 McGillivray, W. Bruce, A review of *Trends in Geographic Variation of Cooper's Hawk and Northern Goshawk in North America: A Multivariate Analysis* by Wayne W. Whaley and Clayton M. White, 38–39
 Mediterranean, 204–207
 ecosystem, 245–249
 Merendino, M. Todd, see Mabie, David W.
 Meserve, Peter L., see Silva, Sergio I.
 Methodology, 207–210
 Migration, 99–102, 127–134, 202–204, 275–277
 strategies, 85–92
 Murphy, Robert K., Dissertation abstract: History, Nesting Biology, and Predation Ecology of Raptors in the Missouri Coteau of Northwestern North Dakota, 77

N

- Natal dispersal, 135–137
 Nest area reoccupancy, 1–4
 box, 135–137
 cohabitation, 32–34
 helpers, 210–213
 site, 10–14
 site selection, 179–186
 sites, 269–272
 Nesting, 166–171
 density, 1–4
 Nestling diet, 240–244
 period, 103–109
 predation, 267–269

New Mexico, 110–116
Norway, 137–140

O

Optimal foraging, 223–239
Oregon, 223–229
Orientation, 275–277
Oro, Daniel and José L. Tella, A comparison of two methods for studying the diet of the peregrine falcon, 207–210
Osprey, 85–92, 204–207, 279–281
Overskaug, Kristian, Erlend Kristiansen and Peter Sunde, Sex-specific diet analysis of the tawny owl (*Strix aluco*) in Norway, 137–140
Owl, barn, 245–249
barred, 151–157
burrowing, 250–255
great horned, 151–157, 245–249
long-eared, 32–34, 277–279
spotted, 223–239
tawny, 137–140

P

Pandion haliaetus, 85–92, 204–207, 279–281
Parabuteo unicinctus, 265–267
Parasites, 117–122
Parental care, 103–109
Peeler, Kevin C., see Carey, Andrew B.
Peper, Chris, see Enderson, James H.
Pernis apivorus, 275–277
Phyllostis darwini, 245–249
Plumpton, David L., Dennis I. Downing, David E. Andersen and J. Michael Lockhart, A new method of capturing buteonine hawks, 141–143
Polygyny, 279–281
Population demography, 187–192
dynamics, 198–201
monitoring, 1–4
recovery, 204–207
size, 204–207, 256–264
Predator selectivity, 245–249
Prey, 10–14
activity, 123–126
capture, 26–29
delivery, 103–109
selection, 123–126
size, 123–126
vulnerability, 245–249
Productivity, 110–116

R

Radiotelemetry, 93–98
Range expansion, 279–281
Raptors, 127–134
Real, Joan, see Mañosa, Santi
Referees for 1994, 75
Reid, David H., see Mabie, David W.

Reoccupancy, 135–137
Reproduction, 103–109, 135–137, 158–165
Reproductive decline, 198–201
success, 179–186
Response, functional 250–255
numerical, 250–255
Risebrough, Robert W., see Jenkins, J. Mark
Ritchison, Gary, A review of *The Eastern Screech Owl: Life History, Ecology, and Behavior in the Suburbs and Countryside* by Frederick R. Gehlbach, 215–218
Road survey, 172–178
trapping, 141–143
Rodriguez-Estrella, Ricardo, José Antonio Donázar and Fernando Hiraldo, Additional records of white-tailed kites in Baja California Sur, Mexico, 30–31
Rodriguez-Estrella, Ricardo, José Antonio Donázar and Fernando Hiraldo, Fishermen and their gear may threaten bald eagles at Magdalena Bay, B.C.S., Mexico, 144
Rosenfield, Robert N., John Bielefeldt, Joelle L. Affeldt and David J. Beckmann, Nesting density, nest-area reoccupancy, and monitoring implications for Cooper's Hawks in Wisconsin, 1–4
Ruggiero, Leonard F., see Squires, John R.

S

Sacramento Valley, 172–178
Saker, 15–25
Sarcoramphus papa, 269–272
Sarno, Ronald J. and Alan J. Gubanich, Prey selection by wild American kestrels: the influence of prey size and activity, 123–126
Schlee, Marsha A., Nest records for the king vulture (*Sarcoramphus papa*) in Venezuela, 269–272
Schmutz, Josef K., see C. Stuart Houston
Seager, S. Trent, see Woodbridge, Brian
Senosiain, Alfonso, see Cardenal, Alvaro Camiña
Sensitivity analysis, 85–92
Sexual dimorphism, 123–126
Siberia, 15–25
Silva, Sergio I., Ivan Lazo, Enrique Silva-Aranguiz, Fabian M. Jakšić, Peter L. Meserve and Julio R. Gutierrez, Numerical and functional response of burrowing owls to long-term mammal fluctuations in Chile, 250–255
Silva-Aranguiz, Enrique, see Silva, Sergio I.
Simple counts, 256–264
Slater, Gary L., see Garcelon, David K.
Smallwood, K. Shawn, Scaling Swainson's hawk population density for assessing habitat use across an agricultural landscape, 172–178
Sonoran Desert, 277–279
Space use, 223–239
Spain, 240–244, 273–275
Sparrowhawk, Japanese lesser, 267–269
Spatial overlap, 151–157

Speotyto cunicularia, 250–255

Spring 1994, 127–134

Squires, John R., Carrion use by northern goshawks, 283

Squires, John R., and Leonard F. Ruggiero, Winter movements of adult northern goshawks that nested in south-central Wyoming, 5–9

Stabins, Henning C., Peregrine falcon predation on an Aleutian Canada goose, 36

Strix aluco, 137–140
occidentalis, 223–239
varia, 151–157

Sunde, Peter, see Overskaug, Kristian

Survey, 127–134

Survival, 256–264

T

Takagi, Masaoki, Mutsuyuki Ueta and Sho Ikeda, Accipiters prey on nestling birds in Japan, 267–269

Tella, José L., see Oro, Daniel

Temporal overlap, 151–157

Territory occupancy, 187–192

Texas, 10–14, 93–98, 265–267

Thesis abstract, 76

Thibault, Jean-Claude, Vincent Bretagnolle and Jean-Marie Dominici, Recovery of a resident population of osprey on Corsica, 204–207

Trost, Charles H., see Gerstell, Arnold T.

Tyto alba, 245–249

U

Ueta, Mutsuyuki, see Takagi, Masaoki
 Urban nesting, 179–186

V

Venezuela, 269–272
 Verdejo, José, see Gil-Delgado, José A.
 Vocal responsiveness, 151–157
 Vulture, king, 269–272

W

White, Clayton M., see Johansson, Carl A.

Winter dispersion, 93–98
 movements, 5–9

Wintering, 26–29, 202–204

Woodbridge, Brian, Karen K. Finley and Peter H. Bloom, Reproductive performance, age structure, and natal dispersal of Swainson's hawks in the Butte Valley, California, 187–192

Woodbridge, Brian, Karen K. Finley and S. Trent Seager, An investigation of the Swainson's hawk in Argentina, 202–204

Wyoming, 5–9

Y

Yosef, Reuven, Spring 1994 raptor migration at Eilat, Israel, 127–134