

The following six publications were only discovered in June 2006 and were not included in our 2004 & 2005 publications list.

- 1568 Neumann, P. & Hartel, S. (2004). Removal of small hive beetle (*Aethina tumida*) eggs and larvae by African honeybee colonies (*Apis mellifera scutellata*). *Apidologie* 35: 31-36.
- 1569 Hoffmann, W.R.E., Torres, A. & Neumann, P. (2004). A scientific note on the nest and colony development of the Neotropical bumble bee *Bombus* (*Robustobombus*) *melaleucus*. *Apidologie* 35: 449-450.
- 1570 Kraus, F.B., Neumann, P., van Praagh, J. & Moritz, R.F.A. (2004) Sperm limitation and the evolution of extreme polyandry in honeybees (*Apis mellifera* L.). *Behavioural Ecology Sociobiology* 55: 494-501.
- 1571 Murrle, T. & Neumann, P. (2004). Mass production of small hive beetles (*Aethina tumida*, Coleoptera: Nitidulidae). *Journal of Apicultural Research* 43(2): 144-145.
- 1572 Neumann, P. & Elzen, P.J. (2004). The biology of the small hive beetle (*Aethina tumida*, Coleoptera: Nitidulidae): Gaps in our knowledge of an invasive species. *Apidologie* 35: 229-247.
- 1573 Neumann, P. & Ritter, W. (2004). A scientific note on the association of *Cychramus luteus* (Coleoptera: Nitidulidae) with honeybee (*Apis mellifera*) colonies. *Apidologie* 35: 665-666.
- 1574 Pirk, C.W.W., Hepburn, H.R. & Radloff, S.E. (2005). Morphological differences between *A. cerana* and *A. mellifera*. *Honeybee Science* 26 (4): 153-158.(In Chinese)

Departmental Publications of 2006.

- 1575 Allan, E.L., Froneman, P.W. & Hodgson, A.N. (2006). Effects of temperature and salinity on the standard metabolic rate (SMR) of the caridean shrimp *Palaemon peringueyi*. *Journal of Experimental Marine Biology and Ecology* 337: 103-108.
- 1576 Bernard, R.T.F & Parker, D.M. (2006). The use of archaeological and ethnographical information to supplement the historical record of the distribution of large mammalian herbivores in South Africa. *South African Journal of Science* 102: 117-119.
- 1577 Bernard, A.T.F. & Froneman, P.W. (2006). Euphausiid population structure and grazing in the Antarctic Polar Frontal Zone – austral autumn 2004. *African Journal of Marine Science* 28 (3&4): 569-579.

- 1578 Bownes, S.J. & McQuaid, C.D. (2006). Will the invasive mussel *Mytilus galloprovincialis* Lamarck replace the indigenous *Perna perna* L. on the south coast of South Africa? *Journal of Experimental Marine Biology and Ecology* 338: 140-151.
- 1579 Buchholz, S., Neumann, P., Merkel, K. & Hepburn, H.R. (2006). Evaluation of *Bacillus thuringiensis* Berliner as an alternative control of small hive beetles, *Aethina tumida* Murray (Coleoptera: Nitidulidae). *Journal of Pest Science* 79: 251-254.
- 1580 Chawanji, A.S., Hodgson, A.N. & Villet, M.H. (2006). Sperm morphology in five species of cicadettine cicadas (Hemiptera: Cicadomorpha: Cicadidae). *Tissue and Cell* 38: 373-388.
- 1581 da Silva, C. & Villet, M.H. (2006). Effects of prophylactic progesterone in decomposing tissues on the development of *Chrysomya chloropyga* (Wiedeman) (Diptera: Calliphoridae). *African Entomology* 14 (1): 199-202.
- 1582 Davies-Coleman, M.T., Froneman, P.W., Keyzers, R.A., Whibley, C., Hendricks, C., Samaai, T. & McQuaid, C.D. (2006). Anti-oesophageal cancer activity in extracts of deep-water Marion Island sponges. *South African Journal of Science* 101:489-490.
- 1583 Diaz, E., Gülden-zoph, C., Molis, M., McQuaid, C.D. & Wahl, M. (2006). Variability in grazer-mediated defensive responses of green and red macroalgae on the south coast of South Africa. *Marine Biology* 149: 1301-1311.
- 1584 Dietemann, V., Pflugfelder, J., Härtel, S., Neumann, P. & Crewe, R.M. (2006). Social parasitism by honeybee workers (*Apis mellifera capensis* Esch.): evidence for pheromonal resistance to host queen's signals. *Behavioural Ecology and Sociobiology* 60: 785-793.
- 1585 Ellis, J.D. & Hepburn, H.R. (2006). An ecological digest of the small hive beetle (*Aethina tumida*), a symbiont in honey bee colonies (*Apis mellifera*). *Insectes Sociaux* 53: 8-19.
- 1586 Erlandsson, J., Pal, P. & McQuaid, C.D. (2006). Re-colonisation rate differs between co-existing indigenous and invasive intertidal mussels following major disturbance. *Marine Ecology Progress Series* 320: 169-176.
- 1587 Froneman, P.W. (2006). The importance of phytoplankton size in mediating trophic interactions within the plankton of a southern African estuary. *Estuarine, Coastal and Shelf Science* 70: 693-700.

- 1588 Froneman, P.W. (2006). Population demographics of *Palaemon peringueyi* (Macpherson 1990) (Decapoda: Palaemonidae) in a small intermittently open Eastern Cape estuary. *African Journal of Aquatic Science* 31 (2): 197-203.
- 1589 Härtel, S., Neumann, P., Kryger, P., von der Heide, G., Moltzer, G.J., Crewe, R.M., van Praagh, J.P. & Moritz, R.F.A. (2006). Infestation levels of *Apis mellifera scutellata* swarms by socially parasitic Cape honeybee workers (*Apis mellifera capensis*). *Apidologie* 37: 462-470.
- 1590 Härtel, S., Neumann, P., Raassen, F.S., Moritz, R.F.A. & Hepburn, H.R. (2006). Social parasitism by Cape honeybee workers in colonies of their own subspecies (*Apis mellifera capensis* Esch.). *Insectes Sociaux* 53: 183-193.
- 1591 Hepburn, H.R. (2006). Absconding, migration and swarming in honeybees: An ecological and evolutionary perspective. In: *Life Cycles in Social insects: Behaviour, Ecology and Evolution* V.E. Kipyatkov (Ed.) 121-135. St. Petersburg University Press, St Petersburg.
- 1592 Hill, J.M., McQuaid, C.D. & Kaehler, S. (2006). Biogeographic and nearshore-offshore trends in isotope ratios of intertidal mussels and their food sources around the coast of southern Africa. *Marine Ecology Progress Series* 318: 63-73.
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- 1594 Jacob, U., Brey, T., Fetzer, I., Kaehler, S., Mintenbeck, K., Dunton, K., Beyer, K., Struck, U., Pakhomov, E.A. & Arntz, W.E. (2006). Towards the trophic structure of the Bouvet Island marine ecosystem. *Polar Biology* 29: 106-113.
- 1595 Jamieson, B.G.M., Hodgson, A. & Spottiswoode, C.N. (2006). Ultrastructure of the spermatozoon of *Myrmecocichla formicivora* (Vieillot, 1881) and *Philetairus socius* (Latham, 1790) (Aves; Passeriformes), with a new interpretation of the passeridan acrosome. *Acta Zoologica (Stockholm)* 87: 297-304.
- 1596 Kaehler, S., Pakhomov, E.A., Kalin, R.M. & Davis, S. (2006). Trophic importance of kelp-derived suspended particulate matter in a through-flow sub-Antarctic system. *Marine Ecology Progress Series* 316: 17-22.
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- 1600 Midgley, J.M., Hill, M.P. & Villet, M.H. (2006). The effect of water hyacinth, *Eichhornia crassipes* (Martius) Solms-Laubach (Pontederiaceae), on benthic biodiversity in two impoundments on the New Year's River, South Africa. *African Journal of Aquatic Science* 31 (1): 25-30.
- 1601 Muerrle, T.M., Neumann, P., Dames, J.F., Hepburn, H.R. & Hill, M.P. (2006). Susceptibility of Adult *Aethina tumida* (Coleoptera: Nitidulidae) to entomopathogenic fungi. *Journal of Economic Entomology* 99 (1): 1-6.
- 1602 Naran, D., Skelton, P.H. & Villet, M.H. (2006). Karyology of the redfin minnow, genus *Pseudobarbus* Smith, 1841 (Teleostei: Cyprinidae): one of the evolutionarily tetraploid lineages of South Africa barbines. *African Zoology* 41 (2): 178-182.
- 1603 Neumann, P., Radloff, S.E., Mortiz, R.F.A., Hepburn, H.R. & Reece, S.L. (2006). Social parasitism by honeybee workers (*Apis mellifera capensis* Escholtz): host finding and resistance of hybrid host colonies. *Behavioral Ecology* 12: 419-428.
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- 1606 Peinke, D.M. & Brown, C.R. (2006). Habitat use by the southern springhare (*Pedetes capensis*) in the Eastern Cape Province, South Africa. *South African Journal of Wildlife Research* 36 (2): 103-111.
- 1607 Plön, S. & Bernard, R.T.F. (2006). A review of spermatozoan morphology in Cetacea with new data for the genus *Kogia*. *Journal of Zoology* 269: 466-473.
- 1608 Porri, F., McQuaid, C.D. & Radloff, S. (2006). Temporal scales of variation in settlement and recruitment of the mussel *Perna perna* (Linnaeus, 1758). *Journal of Experimental Marine Biology and Ecology* 332: 178-187.
- 1609 Porri, F., McQuaid, C.D. & Radloff, S. (2006). Spatio-temporal variability of larval abundance and settlement of *Perna perna*: differential delivery of mussels. *Marine Ecology Progress Series* 315: 141-150.

- 1610 Proudfoot, L., Kaehler, S., McGarry, D.K., Uppink, P.A., Aereboe, M. & Morris, K.M. (2006). Exploitation status of infralittoral abalone (*Haliotis midae*) and alikreukel (*Turbo sarmaticus*) in the southern section of the Eastern Cape coast, South Africa. *South African Journal of Science* 102: 162-168.
- 1611 Ripley, B.S., Muller, E., Behenna, M., Whittington-Jones, G.M. & Hill, M.P. (2006). Biomass and photosynthetic productivity of water hyacinth (*Eichhornia crassipes*) as affected by nutrient supply and mirid (*Eccritotarus catarinensis*) biocontrol. *Biological Control* 39: 392-400.
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- 1614 Schäfer, M.O., Dietemann, V., Pirk, C.W.W., Neumann, P., Crewe, R.M., Hepburn, H.R., Tauntz, J. & Crailsheim, K. (2006). Individual versus social pathway to honeybee worker reproduction (*Apis mellifera*): pollen or jelly as protein source for oogenesis? *Journal of Comparative Physiology A* 192: 761-768.
- 1615 Schlüns, E.A., Neumann, P., Schlüns, H., Hepburn, H.R. & Mortiz, R.F.A. (2006). Nestmate recognition and genetic variability among individuals from nests of the queenless ponerine ant, *Streblognathus aethiopicus* Smith (Hymenoptera: Formicidae). *African Entomology* 14 (1): 95-102.
- 1616 Simon, C.A., Ludford, A. & Wynne, S. (2006). Spionid polychaetes infesting cultured abalone *Haliotis midae* in South Africa. *African Journal of Marine Science* 28(1): 167-171.
- 1617 Spiewok, S., Neumann, P. & Hepburn, H.R. (2006). Preparation for disturbance-induced absconding of Cape honeybee colonies (*Apis mellifera capensis* Esch.). *Insectes Sociaux* 53: 27-31.
- 1618 Spiewok, S. & Neumann, P. (2006). Infestation of commercial bumblebee (*Bombus impatiens*) field colonies by small hive beetles (*Aethina tumida*). *Ecological Entomology* 31: 623-628.
- 1619 Spiewok, S. & Neumann, P. (2006). Cryptic low-level reproduction of small hive beetles in honey bee colonies. *Journal of Apicultural Research and Bee World* 45 (1): 47-48.

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- 1623 Villet, M.H., MacKenzie, B. & Muller, W.J. (2006). Larval development of the carrion-breeding flesh fly, *Sarcophaga (Liosarcophaga) tibialis* Macquart (Diptera: Sarcophagidae), at constant temperatures. *African Entomology* 14: 357-366.
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- 1627 Zardi, G.I., Nicastro, K.R., Porri, F. & McQuaid, C.D. (2006). Sand stress as a non-determinant of habitat segregation of indigenous (*Perna perna*) and invasive (*Mytilus galloprovincialis*) mussels in South Africa. *Marine Biology* 148: 1031 – 1038.
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