

Shlomo Hellwing (1927-1992)



Shlomo (Salu) Hellwing was born on August 27, 1927 in Radautz, Bukovina, Romania,. He studied at the University of Bucharest where he gained his B.Sc. and MSc. degrees in biology. In 1963 he immigrated to Israel, where he began working on the biology of shrews at Tel-Aviv University, while also carrying out his doctoral studies at the Hebrew University under the supervision of Prof. H. Steinitz. He received his Ph.D. in 1972 and the following year went for post-doctoral training in the laboratory of Prof. J.R. Clarke at Oxford University, UK. In 1975 he received a six-month fellowship to train in museology at the Carnegie Museum in Pittsburg, USA.

At the Experimental Zoo of Tel-Aviv University, Dr Hellwing established a unique colony of shrews (*Crocidura russula*) that provided a considerable number of graduate students with an excellent tool to study the biology, physiology and reproduction of these tiny mammals. Dr. Hellwing taught vertebrate anatomy and biology of mammalian reproduction to undergraduate students and also served as the curator of the zoological collections at Tel-Aviv University.

Shlomo Hellwing died in 1992, leaving a wife, Renie, and two daughters, Bat-Ami and Ariella.

List of Publications

Hellwing, S. 1975. Sexual receptivity and oestrus in the white-toothed shrew, *Crocidura russula monacha*. J Reprod Fertil. 45: 469-77 .

Funkenstein B., and Hellwing S. 1977. The effect of PMSG on ovulation in the shrew, *Crocidura russula monacha*. Gen. Comp. Endocrinol. 32: 446-453.

Hellwing, S. and Funkenstein, B. 1977. Ovarian asymmetry in the shrew, *Crocidura russula monacha*. J. Reprod. Fertil. 49: 163-165 .

- Clark, J.R. and Hellwing, S. 1977. Remote control by males of ovulation in bank voles (*Clethrionomys glareolus*) J. Reprod. Fertil. 50: 155-158.
- Clarke, J.R. and Hellwing, S. 1983. Fertility of the post-partum bank vole (*Clethrionomys glareolus*) J. Reprod. Fertil. 68: 241-246 .
- Catzefflis, F., Maddalena, T. Hellwing, S., and Vogel, P. 1985. Unexpected findings on the taxonomic status of East Mediterranean *Crocidura russula* (Mammalia, Insectivora). Zeitschrift Für Säugetierkunde-International Journal of Mammalian Biology. 50: 185-201.
- Cohen-Shlagman, L., Yom-Tov, Y., and Hellwing, S. 1984. The Biology of the Levant vole, *Microtus guentheri* in Israel .1. Population-dynamics in the field. Zeitschrift Für Säugetierkunde-International Journal of Mammalian Biology. 49: 135-147.
- Cohen-Shlagman, L., Hellwing, S., and Yom-Tov, Y. 1984. The Biology of the Levant vole, *Microtus guentheri* in Israel .2. The Reproduction and growth in captivity. Zeitschrift Für Säugetierkunde-International Journal of Mammalian Biology.; 49: 148-156.
- Hellwing, S. 1985. Ovarian morphology in an ovulating shrew – *Crocidura russula monacha*. Fortschritte Der Zoologie. 30: 449-452.
- Mover, H. Ar, A., and Hellwing, S. 1989. Energetic costs of lactation with and without simultaneous pregnancy in the white-toothed shrew *Crocidura russula monacha*. Physiological Zoology. 62: 919-936.
- Mover, H. Ar, A., and Hellwing, S. 1986. Non-steady-state O₂ consumption and body-temperature in the shrew *Crocidura russula monacha* (Soricidae, Insectivora). Physiological Zoology 59: 369-375.
- Mover, H., Hellwing, S., and Ar, A. . 1988. Energetic cost of gestation in the white-toothed shrew *Crocidura russula monacha* (Soricidae, Insectivora). Physiological Zoology 61: 17-25.