

- PYKE, G. H. 1981. Optimal travel speeds of animals. *Amer. Natur.* 118: 475-487.
- RAYNER, J. M. V. 1979a. A new approach to animal flight mechanics. *J. Exp. Biol.* 80: 17-54.
- . 1979b. A vortex theory of animal flight. Part 2, The forward flight of birds. *J. Fluid Mech.* 91: 731-763.
- . 1982. Avian flight energetics. *Ann. Rev. Physiol.* 44: 109-119.
- RYAN, A. R., JR., B. L. JOINER, & B. F. RYAN. 1976. MINITAB student handbook. Boston, Duxbury Press.
- SCHWARTZ, R. L., & J. L. ZIMMERMAN. 1971. The time and energy budget of the male Dickcissel (*Spiza americana*). *Condor* 73: 65-76.
- SHILOV, I. A. 1968. Heat regulation in birds. Springfield, Virginia, U.S. Dept. Commerce.
- TEAL, J. M. 1969. Direct measurement of CO₂ production during flight in small birds. *Zoologica* 54: 17-23.
- TORRE-BUENO, J. R. 1977. Respiration during flight in birds. In *Respiratory function in birds, adult and embryonic* (J. Piiper, Ed.). Berlin, Springer-Verlag.
- TUCKER, V. A. 1968. Respiratory exchange and evaporative water loss in the Budgerigar. *J. Exp. Biol.* 48: 67-87.
- . 1970. Energetic cost of locomotion in animals. *Comp. Biochem. Physiol.* 34: 841-846.
- . 1973. Bird metabolism during flight. *J. Exp. Biol.* 58: 689-709.
- UDVARDY, M. D. F. 1953. Contributions to the knowledge of body temperature in birds. *Zool. Bidrag. Uppsala* 30: 25-42.
- UTTER, J. M., & E. A. LEFEBVRE. 1970. Energy expenditure for free-flight by the Purple Martin (*Progne subis*). *Comp. Biochem. Physiol.* 35: 713-719.
- , & —. 1973. Daily energy expenditure of Purple Martins (*Progne subis*) during the breeding season; estimates using D₂¹⁸O and time budget methods. *Ecology* 54: 597-604.
- WALSBURG, G. E. 1977. Ecology and energetics of contrasting social systems in *Phainopepla nitens*. *Univ. California Publ. Zool.* 108: 1-63.
- . 1980. Energy expenditure in free-living birds: patterns and diversity. *Proc. 17th Intern. Ornithol. Congr.*: 300-305.
- . 1983. Avian ecological energetics. Pp. 161-220 in *Avian biology*, vol. 7 (D. S. Farner and J. R. King, Eds.), New York, Academic Press.
- WEATHERS, W. W., W. A. BUTTEMER, A. M. HAYWORTH, & K. A. NAGY. 1984. An evaluation of time-budget estimates of daily energy expenditure in birds. *Auk* 101: 459-472.
- , & K. A. NAGY. 1980. Simultaneous doubly labeled water (²H¹⁸O) and time-budget estimates of daily energy expenditure in *Phainopepla nitens*. *Auk* 97: 861-867.
- WEIS-FOGH, T., & R. MCN. ALEXANDER. 1977. The sustained power output from striated muscle. Pp. 511-525 in *Scale effects in animal locomotion* (T. J. Pedley, Ed.). London, Academic Press.
- WESTERERP, K. R., & D. M. BRYANT. 1984. Energetics of free existence in swallows and martins (Hirundinidae) during breeding: a comparative study using doubly-labelled water. *Oecologia* 62: 376-381.
- , & R. H. DRENT. 1985. Energetic costs and energy saving mechanisms in parental care of free-living passerine birds as determined by the D₂¹⁸O method. *Proc. 18th Intern. Ornithol. Congr.*: in press.
- WILLIAMS, J. B., & K. A. NAGY. 1984. Daily energy expenditure of Savannah Sparrows; comparison of time-energy budget and doubly-labeled estimates. *Auk* 101: 221-229.
- ZAR, J. H. 1974. *Biostatistical analysis*. Englewood Cliffs, New Jersey, Prentice Hall.

ERRATA

In the memorial to Edmund W. Mudge (1985, *Auk* 102: 869), "Edmund W. Mudge" should read "Edmund W. Mudge, Jr."

There is an error in the article by Spencer G. Sealy (1985, *Auk* 102: 889-892). At the end of paragraph 2 on page 889, the sentence beginning "In 1979 a single 9-day-old cuckoo gradually assumed an erect posture . . ." should read "In 1985 . . ."