

ČERVENÝ J.: Professor Hynek BURDA septuagenarian .....	7
ŠUMBERA R. & BEGALL S.: Hynek BURDA Special Volume – An Introduction .....	15
NEVO E.: Genome coding and noncoding structure function and evolution in <i>Spalax ehrenbergi</i> superspecies and <i>Hordeum spontaneum</i> in Israel: a review (Rodentia: Spalacidae) .....	33
HART D. W. & BENNETT N. C.: Seasonality of reproduction in Bathyergidae is a function of group size: A novel hypothesis (Rodentia) .....	53
OKROUHLÍK J., ZEMANOVÁ M., PLÁNKOVÁ P. & ŠUMBERA R.: Unexplored aspects of African mole-rat thermal biology: Daily energy expenditure and development of thermoregulation in <i>Fukomys darlingi</i> (Rodentia: Bathyergidae) .....	65
CASPAR K. R.: A review of <i>Fukomys ochraceocinereus</i> , an enigmatic mole-rat from Central Africa (Rodentia: Bathyergidae) .....	79
DENYS C.: Origin and evolution of <i>Heterocephalus</i> from East Africa (Rodentia: Heterocephalidae) .....	93
DAMMANN P., BEGALL S. & ŠUMBERA R.: Analysis of ageing and longevity in African mole-rats – digging deeper than before (Rodentia: Bathyergidae) .....	125
NOVIKOV E. A.: Age-related dynamics of reproductive activity and physical conditions in Cricetidae of different ecological speciation (Rodentia) .....	135
BEGALL S. & HONEYCUTT R. L.: Microsatellite DNA variation in <i>Spalacopus cyanus</i> , a social subterranean rodent endemic to Chile (Rodentia: Octodontidae) .....	149
MAIER W., PILZ P. & RUF I.: Different size of tympanic membranes and its functional and ecomorphological meaning in Crocidurinae and Soricinae (Lipotyphla: Soricidae) ....	163
HROUZKOVÁ E. & SCHLEICH C. E.: Habitat influence on the evolution of male mating vocalizations in subterranean and surface-dwelling rodents (Rodentia) .....	175
PEICHL L., RADIC T., SOLOVEI I., WOLFRAM M. & GLÖSMANN M.: On the retinae of <i>Glis</i> and <i>Graphiurus</i> : photoreceptor and ganglion cell populations, an absence of shortwave-sensitive cones, and some other features (Rodentia: Gliridae) .....	185
WILTSCHKO W. & WILTSCHKO R.: Magnetoreception in mammals and birds: a comparison (Mammalia, Aves) .....	207
PHILLIPS J. & PAINTER M.: Small differences in weak electromagnetic fields disrupt magnetic compass orientation of C57 BL/6 mice (Rodentia: Muridae) .....	219

OLIVERIUSOVÁ L., NOVÁKOVÁ M. & SEDLÁČEK F.: Evidence for magnetic orientation in <i>Clethrionomys glareolus</i> in a water maze assay (Rodentia: Cricetidae) .....	235
NOVÁKOVÁ M., NĚMEC P., OLIVERIUSOVÁ L. & SEDLÁČEK F.: No expression of magnetic compass orientation in <i>Clethrionomys glareolus</i> in total darkness (Rodentia: Cricetidae) ...	243
SCHIMEROVÁ T. & NEDVĚD O.: Heart attack frequency and geomagnetic field instability (Primates: Hominidae) .....	251
BENEDIKTOVÁ K., ADÁMKOVÁ J., MASILKOVA M., BARTOŠ L., KLEPRLÍKOVÁ L., SVOBODA J., ZIKMUND M. & HART V.: Spying the dog: Wearable action camera as a tool to understand dog's behaviour during homing (Carnivora: Canidae) .....	257
MIKULA O., KRÁSOVÁ J., ŠUMBERA R. & BRYJA J.: Taxonomic position and biogeography of <i>Mus callewaerti</i> , the largest species of the subgenus <i>Nannomys</i> (Rodentia: Muridae) ...	271
BENDA P., UVIZL M., ŠKLÍBA J., MAZUCH V. & ČERVENÝ J.: African bats in the collection of the National Museum, Prague (Chiroptera). I. Bats from Zambia .....	291
ROBOVSKÝ J. & ROOKMAAKER K.: Rhinoceros specimens included in anatomical and morphological studies by Professor Alexander J. E. CAVE (Perissodactyla: Rhinocerotidae) .....	333
MONTERMANN C. & HUTTERER R.: Morphology and adaptation of the auricle in Soricidae (Lipotyphla) .....	351
HORÁČEK I. & LEBEDOVÁ K.: Cricetinae in the Quaternary fossil record of the Czech Republic and Slovakia (Rodentia: Cricetidae) .....	365
BUFKA L., VOLFOVÁ J., BEDNÁŘOVÁ H., BELOTTI E., DZURJA J., PROKOPOVÁ M., JAŠKA P., POSPÍŠKOVÁ J., SOCHOR J., ČECH V., MINÁRIKOVÁ T. & KROJEROVÁ J.: Verified occurrence of <i>Felis silvestris</i> in Bohemia (Czech Republic) in 2010–2021 (Carnivora: Felidae) .....	417
SCHMITT M.: Species on an excursion – Mammals and other faunistic records from 16 years of zoological field trips to the Šumava Mountains and South Bohemia (Czech Republic) under the direction of Hynek BURDA .....	437