

Multiple paternity in a wild population of Mallards (*Anas platyrhynchos*). SUSAN EVARTS, Bell Mus. Nat. Hist., Minneapolis, MN, and CHRIS WILLIAMS, Dep. Genet., Univ. Georgia, Athens.

IIB. FORAGING & SPACING

Susan Hannon, Chr.

- A test of mean/variance tradeoff predictions with foraging Bananaquits. JOSEPH M. WUNDERLE, Dep. Biol., Univ. Puerto Rico, Cayey, Puerto Rico.
- Field evaluation of correlates of optimal foraging. GODFREY R. BOURNE, Detroit Zoological Park, Royal Oak, MI.
- *Time minimization in territorial Willow Flycatchers. D. R. C. PRESCOTT, Dep. Zool., Univ. Guelph, Guelph, ON, Canada.
- *Foraging behavior and sexual dimorphism in Emerald Toucanets (*Aulacorhynchus prasinus*) in Costa Rica. CECILIA M. RILEY, Dep. Zool., Univ. Arkansas, Fayetteville.
- Optimal foraging: patch depletion by Ruddy Ducks (*Oxyura jamaicensis*). MICHAEL W. TOME, Sch. Nat. Resources, Univ. Michigan, Ann Arbor.
- Foraging patterns among kingbirds (*Tyrannus*): influences of weather and habitat. MICHAEL T. MURPHY, Dep. Life Sci., Indiana State Univ., Terre Haute.
- Acquisition of territories by floaters in cooperatively breeding Purple Gallinules. LAURIE A. HUNTER, Zool. Dep., Univ. Montana, Missoula, MT.
- Aggression and habitat segregation among diving ducks wintering in South Carolina. JAMES F. BERGAN and LOREN M. SMITH, Dep. Range & Wildl. Manage., Texas Tech Univ., Lubbock, and JOHN J. MAYER, Savannah River Ecol. Lab., Aiken, SC.
- Movements and site-fidelity of American Coots (*Fulica americana*) on their wintering grounds. I. LEHR BRISBIN, JR., Savannah River Ecol. Lab., Aiken, SC.
- Effects of group size on vigilance in Ostriches (*Struthio camelus*): antipredator strategy or mate competition. JOANNA BURGER, Dep. Biol. Sci., Rutgers Univ., Piscataway, NJ, and MICHAEL GOCHFELD, Environ. & Community Medicine, UMDNY-Rutgers Med. Sch., Piscataway, NJ.
- Evidence for resource-based communal roosting by starlings and Common Grackles. ALAN D. MACCARONE, Dep. Zool., Rutgers Univ., Newark, NJ.
- Consumption of algae by land birds. DOUGLAS A. JAMES and JOSEPH C. NEAL, Dep. Zool., Univ. Arkansas, Fayetteville.

IIC. COMMUNITY ECOLOGY

J. V. Remsen, Jr., Chr.

- Effects of sand shinnery oak control on meadowlark densities. CRAIG D. OLAWSKY and LOREN M. SMITH, Range & Wildl. Dep., Texas Tech Univ., Lubbock.
- Prey availability and the impact of birds on scale insects during winter. MICHAEL L. MORRISON, Dep. Forestry & Resource Mgmt., Univ. California, Berkeley, and DONALD L. DAHLSTEN, SUSAN M. TAIT, and DAVID L. ROWNEY, Div. Biol. Control, Univ. California, Berkeley.
- Bird communities of oak-gum-cypress forests. JAMES G. DICKSON, U.S. Forest Serv., Southern Forest Exp. Stat., Nacogdoches, TX.
- Foliage height diversity and bird species richness revisited. PAUL B. HAMEL, Tennessee Dep. Conserv., Nashville.
- Bird communities along an elevational transect (50–850 m) in San Blas, Panama. JOHN G. BLAKE, Nat. Resources Res. Inst., Univ. Minnesota, Duluth.
- The effects of various burning and grazing treatments on upland habitat use by Whooping Cranes and Sandhill Cranes on the Aransas National Wildlife Refuge. HOWARD E. HUNT and R. DOUGLAS SLACK, Dep. Wildl. & Fish. Sci., Texas A&M Univ., College Station.
- *The effect of phenotype-limited competition for space on dispersal distance in age-structured avian populations. D. ARCHIBALD McCALLUM, Dep. Biol., Univ. New Mexico, Albuquerque.
- *Songbird responses to forest disturbances in large tracts of northern hardwoods. DOMINICK A. DELLASALA, Sch. Nat. Resources, Univ. Michigan, Ann Arbor.
- *The scale of habitat selection by birds in the New Jersey pine barrens: effects of fine-grained landscape heterogeneity within a forest ecosystem. EMILE D. DEVITO, Dep. Zool., Univ. Wisconsin, Madison.

- Patterns of elevational and latitudinal distribution, including a "niche switch," in guans (Cracidae) of the Andes. J. V. REMSEN, JR., and STEVEN W. CARDIFF, Mus. Zool., Louisiana State Univ., Baton Rouge.
- Habitat associations of waterfowl wintering on Mississippi catfish ponds. JAMES A. DUBOVSKY, Dep. Wildl. & Fish., Mississippi State Univ., Mississippi State.
- *On the design of tropical forest reserves: army ant-following birds use corridors and stepping stones to maintain marginal populations. LEE H. HARPER, Dep. Biol. Sci., State Univ. New York at Albany, Albany.

WEDNESDAY MORNING, 20 AUGUST

III. SYSTEMATICS & EVOLUTION I

Gary D. Schnell, Chr.

- Genetic identity of Blue-winged and Golden-winged warblers. FRANK B. GILL, Acad. Nat. Sci., Philadelphia, PA.
- *The relationship of the Ground Warbler (*Microligea palustris*) to Hispaniolan Palm Tanagers (genus *Phaenicophilus*). MARA A. McDONALD, Dep. Zool., Univ. Florida, Gainesville, and Savannah River Ecol. Lab., Aiken, SC.
- Syllable sharing among North American populations of the Eurasian Tree Sparrow (*Passer montanus*). ANTHONY L. LANG, Dep. Zool., Univ. Toronto, Toronto, ON, Canada, and JON C. BARLOW, Dep. Ornithol., Royal Ontario Mus., Toronto, ON, Canada.
- Species limits in the "black-tailed" gnatcatcher complex. JONATHAN L. ATWOOD, Dep. Biol., Univ. California, Los Angeles.
- Is the Timberline Sparrow (*Spizella breweri taverneri*) really a subspecies of Brewer's Sparrow? W. BRUCE MCGILLIVRAY, Dep. Ornithol., Prov. Mus. of Alberta, Edmonton, AB, Canada, and JON C. BARLOW, Dep. Ornithol., Royal Ontario Mus., Toronto, ON, Canada.
- *Reconsideration of the taxonomic status of the King Shag (*Phalacrocorax albiventer*). PAMELA C. RASMUSSEN, Mus. Nat. Hist. and Dep. Syst. & Ecol., Univ. Kansas, Lawrence.
- *Differentiation of Piping Plover populations across North America. SUSAN M. HAIG, Dep. Biol., Univ. North Dakota, Grand Forks, and Delta Waterfowl and Wetlands Res. Stat., Portage la Prairie, MB, Canada.
- Eastern Bluebird response to a population bottleneck. T. DAVID PITTS, Biol. Dep., Univ. Tennessee at Martin, Martin.
- Systematic revision of the Pittidae: the *erythrogaster* subspecies complex. BRUCE W. MILLER, Dep. Ornithol., Oklahoma City Zoo, Oklahoma City.
- Palatal morphology and cranial kinesis in hesperornithiform birds. LAWRENCE WITMER, Mus. Nat. Hist., Univ. Kansas, Lawrence.

IIIB. BREEDING BIOLOGY

Scott K. Robinson, Chr.

- Nest success of Eastern Bluebirds: how important is nestbox location? R. CRAIG HENSLEY, Dep. Zool., Univ. Arkansas, Fayetteville.
- Spatial and chronological aspects of reproduction in a North Carolina Osprey colony. JOHN M. HAGAN, Dep. Zool., North Carolina State Univ., Raleigh.
- Breeding bioenergetics of female Canvasbacks (*Aythya valisineria*) in southwestern Manitoba. JEROME R. SERIE, Office Migratory Bird Manage., Patuxent Wildl. Res. Center, Laurel, MD, and JEB A. BARZEN, Dep. Biol., Univ. North Dakota, Grand Forks.
- *Are fence rows for the birds? Cardinal nest success in fence row habitat. L. KAROLEE OWENS, Dep. Wildl. & Fish. Sci., Texas A&M Univ., College Station.
- *Age structure and male settlement pattern in a breeding population of Black-headed Grosbeaks. GEOFFREY E. HILL, Dep. Biol., Univ. New Mexico, Albuquerque.
- Why do Mourning Doves lay only two eggs? DAVID WESTMORELAND and LOUIS B. BEST, Dep. Animal Ecol., Iowa State Univ., Ames.
- Does egg production limit clutch size in waterfowl? FRANK C. ROHWER, Dep. Biol., Univ. Pennsylvania, Philadelphia.
- Egg viability, nest predation, and the adaptive significance of clutch size in prairie ducks. TODD W. ARNOLD, Delta Waterfowl and Wetlands Res. Stat., Portage la Prairie, MB, Canada.