

**Bibliographie der wissenschaftlichen Publikationen von
Prof. Dr. Otto von Helversen (1943-2009)¹**

zusammengestellt von Klaus-Gerhard Heller

Arbeiten über Orthopteren

- WACHMANN, E. & O. v. HELVERSEN (1968): Ein neuer Fundort der Sumpfgrille *Pteronemobius heydeni* (FISCHER) (Orthoptera, Gryllidae). - Mitt. bad. Landesver. Naturkunde u. Naturschutz 9: 795-797.
- v. HELVERSEN, O. (1969): *Meconema meridionale* (COSTA 1860) in der südlichen Oberrhein-Ebene (Orth., Ensifera). - Mittl. Deutsch. Ent. Ges. 28: 19-22.
- v. HELVERSEN, O. (1974): Verzeichnis der nachgewiesenen Gerafflügler (Orthoptera). - In: Das Taubergießengebiet, 550-551. Ludwigsburg.
- v. HELVERSEN, D. & O. v. HELVERSEN, (1975): Das Lautschema von Bastarden zwischen zwei Feldheuschreckarten. - Verh. Dtsch. Zool. Ges. 1975, 114.
- v. HELVERSEN, D. & O. v. HELVERSEN, (1975): Verhaltensgenetische Untersuchungen am akustischen Kommunikationssystem der Feldheuschrecken (Orthoptera, Acrididae). I. Der Gesang von Artbastarden zwischen *Chorthippus biguttulus* und *Ch. mollis*; II: Das Lautschema von Artbastarden zwischen *Chorthippus biguttulus* und *Ch. mollis*. - J. comp. Physiol. 104: 273-299, 300-323.
- ELSNER, N. & O. v. HELVERSEN (1976): Altersbedingte Abwandlungen der Stridulationsmuster bei Feldheuschrecken. - Verh. Dtsch. Zool. Ges. 1976, 280.
- v. HELVERSEN, O. & N. ELSNER (1977): The stridulatory movements of acridid grasshoppers recorded with an opto-electronic device. - J. comp. Physiol. 122: 53-64.
- v. HELVERSEN, O. (1979): Angeborenes Erkennen akustischer Schlüsselreize. - Verh. Dtsch. Zool. Ges. 1979, 42-59.
- v. HELVERSEN, D. & O. v. HELVERSEN, (1981): Korrespondenz zwischen Gesang und auslösendem Schema bei Feldheuschrecken. - Nova acta Leopoldina N.F. 54 (245): 449-462.
- v. HELVERSEN, D. & O. v. HELVERSEN, (1983): Species recognition and acoustic localization in acridid grasshoppers: A behavioral approach. - In: Neuroethology and Behavioral Physiology. HUBER, F. & MARKL, H. (ed): 95-107. Springer Verlag Berlin Heidelberg.
- v. HELVERSEN, D. & O. v. HELVERSEN, (1985): Woran erkennen Heuschrecken den arteigenen Gesang? - In: Verhaltensbiologie (Hrsg. D. FRANCK): 227-231, Thieme Verlag.
- WOLF, H. & O. v. HELVERSEN (1986): "Switching-off" of an auditory interneuron during stridulation in the acridid grasshopper *Chorthippus biguttulus* L. - J. comp. Physiol. A 158: 861-871.
- RONACHER, B., D. v. HELVERSEN & O. v. HELVERSEN (1986): Routes and stations in the processing of auditory directional information in the CNS of a grasshopper, as revealed by surgical experiments. - J. comp. Physiol. A 158: 363-374.
- v. HELVERSEN, O. (1986): Gesang und Balz bei Feldheuschrecken der *Chorthippus albomarginatus*-Gruppe (Orthoptera: Acrididae). - Zool. Jb. Syst. 113: 319-342.

¹ Größtenteils nach: www.biologie.uni-erlangen.de/zoo2/helversen/PublOvH.pdf (Stand 2.7.2008).

- MEIER, T., WOLF, H. & O. v. HELVERSEN (1987): "Auditory window" for responsiveness during stridulation of grasshoppers as recorded from one of their auditory interneurons. - In: New frontiers in brain research: ELSNER, N., CREUTZFELD, O. (eds.). Göttingen Neurobiol. Conf. Proc. 15. Stuttgart: G. Thieme Verlag. Abstract, 85.
- BAUER, M. & O. v. HELVERSEN (1987): Separate localization of sound recognizing and sound producing neural mechanisms in a grasshopper. - J. comp. Physiol. A 161: 95-101.
- v. HELVERSEN, O. & D. v. HELVERSEN, (1987): Innate receiver mechanisms in the acoustic communication of orthopteran insects. - In: Aims and Methods in Neuroethology. GUTHRIE, G. M. (ed): 104 -150. Manchester Univ. Press.
- v. HELVERSEN, O. (1989): Bemerkungen zu *Chorthippus biguttulus hedickei* (RAMME 1942) und Beschreibung von *Chorthippus biguttulus euherdickei* n. ssp. - Articulata 4: 26-34.
- STUMPNER, A., RONACHER, B. & O. v. HELVERSEN (1990): Transmission and filtering of behaviourally relevant song parameters by auditory neurons in a grasshopper. - In: Sensory systems and communication in arthropods. In: GRIBAKIN, F.G., WIESE, K. & POPOV, A.V. (eds.). Basel, Boston, Berlin: Birkhäuser Verlag: 351-358.
- v. HELVERSEN, D. & O. v. HELVERSEN (1990): Pattern recognition and directional analysis: Routes and stations of information flow in the CNS of a grasshopper. - In: Sensory Systems and Communication in Arthropods. GRIBAKIN, F. G., WIESE, K. & POPOV, A. V. (eds). Basel, Boston, Berlin: Birkhäuser Verlag: 209-216.
- HELLER, K.-G. & O. v. HELVERSEN (1990): Survival of a phaneropterid bush-cricket studied by a new marking technique (Orthoptera: Phaneropteridae). - Entomol. Gener. 15 (3): 203-208.
- v. HELVERSEN, D. & O. v. HELVERSEN (1991): Pre-mating sperm removal in the bushcricket *Metaplastes ornatus* Ramme 1931 (Orthoptera, Tettigonoidea, Phaneropteridae). - Behav. Ecol. Sociobiol. 28: 391-396.
- STUMPNER, A., B. RONACHER & O. v. HELVERSEN (1991): Auditory interneurones in the metathoracic ganglion of the grasshopper *Chorthippus biguttulus*. - J. exp. Biol. 158: 411-430.
- KRIEGBAUM, H. & O. v. HELVERSEN (1992): Influence of male songs on female mating behavior in the grasshopper *Chorthippus biguttulus* (Orthoptera: Acrididae). - Ethology 91: 248-254.
- STUMPNER, A. & O. v. HELVERSEN (1992): Recognition of a two-element song in the grasshopper *Chorthippus dorsatus* Zett. (Orthoptera: Gomphocerinae). - J. comp. Physiol. A 171: 405-412.
- v. HELVERSEN, O. & D. v. HELVERSEN (1994): Forces driving coevolution of song and song recognition in grasshoppers. - Fortschr. d. Zool. 39: 253-284.
- STUMPNER, A. & O. v. HELVERSEN (1994): Song production and song recognition in a group of sibling grasshopper species (*Chorthippus dorsatus*, *Ch. dichrous* and *Ch. loratus*: Orthoptera, Acrididae). - Bioacoustics 6: 1-23.
- DOBBLER, S., K.-G. HELLER & O. v. HELVERSEN (1994): Song pattern recognition and an auditory time window in the female bushcricket *Ancistrura nigrovittata* (Orthoptera: Phaneropteridae). - J. comp. Physiol. A 175: 67-74.
- v. HELVERSEN, D. & O. v. HELVERSEN (1995): Acoustic pattern recognition and orientation in orthopteran insects: parallel or serial processing? - J. comp. Physiol. A 177: 767-774.
- v. HELVERSEN, D. & O. v. HELVERSEN (1997): Recognition of sex in the acoustic communication of the grasshopper *Chorthippus biguttulus* (Orthoptera, Acrididae). - J. comp. Physiol. A 180: 373-386.

- HELLER, K.-G., O. v. HELVERSEN & SERGEJEVA, M. (1997): Indiscriminate response behaviour in a female bushcricket: Sex role reversal in selectivity of acoustic mate recognition? - Naturwissenschaften 84: 252-255.
- HELLER, K.G., FALTIN, S., FLEISCHMANN, P. & O. v. HELVERSEN (1998): The chemical composition of the spermatophore in some species of phaneropterid bushcrickets (Orthoptera, Tettigonoidea). - J. Insect Physiol. 44: 1001-1008.
- v. HELVERSEN, D. & O. v. HELVERSEN (1998): Acoustic pattern recognition in a grasshopper: processing in the time or frequency domain? - Biol. Cybern. 79: 467-476.
- SCHUL, J., HOLDERIED, M., D. v. HELVERSEN & O. v. HELVERSEN (1999): Directional hearing in grasshoppers: neurophysiological testing of a bioacoustic model. - J. exp. Biol. 202: 121-133.
- SCHUL, J., MATT, F. & O. v. HELVERSEN (2000): Listening for bats: the hearing range of the bush-cricket *Phaneroptera falcata* for bat echolocation calls measured in the field. - Proc. R. Soc. Lond. B 267: 1711-1715.
- BALAKRISHNAN, R., D. v. HELVERSEN & O. v. HELVERSEN (2001): Song pattern recognition in the grasshopper *Chorthippus biguttulus*: the mechanism of syllable onset and offset detection. - J. comp. Physiol. A 187: 255-264.
- VEDENINA, V. YU. & O. v. HELVERSEN (2003): Complex courtship in a bimodal grasshopper hybrid zone. - Behav. Ecol. Sociobiol. 54: 44-54.
- v. HELVERSEN, O. (2003): Akustische Kommunikation der Heuschrecken. - In: Heuschrecken in Bayern. SCHLUMPRECHT, H. & G. WAEBER (Bearb.). Ulmer Verlag: 26-31.
- v. HELVERSEN, D., BALAKRISHNAN, R. & O. v. HELVERSEN (2004): Acoustic communication in a duetting grasshopper: receiver response variability, male strategies and signal design. - Animal Behaviour 68: 131-144.
- VASSILIKI, K., PARASKEVI, M., O. v. HELVERSEN, WILLEMS, F., ELSNER, N. & DIMOPOULOS, P. (2006): Human land use threatens endemic wetland species: the case of *Chorthippus lacustris* (La Greca and Messina 1975) (Orthoptera: Acrididae) in Epirus, Greece. - J. Insect Conservation 10: 65-74.
- VEDENINA V. YU., PANYUTIN A. K. & O. v. HELVERSEN (2007): The unusual inheritance pattern of the courtship songs in closely related grasshopper species of the *Chorthippus albomarginatus*-group (Orthoptera: Gomphocerinae). - J. evol. Biol. 20 (1): 260-277.
- WILLEMS, F., O. v. HELVERSEN & ODE, B (2009). A review of *Chorthippus* species with angled pronotal lateral keels from Greece with special reference to transitional populations between some Peloponnesian taxa. - Zoologische Mededelingen 83 (2): 319-507. [with cd]
- VEDENINA V. YU. & O. VON HELVERSEN (2009): A re-examination of the taxonomy of the *Chorthippus albomarginatus* group in Europe on the basis of song and morphology (Orthoptera: Acrididae). - Tijdschrift voor Entomologie 152:65-97.

Arbeiten über Fledermäuse

- v. HELVERSEN, D. & O. v. HELVERSEN (1975): *Glossophaga soricina* (Phyllostomatidae) - Nahungsaufnahme. - Publ. Wiss. Film E 1837, 3-10.
- v. HELVERSEN, D. & O. v. HELVERSEN (1975): *Glossophaga soricina* (Phyllostomatidae) - Flug auf der Stelle. - Publ. Wiss. Film E 1838, 3-17.
- v. HELVERSEN, O. & REYER, H. U. (1984): Nectar intake and energy expenditure in a flower visiting bat. - Oecologia 63: 178-184.

- v. HELVERSEN, O. (1986): Blütenbesuch bei Blumenfledermäusen: Kinematik des Schwirrfluges und Energiebudget im Freiland. - In: Bat flight - Fledermausflug. W. NACHTIGALL (ed). Biona-report 5: 107-126; Akad. Wiss., Mainz: G. Fischer, Stuttgart, New York.
- WEID, R. & O. v. HELVERSEN (1987): Ortungsrufe europäischer Fledermäuse beim Jagdflug im Freiland. - Myotis 25: 5-27.
- LIEGL, A. & O. v. HELVERSEN (1987): Jagdgebiet eines Mausohrs (*Myotis myotis*) weitab von der Wochenstube. - Myotis 25: 71-76.
- v. HELVERSEN, O., ESCHE M., KRETZSCHMAR F. & BOSCHERT M. (1987): Die Fledermäuse Südbadens. - Mitt. bad. Landesver. Naturkunde u. Naturschutz N.F. 14: 409-475.
- HELLER, K.-G. & O. v. HELVERSEN (1989): Resource partitioning of sonar frequency bands in rhinolophoid bats. - Oecologia 80: 178-186.
- v. HELVERSEN, O. (1989): New records of bats (Chiroptera) from Turkey. - Zoology in the Middle East 3: 5-18.
- v. HELVERSEN, O. & W. ISSEL (1989): Über JÄCKELS Nachweis des Riesenabendseglers *Nyctalus lasiopterus* in Franken. - Myotis 27: 151-155.
- v. HELVERSEN, O. (1989): Sozialrufe eines Abendsegler-Weibchens (*Nyctalus noctula*). - Myotis 27: 23-26.
- v. HELVERSEN, O. (1989): Bestimmungsschlüssel für die europäischen Fledermäuse nach äußeren Merkmalen. - Myotis 27: 41-60.
- v. HELVERSEN, O. (1989): Schutzrelevante Aspekte der Ökologie einheimischer Fledermäuse. - Schriftenreihe Bayer. Landesamt für Umweltschutz 92: 7-17.
- v. HELVERSEN, O. & WEID, R. (1990): Die Verbreitung einiger Fledermausarten in Griechenland. - Bonner Zool. Beitr. 41: 9-22.
- MAYER, F., O. v. HELVERSEN & EPPLER, J. (1991): Stammen Zwillingsgeschwister bei der Fledermaus *Nyctalus noctula* vom selben Vater? - Eine Verwandtschaftsanalyse mit Hilfe von "DNA fingerprinting". - Verh. Dtsch. Zool. Ges. 1991, 318-319.
- v. HELVERSEN, O. (1993): Adaptations of flowers to pollination by Glossophagine bats. - In: Animal-Plant Interactions in Tropical Environments. W. BARTHLOTT et al. (ed.): 41-59. Museum Alexander Koenig, Bonn
- ROCES, F., WINTER, Y. & O. v. HELVERSEN (1993): Nectar concentration preference and water balance in a flower visiting bat, *Glossophaga soricina antillarum*. - In: Animal-Plant Interactions in Tropical Environments. W. BARTHLOTT et al. (ed.): 159-165. Museum Alexander Koenig, Bonn
- WINTER, Y., O. v. HELVERSEN, NORBERG, U. M., KUNZ, T. H., STEFFENSEN, J. F. (1993): Flight cost and economy of nectar-feeding in the bat *Glossophaga soricina* (Phyllostomidae: Glossophaginae). - In: Animal-Plant Interactions in Tropical Environments. W. BARTHLOTT et al. (ed.): 167-174. Museum Alexander Koenig, Bonn
- NORBERG, U., KUNZ, T. H., STEFFENSEN, J. F., WINTER, Y., O. v. HELVERSEN (1993): The cost of hovering and forward flight in a nectar-feeding bat, *Glossophaga soricina*, estimated from aerodynamic theory. - J. exp. Biol. 182: 207-227.
- v. HELVERSEN, O. & D. v. HELVERSEN (1994): The "advertisement song" of the Lesser Noctule Bat (*Nyctalus leisleri*). - Folia Zoologica 43 (4): 331-338.
- VOIGT, C., WINTER, Y. & O. v. HELVERSEN (1994): Die energetischen Kosten des Schwirrfluges bei der blumenbesuchenden Fledermaus *Glossophaga soricina antillarum* (Phyllostomidae; Glossophaginae). - Verh. Dtsch. Zool. Ges. 87 (1): 265.

- v. HELVERSEN, O. (1995): Blumenfledermäuse und Fledermausblumen Wechselbeziehungen zwischen Blüte und Bestäuber und energetische Grenzbedingungen. - Rundgespräche der Kommission f. Ökologie, Tropenforschung 10: 217-229.
- BESTMANN, H. J., WINKLER, L. & O. v. HELVERSEN (1997): Headspace analysis of volatile flower scent constituents of bat-pollinated plants. - Phytochemistry 46 (7): 1169-1172.
- WINTER, Y., VOIGT, CH. & O. v. HELVERSEN (1998): Gas exchange during hovering flight in a nectar-feeding bat *Glossophaga soricina*. - J. exp. Biol. 201: 237-244.
- v. HELVERSEN, O. (1998): *Eptesicus bottae* (Mammalia, Chiroptera) auf der Insel Rhodos. - Bonner Zool. Beitr. 48: 113-121.
- WINTER, Y. & O. v. HELVERSEN (1998): The energy cost of flight: do small bats fly more cheaply than birds? - J. comp. Physiol. B 168: 105-111.
- TSCHAPKA, M. & O. v. HELVERSEN (1998): Coexistence and resource partitioning in a community of nectarfeeding bats in a tropical rainforest. - Zoology 101: 15.
- TSCHAPKA, M. & O. v. HELVERSEN (1999): Pollinators of syntopic *Marcgravia* species in Costa Rican lowland rainforest: bats and opossums. - Plant biol. 1: 382-388.
- v. HELVERSEN, D. & O. v. HELVERSEN (1999): Acoustic guide in bat-pollinated flower. - Nature 398: 759-760.
- TSCHAPKA, M., O. v. HELVERSEN & BARTHLOTT, W. (1999): Bat-pollination of *Weberocereus tunil-la*, an epiphytic rain forest cactus with functional flagelliflory. - Plant biol. 1: 554-559.
- HECKEL, G., VOIGT, C. C., MAYER, F. & O. v. HELVERSEN (1999): Extra-harem paternity in the white-lined bat *Saccopteryx bilineata* (Emballonuridae). - Behaviour 136 (9): 1173-1185.
- VOIGT, C. C. & O. v. HELVERSEN (1999): Storage and display of odor by male *Saccopteryx bilineata* (Chiroptera, Emballonuridae). - Behav. Ecol. Sociobiol 47: 29-40.
- v. HELVERSEN, O., MAYER, F. & KOCH, D. (2000): Comments on the proposed designation of single neotypes for *Vespertilio pipistrellus* Schreber, 1774 (Mammalia, Chiroptera) and for *Vespertilio pygmaeus* Leach, 1825. - Bulletin of Zoological Nomenclature 57: 113-115.
- v. HELVERSEN, O. & KOCH, C. (2000): *Pipistrellus "pygmaeus / mediterraneus"*: Erstnachweis für Bayern. - Nyctalus 7 (3): 329-330.
- KIEFER, A., KOSUCH, J., VEITH, M., MAYER, F. & O. v. HELVERSEN (2000): Kryptische Diversität unter europäischen Langohr-Fledermäusen. - Zeitschrift für Säugetierkunde 65: 23-24.
- v. HELVERSEN, O., WINKLER, L. & BESTMANN, H. J. (2000): Sulphur-containing "perfumes" attract flower-visiting bats. - J. comp. Physiol. A 186: 143-153.
- VOLLETH, M., BRONNER, G., GÖPFERT, M. C., HELLER, K.-G., O. v. HELVERSEN & YONG H.-S. (2001): Karyotype comparison and phylogenetic relationships of *Pipistrellus*-like bats (Vespertilionidae; Chiroptera; Mammalia). - Chromosome Research 9: 25-46.
- VOIGT, C. C., O. v. HELVERSEN, MICHENER, R. & KUNZ, T. H. (2001): The economics of harem maintenance in the sac-winged bat, *Saccopteryx bilineata* (Emballonuridae). - Behav. Ecol. Sociobiol. 50: 31-36.
- WINTER, Y. & O. v. HELVERSEN (2001): Bats as pollinators: foraging energetics and floral adaptations. - In: Cognitive Ecology of Pollination. In: CHITTKA, L. & J. THOMSON (ed.): Cambridge University Press: 148-170.
- v. HELVERSEN, O., HELLER, K.-G., MAYER, F., NEMETH, A., VOLLETH, M. & GOMBKÖTÖ, P. (2001): Cryptic mammalian species: a new species of Whiskered Bat (*Myotis alcathoe* n. sp.) in Europe. - Naturwissenschaften 88: 217-223.

- SPITZENBERGER, F. & O. v. HELVERSEN (2001): *Myotis capaccinii* (Bonaparte, 1837) - Langfußfledermaus. - In: Handbuch der Säugetiere Europas, Band 4: Fledertiere, Teil I: Chiroptera I (ed. J. NIETHAMMER & F. KRAPP), Aula Verlag Wiebelsheim: 281-302.
- MAYER, F. & O. v. HELVERSEN (2001): Cryptic diversity in European bats. - Proc. R. Soc. Lond. B 268: 1825-1832.
- MAYER, F. & O. v. HELVERSEN (2001): Sympatric distribution of two cryptic bat species across Europe. - Biol. J Linnean Soc. 74: 365-374.
- MAYER, F., PETIT, E. & O. v. HELVERSEN (2002) : Genetische Strukturierung von Populationen des Abendseglers (*Nyctalus noctula*) in Europa. - Schriftenr. Landschaftspflege Natur- schutz 71: 267-278.
- v. HELVERSEN O. & VOIGT, C. C. (2002): Glossophagine bat pollination in *Helicteres baruensis* (Sterculiaceae). - Ecotropica 8: 23-30.
- KIEFER, A., MAYER, F., KOSUCH, J., O. v. HELVERSEN & VEITH, M. (2002): Conflicting molecular phylogenies of European long-eared bats (*Plecotus*) can be explained by cryptic diversity. - Molecular Phylogenetics and Evolution 25: 557-566.
- HECKEL, G. & O. v. HELVERSEN (2002): Male tactics and reproductive success in the harem polygynous bat *Saccopteryx bilineata*. - Behavioral Ecology 13 (6): 760-756.
- HECKEL, G. & O. v. HELVERSEN (2003): Genetic mating system and the significance of harem associations in the bat *Saccopteryx bilineata*. - Molecular Ecology 12: 219-227.
- VOIGT, C.C., O. v. HELVERSEN, MICHENER, R. & KUNZ, T. H. (2003): Validation of a non-invasive blood-sampling technique for doubly-labelled water experiments. - J. exp. Zool. 296 A: 87-97.
- v. HELVERSEN, O. & WINTER, Y. (2003): Glossophagine bats and their flowers: costs and benefits for plants and pollinators. - In: Bat Ecology. KUNZ, T. H. & M. B. FENTON (eds.). University of Chicago Press: 346-397.
- v. HELVERSEN, D., HOLDERIED, M. W. & O. v. HELVERSEN (2003): Echoes of bat-pollinated bell-shaped flowers: conspicuous for nectar-feeding bats? - J. exp. Biol. 206: 1025-1034.
- v. HELVERSEN, O. & HOLDERIED, M. (2003): Zur Unterscheidung von Zergfledermaus (*Pipistrellus pipistrellus*) und Mückenfledermaus (*Pipistrellus mediterraneus/pygmaeus*) im Feld. - *Nyctalus* (N:F.), Berlin 8 (5) : 420-426.
- v. HELVERSEN, D. & O. v. HELVERSEN (2003): Object recognition by echolocation: a nectar- feeding bat exploiting the flowers of a rain forest vine. - J. comp. Physiol. A 189: 327- 336.
- WINTER, Y. & O. v. HELVERSEN (2003): Operational tongue length in phyllostomid nectar-feeding bats. - J. Mammal. 84 (3): 886-896.
- WINTER, Y., LÓPEZ, J. & O. v. HELVERSEN (2003): Ultraviolet vision in a bat. - Nature 425: 612- 614.
- HOLDERIED, M. W. & O. v. HELVERSEN (2003): Echolocation range and wingbeat period match in aerial-hawking bats. - Proc. R. Soc. London B 270: 2293-2299.
- KIEFER, A. & O. v. HELVERSEN (2004): *Plecotus macrobullaris* (Kuzjakin, 1965) - Alpenlangohr. - In: Handbuch der Säugetiere Europas, Band 4. Fledertiere Teil II. Chiroptera II (ed. J. NIETHAMMER & F. KRAPP), Aula Verlag Wiebelsheim: 1051-1058.
- KIEFER, A. & O. v. HELVERSEN (2004): *Plecotus kolombatovici* (Đulić, 1980) - Balkanlangohr, E: Balcan long-eared bat F: l'oreillard des Balkans. - In: Handbuch der Säugetiere Euro- pas Bd. 4. Fledertiere Teil II. Chiroptera II (ed. J. NIETHAMMER & F. KRAPP), Aula Verlag Wiebelsheim: 1060-1066.

- v. HELVERSEN, O. (2004): *Myotis alcathoe* v. Helversen und Heller, 2001 - Nymphenfledermaus. - In: Handbuch der Säugetiere Europas, Band 4. Fledertiere Teil II. Chiroptera II (ed. J. NIETHAMMER & F. KRAPP), Aula Verlag Wiebelsheim: 1160-1167.
- BEHR, O. & O. v. HELVERSEN (2004): Bat serenades - complex courtship songs of the sac-winged bat (*Saccopteryx bilineata*). - Behav. Ecol. Sociobiol. 56: 106-115.
- KOCH, C. U., GUTIÉRREZ J. E., RODRÍGUEZ A. & O. v. HELVERSEN (2004): Bat pollination in a Cuban ultramafic endemic: *Caesalpinia bahamensis* Lam. subsp. *orientensis* Borhidi. - In: Ultramafic rocks: Their soils, vegetation and fauna. BOYD R. S., BAKER A. J. M. & JOHN PROCTOR (eds.), Science Reviews 2000 Ltd. St Albans, Herts AL 1 4ZG, UK: 243-253.
- KALPAKIS, S., PAPADATU, E. & O. v. HELVERSEN (2005): Balcony of an urban building: an unintended trap for free-tailed bats (*Tadarida teniotis*) in the city of Thessaloniki / Balkon eines Hochhauses in der Innenstadt von Thessaloniki als Falle für Bulldoggfledermäuse (*Tadarida teniotis*). - Nyctalus (N.F.) Berlin 10 (1): 79-81.
- v. HELVERSEN, O. (2005): Sehende Ohren - tönende Blüten - insektenjagende und nektarsuchende Fledermäuse. - In: "...sind eben alles Menschen" Verhalten zwischen Zwang, Freiheit und Verantwortung. ELSNER N. & G. LÜER (eds). Wallstein Verlag: 9-26.
- VOIGT, C. C., MICHENER, R., WIBBELT, G., KUNZ, T. H. & O. v. HELVERSEN (2005): Blood-sucking bugs as a gentle method for blood-collection in water budget studies using doubly labelled water. - Comparative Biochemistry and Physiology A 142: 318-324.
- MACIAS, S., MORA, E. C., KOCH, C. & O. v. HELVERSEN (2005): Echolocation behaviour of *Phyllops falcatus* (Chiroptera: Phyllostomidae): unusual frequency range of the first harmonic. - Acta Chiropterologica 7 (2): 275-283.
- VOIGT, C. C., HECKEL, G. & O. v. HELVERSEN (2006): Conflicts and strategies in the harem-polygynous mating system of the sac-winged bat, *Saccopteryx bilineata*. - In: Functional and Evolutionary Ecology of Bats. ZUBAID A., MCCRACKEN, G.F. & T. H. KUNZ (eds). Oxford University Press: 269-289.
- HOLDERIED, M. W., JONES, G. & O. v. HELVERSEN (2006): Flight and echolocation behaviour of whiskered bats commuting along a hedgerow: range-dependent sonar signal design, Doppler tolerance and evidence for "acoustic focusing". - J. exp. Biol. 209: 1816-1826.
- HOLDERIED M. W. & O. v. HELVERSEN (2006): 'Binaural echo disparity' as a potential indicator of object orientation and cue for object recognition in echolocating nectar-feeding bats. - J. exp. Biol. 209: 3457-3468.
- SIMON, R., HOLDERIED, M. W. & O. v. HELVERSEN (2006): Size discrimination of hollow hemispheres by echolocation in a nectar feeding bat. - J. exp. Biol. 209: 3599-3609.
- TSCHAPKA, M., DRESSLER, S. & O. v. HELVERSEN (2006): Bat visits to *Marcgravia pittieri* and notes on the inflorescence diversity within the genus *Marcgravia* (Marcgraviaceae). - Flora 201: 383-388.
- KNÖRNERSCHILD, M., BEHR, O. & O. v. HELVERSEN (2006): Babbling behavior in the sac-winged bat (*Saccopteryx bilineata*). - Naturwissenschaften 93: 451-454.
- SACHTELEBEN, J. & O. v. HELVERSEN (2006): Songflight behaviour and mating system of the pipistrelle bat (*Pipistrellus pipistrellus*) in an urban habitat. - Acta Chiropterologica 8 (2): 391-401.
- KOCH, C. U. & O. v. HELVERSEN (2006): Secondary pollen presentation in Cuban bat pollinated *Lobelia*: precise deposition of pollen and mechanical species isolation. - Bot. Jahrb. Syst. 127 (1): 105-114.
- KELM, D. H. & O. v. HELVERSEN (2007): How to budget metabolic energy: torpor in a small Neotropical mammal. - J. comp. Physiol. B 177: 667-677.

- TSCHAPKA, M. & O. v. HELVERSEN (2007): Phenology, nectar production and visitation behaviour of bats on the flowers of the bromeliad *Werauhia gladioliflora* in a Costa Rican lowland rain forest. - Journal of Tropical Ecology 23: 385-395.
- MÜLLER, B., PEICHL, L., WINTER, Y., v. HELVERSEN, O. & M. GLÖSMANN (2007): Cone photoreceptors and ultraviolet vision in the flower bat *Glossophaga soricina* (Microchiroptera, Phyllostomidae). - Neurobiologen-Tagung Göttingen (abstract).
- KNÖRNSCHILD, M., O. v. HELVERSEN, O. & MAYER, F. (2007): Twin siblings sound alike: isolation call variation in the noctule bat, *Nyctalus noctula*. - Animal Behaviour 74: 1055-1063.
- JUNG, K., KALKO, E. K. V. & O. v. HELVERSEN (2007): Echolocation calls in Central American emballonurid bats: signal design and call frequency alternation. - J. Zool. 272: 125-137.
- NIERMANN, I., BIEDERMANN, M., BOGDANOWICZ, W., BRINKMANN, R., LE BRIS, Y., CIECHANOWSKI, M., DIETZ, C., DIETZ, I., ESTÓK, P., v. HELVERSEN, O., LE HOUÉDEC, A., PAKSUZ, S., PETROV, B. P., ÖZKAN, B., PIKSA, K., RACHWALD, A., ROUÉ, S. Y., SACHANOWICZ, K., SCHORCHT, W., TEREBA, A. & MAYER, F. (2007): Biogeography of the recently described *Myotis alcathoe* von Helversen and Heller, 2001. - Acta Chiropterologica 9 (2): 361-378.
- DIETZ, C., O. v. HELVERSEN & NILL D. (2007): Handbuch der Fledermäuse Europas. - Kosmos-Verlag, Stuttgart, 399 p.
- KELM, D., WIESNER, K. & O. v. HELVERSEN (2008): Effects of artificial roosts for frugivorous bats on seed dispersal in a Neotropical forest pasture mosaic. - Conservation Biology 22 (3): 733-741.
- KNÖRNSCHILD, M. & O. v. HELVERSEN (2008): Nonmutual vocal mother - pup recognition in the greater sac-winged bat. - Animal Behaviour 76 (3): 1001-1009.
- VOIGT, C. C., BEHR, O., CASPERS B., O. v. HELVERSEN, KNÖRNSCHILD, M., MAYER, F. & NAGY M. (2008): Songs, scents, and senses: sexual selection in the greater sac-winged bat, *Saccopteryx bilineata*. - J. Mammal. 89 (6): 1401-1410.
- KELM, D. H., WIESNER, K. R. & O. v. HELVERSEN (2008): Are there benefits of bat roosts for tropical forest restoration? - Conservation Biology 22 (5): 1090-1091.
- BEHR, B., KNÖRNSCHILD, M. & O. v. HELVERSEN (2009): Territorial counter-singing in male sac-winged bats (*Saccopteryx bilineata*): low-frequency songs trigger a stronger response. - Behav. Ecol. Sociobiol. 63 (3): 433-442
- KNÖRNSCHILD, M., HARVIEW, C., MOSELEY, R. & O. VON HELVERSEN (2009): Remaining cryptic during motion - behavioral synchrony in the proboscis bat (*Rhynchonycteris naso*). - Acta Chiropterologica 11 (1): 208-212.

Arbeiten an anderen Tiergruppen

- v. HELVERSEN, O. (1963): Beobachtungen zum Verhalten und zur Brutbiologie des Spornkiebitzes (*Hoplopterus spinosus*). - J. Ornithol. 104: 89-96.
- v. HELVERSEN, O. (1965): Scientific Expedition to the Salvage Islands. Einige Pseudoskorpione von den Ilhas Selvagens. - Biol. Mus. Mun. Funchal XIX (84): 95-103.
- v. HELVERSEN, O. (1966): Pseudoskorpione aus dem Rhein-Main-Gebiet. - Senck. biol. 47: 131-150.
- v. HELVERSEN, O. (1966): Über die Homologie der Tasthaare bei Pseudoskorpionen. - Senck. biol. 47: 185-195.
- v. HELVERSEN, O. (1968): *Troglochthonius doratodactylus* n. sp., ein troglobionter Chthoniide (Arachnida: Pseudoscorpiones: Chthoniidae). - Senck. biol. 49: 59-65.

- v. HELVERSEN, O. (1968): Eine Zwergscharbe - *Phalacrocorax pygmeus* - am Kühkopf im August 1958. - *Luscinia* 40(3/4): 112-113.
- v. HELVERSEN, O. (1969): *Roncus (Parablothrus) peramae* n. sp., ein troglobionter Neobisiide aus einer griechischen Tropfsteinhöhle (Arachnida: Pseudoscorpiones: Neobiidae). - *Senck. biol.* 50: 225-233.
- v. HELVERSEN, O. (1969): Leben und Tod als biologisches Phänomen. - *Arzt und Christ* 15 (3/4): 139-149.
- v. HELVERSEN, O. & HARMS, K.-H. (1969): Für Deutschland neue Wolfsspinnen der Gattungen *Pirata* und *Pardosa* (Arachnida: Araneae: Lycosidae). - *Senck. biol.* 50: 367- 373.
- BAUER, W., v. HELVERSEN, O., HODGE, M. & MARTENS, J. (1969): Catalogus Faunae Graeciae, Pars. II, Aves. 203 S.
- BAUER, W., v. HELVERSEN, O., HODGE, M. & MARTENS, J. (1969): Bemerkenswerte Brutnachweise aus Griechenland. - *J. Ornithol.* 110: 79-89.
- v. HELVERSEN, O. & MARTENS, J. (1971): Pseudoskorpione und Weberknechte der Wutachschlucht. - In: Die Wutach (Hrsg. K. SAUER & M. SCHNETTER): 377-385, Freiburg.
- v. HELVERSEN, O. & MARTENS, J. (1972): Unrichtige Fundortangaben in der Arachnidensammlung ROEWER. - *Senck. biol.* 53: 109-123.
- v. HELVERSEN, O. (1972): Zur spektralen Unterschiedsempfindlichkeit der Honigbiene. - *J. comp. Physiol.* 80: 439-472.
- v. HELVERSEN, O. (1972): The relationship between difference in stimuli and choice frequency in training experiments with the honey bee. - In: Information Processing in the Visual Systems of Arthropods. WEHNER, R. (ed): 323-334, Springer-Verlag.
- v. HELVERSEN, O. (1974): Dressurversuche mit Bienen. - *BIUZ* 4: 119-124.
- v. HELVERSEN, O. (1974): Sinnesorgane - Informatoren über die Umwelt. Teil I und II. - In: Studienbegleitbriefe für das Funkkolleg Biologie, 5: 7-44 und 51-61, Beltz Verlag, Weinheim und Basel.
- v. HELVERSEN, O. (1974): Die Wolfsspinnen (Lycosidae) im Schutzgebiet "Taubergießen". Voraufge List der Amphibien und Reptilien. - In: Das Taubergießengebiet, 548-549 und 589-590, Ludwigsburg.
- EDRICH, W. & O. v. HELVERSEN (1976): Polarized light orientation of the honey bee: the minimum visual angle. - *J. comp. Physiol.* 109: 309-314.
- v. HELVERSEN, O. (1976): Gedanken zur Evolution der Paarungsstellung bei den Spinnen. - *Ent. Germ.* 3 (1/2): 13-28.
- GACK, C. & O. v. HELVERSEN (1976): Verhaltensbeobachtungen an einer gynandromorphen Wolfspinne (Araneae: Lycosidae). - *Ent. Germ.* 3 (1/2): 109-118.
- EDRICH, W., NEUMEYER, CH. & O. v. HELVERSEN (1979): "Anti-sun orientation" of bees with regard to a field of ultraviolet light. - *J. comp. Physiol.* 134: 151-157.
- v. HELVERSEN, O., VOLLETH, M. & NUNEZ, J. (1986): A new method for obtaining blood from a small mammal without injuring the animal: use of triatomid bugs. - *Experientia* 42: 809-810.
- EDRICH, W. & O. v. HELVERSEN (1987): Polarized light orientation in honey bees: Is time a component in sampling? - *Biol. Cybern.* 56: 89-96.
- v. HELVERSEN, O. & SCHERER, K. R. (1987): Nonverbale Kommunikation. - In: Funkkolleg Psychobiologie - Verhalten bei Mensch und Tier (Hrsg. IMMELMANN, K., K. R. SCHERER & C. VOGEL) 11: 11-57, Beltz-Verlag.

BARTHEL, J. & O. v. HELVERSEN (1990): *Pardosa wagleri* (Hahn 1822) and *Pardosa saturatior* Simon 1937, a pair of sibling species (Araneae, Lycosidae). - Bull. Soc. eur. Arachnol. H.S. 1: 17-23.

CORDES, D. & O. v. HELVERSEN (1990): Indications for the existence of *Alopecosa barbipes* (Sundevall 1832) as a sibling species to *Alopecosa accentuata* (Latreille 1817). Results of morphological, ethological and biogeographical studies. - Bull. Soc. eur. Arachnol. H.S. 1: 70-74

TÖPFER-HOFMANN, G. & O. v. HELVERSEN (1990): Four species of the *Pardosa lugubris*-group in Central Europe (Araneae, Lycosidae). A preliminary report. - Bull. Soc. eur. Arachnol. H. S. 1: 349-352.

BECK-KING, H. & O. v. HELVERSEN (1999): Home range, population density, and food resources of *Agouti pacá* (Rodentia: Agoutidae) in Costa Rica: A study using alternative methods. - Biotropica 31 (4): 675-685.

TÖPFER-HOFMANN, G., CORDES, D. & O. v. HELVERSEN (2000): Cryptic species and behavioural isolation in the *Pardosa lugubris* group (Aranae; Lycosidae) with description of two new species. - Bull. Brit. arachnol. Soc. 11 (7): 257-274.

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Zoologisch-Botanische Datenbank/Zoological-Botanical Database

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