

- WEATHERS, W. W. 1977. Temperature regulation in the dusky munia *Lonchura fuscans* (Cassin) (Estrildidae). *Australian J. Zool.* 25: 193-199.
- . 1979. Climatic adaptation in avian standard metabolic rate. *Oecologia* 24: 81-89.
- , & K. A. NAGY. 1980. Simultaneous doubly labelled water ($^3\text{HH}^{18}\text{O}$) and time budget estimates of daily energy expenditure in *Phainopepla nitens*. *Auk* 97: 861-867.
- WILLIAMS, G. C. 1966. Natural selection, the costs of reproduction, and a refinement of Lack's principle. *Amer. Natur.* 106: 687-690.
- YARBROUGH, C. G. 1971. The influence of distribution and ecology on the thermoregulation of small birds. *Comp. Biochem. Physiol.* 39A: 235-266.

Nominations for Elective Members and Fellows of the A.O.U. may be made up until 5 months prior to the next stated meeting. Nominations of Fellows must be signed by three Fellows. Nominations of Elective Members must be signed by three Fellows or Elective Members. The number of Fellows under 60 years of age is restricted to 75 by the bylaws. However, the number of new Elective Members each year is in large part determined by the number nominated—we can elect up to 75% of the nominees. Prescribed forms may be obtained from the Secretary (see inside front cover of *The Auk* for address). Completed forms must be returned to the Secretary by **6 March 1984** in order to be eligible.

Nominations for officers may be made in writing to the Secretary at any time prior to the next meeting of Fellows and Elective Members, which is 6 August 1984. The following positions will be vacant in 1984: President-elect, Vice President, and three Elective Councilors.

The **Herbert and Betty Carnes Research Award** will provide one or two grants of \$500-2,000 in 1984. Awards are given on the basis of scientific merit, importance, and originality. Particularly favored are studies that aim to *expand* the design of field or laboratory work or to explore *new* methods of data analysis. Women are particularly encouraged to apply. Proposals must be submitted by 1 March 1984. Guidelines may be secured by writing: **Dr. J. W. McIntyre, Utica College of Syracuse University, Utica, New York 13502.**

- , L. E. STENZEL, & C. M. WOLFE. 1979. Aspects of the occurrence of shorebirds on a central California estuary. *Studies Avian Biol.* 2: 15-32.
- , ———, D. W. WINKLER, & C. W. SWARTH. 1983. Spacing out at Mono Lake: breeding success, nest density, and predation in the Snowy Plover. *Auk* 100: 13-24.
- PIENKOWSKI, M. W., & W. J. A. DICK. 1976. Some biases in cannon- and mist-netted samples of wader populations. *Ringing & Migr.* 1: 105-107.
- SNEDECOR, G. W., & W. G. COCHRAN. 1967. *Statistical methods*. Ames, Iowa, Iowa State Univ. Press.

The Frank M. Chapman Memorial Fund gives grants in aid of ornithological research and also post-doctoral fellowships. While there is no restriction on who may apply, the Committee particularly welcomes and favors applications from graduate students; projects in game management and the medical sciences are seldom funded. **Applications are reviewed once a year and should be submitted no later than 15 January.** Application forms may be obtained from the Frank M. Chapman Memorial Fund Committee, The American Museum of Natural History, Central Park West at 79th St., New York, New York 10024.

Dr. Robert E. Bleiweiss was appointed Chapman Fellow for the period September 1983 through August 1984. He will study the systematics and speciation in Andean hummingbird genera. Dr. Robert M. Zink, also appointed a Chapman Fellow for September 1983 through August 1984, will study the systematic and biogeographic relationships of thrashers (*Toxostoma*) and the Brown Towhee complex (*Pipilo*) in the aridlands of North America.

Chapman grants during 1983, totalling \$34,623 with a mean of \$533, were awarded to: Marianne G. Ainley, American women ornithologists: their contributions to science 1900-1950; Peter Arcese, correlates and consequences of dominance behavior in the Song Sparrow (*Melospiza melodia*) on Mandarte Is., B.C.; Christopher Paul Lyman Barkan, risk sensitive foraging behavior of Black-capped Chickadees; James C. Bednarz, ecological study of the cooperatively breeding Harris' Hawk; Paul S. Bencuya, parental role partitioning in the Merlin and its adaptive significance; Craig W. Benkman, food availability, foraging efficiency and the regulation of Crossbills (*Loxia*) in eastern North America; David E. Blockstein, reproductive behavior and parental investment in the Mourning Dove (*Zenaida macroura*); Jeffrey D. Brawn, effects of density on the breeding biology of Western Bluebirds; Mark Andrew Brazil, winter distribution and comparative ecology of Steller's and White-tailed Sea Eagles in north-east Hokkaido, Japan; Charles R. Brown, costs and benefits of coloniality in Cliff Swallows in Nebraska; Angelo Paul Capparella, effects of riverine barriers on gene flow in Amazonian forest undergrowth birds; Peng Chai, factors affecting prey selection of various insect taxa by the Rufous-tailed Jacamar (*Galbula ruficauda*); Jeffrey D. Cherry, interaction of magnetic, stellar, and sunset cues in the orientation of nocturnal restlessness of migratory sparrows; Bruce A. Colvin, Barn Owl nesting, population dynamics, and dispersion in southwest New Jersey; Nonie Coulthard, White-throated Bee-eater (*Merops albicollis*): cooperative breeding in relation to ecological factors; Janice R. Crook, helping and infanticide in the Barn Swallow; Thomas A. Davis, water balance and incubation physiology of avian eggs in wet nests; William James Davis, acoustic communication in the Belted Kingfisher (*Megaceryle alcyon*); John Merrit Emlen and R. Cary Tuckfield, ecological and evolutionary determinants of song variation in Black-throated Sparrows; R. Todd Engstrom, geographic variation in clutch size in birds; Susan Evarts, test of the incidence of multiple paternity in Mallard (*Anas platyrhynchos*) clutches; Anthony David Fox, summer feeding ecology of the Greenland White-fronted Goose, with particular emphasis on pre-nesting behaviour; Thomas L. George, density compensation on Baja California islands: the role of predation; J. Christopher Haney, selection pressures and the evolution of sociality in the White-throated (*Cyanolyca mirabilis*) and Silver-throated (*C. argentigula*) Jays; Lise A. Hanners, influences of parent/offspring behavior on Laughing Gull (*Larus atricilla*) reproductive success; Sara M. Hiebert, control of torpor in hummingbirds; A. M. Hindmarsh, vocal mimicry of starlings on Fair Isle; Peter W. Houde, Lithornithidae of North America; David Hutchinson, Discovery Park Anna's Hummingbird project and the range expansion of Anna's Hummingbirds in the Pacific north-west; Victoria Ingalls, avian predator strategies to insect startle defences: the habituation of blue jays to successive presentations of startling stimuli; Paul A. Jones, breeding biology of a founding colony of California Gulls (*Larus californicus*), Alviso, California; Jan Kalina, socioecology of Black-and-White Casqued Hornbills (*Bycanistes subcylindricus*) and their role as seed dispersers for tropical rainforest trees; Chris Kellner, predation ecology of American Kestrels wintering in central Kentucky; Douglas J. Levey, seed size and the

- Wedge-tailed Shearwater *Puffinus pacificus chlororhynchus*. Unpublished Ph.D. dissertation. Los Angeles, Univ. California.
- WARHAM, J. 1958. The nesting of the Shearwater *Puffinus carneipes*. *Auk* 75: 1-14.
- , R. WATTS, & R. J. DAINY. 1976. The composition, energy content and function of the stomach oils of petrels (Order, Procellariiformes). *J. Exp. Marine Biol. Ecol.* 23: 1-13.

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quality of generalized dispersers; Brian J. McCaffery, reproductive costs in the Mountain Plover (*Charadrius montanus*): intersexual differences in parental investment; Mary Victoria McDonald, observational and experimental study of the function of vocalizations in Seaside Sparrows; Kevin James McGowan, development of dominance in the Florida Scrub Jay, *Aphelocoma c. coerulescens*; John M. Marzluff, experimental analysis of the significance of nest site selection in the Piñon Jay (*Gymnorhinus cyanocephalus*); Kathryn K. Matthew, reproductive ecology of the Great Curassow (*Crax rubra rubra*); Donald B. Miles, species turnover along a habitat gradient in two Sonoran Desert avian communities; Tammie K. Nakamura, biology of the Pintailed Whydah and its host species in Puerto Rico; Stephen R. Patton, avian community structure at South Florida urban landfills; Nina Pierpont, adaptive patterns of home range use in Amazonian Woodcreepers; Jay Pitocchelli, status of *O. tolmiei* and *O. philadelphia* and geographic variation in *O. philadelphia*; Bonnie J. Ploger, determining the causes of siblicide in cattle egrets: experimental tests of two hypotheses; Jennifer Jaye Price, ecological mechanisms for grouping and group size in the Trumpeter *Psophia leucoptera*; Stephen G. Pruett-Jones, ecology and evolution of social organization in *Parotia lawesii*, Lawes' Six-wired Bird of Paradise; Patricia V. Rich, myology of a species *Megalapteryx*, an extinct New Zealand moa; Nicholas L. Rodenhouse, experimental reduction of food for forest passerines; David E. Seibel, comparative osteology and phylogenetic analysis of the Cuculiformes, including *Opisthocomus*; Jennifer M. Shopland, effect of mixed-species flocks on the foraging success and interspecific interactions of two species of territorial warblers (Parulidae); Cynthia Anne Staicer, geographical variation in the songs of the Grace's Warbler (*Dendroica graciae*) in relation to functional song groups; Jill M. Trainer, song dialects, communication and social organization in Chestnut-headed Oropendolas (*Zarhynchus wagleri*) and Yellow-rumped Caciques (*Cacicus cela*); Katherine A. Voss-Roberts, parental attentiveness and embryonic tolerance of thermal stress in Yellow-headed Blackbirds (*xanthocephalus xanthocephalus*); Dick Watling, examination of the Whitney South Sea Journals and skin collections at the AMNH; Tracey K. Werner and Thomas W. Sherry, patterns of resource use relative to resource availability in the Cocos Island Finch (*Pinaroloxias inornata*); David French Westneat, alternative mating strategies and parental care in the Indigo Bunting; Christopher J. Whelan, balance of food accessibility and preference in the habitat selection of birds; D. Philip Whitfield, social significance of plumage variability in breeding Turnstone (*Arenaria interpres*); David S. Wilcove, relationship of nest predation and brood parasitism to forest fragmentation in the eastern United States; Thomas C. Will, behavioral ecology of species replacement: Blue-winged and Golden-winged Warblers in Michigan; Pamela L. Williams, comparison of colonial and non-colonial nesting by Northern Orioles in central coastal California; Licia Wolf, biparental care in the Dark-eyed Junco; Ann Marie Wyckoff, reproductive advantage of territory location in Chestnut-collared Longspurs (*Calcarius ornatus*); David A. Yokel, mating system of the Brown-headed Cowbird in two different environments.