



<http://dx.doi.org/10.11646/zootaxa.3995.1.3>

<http://zoobank.org/urn:lsid:zoobank.org:pub:2A9ACIDE-BCCE-47F8-9CA3-95FF32AA622D>

Foreword

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This special issue honours the life and work of Roger Bamber, who made an outstanding contribution to the field of marine biology and taxonomy. Roger died in February 2015 at the age of 65, from complications arising from severe motor neuron disease (Amyotrophic lateral sclerosis). This was a tragic loss for his former wife Jane, family and all who knew him.

The editors chose *Zootaxa* for this special issue since Roger had considerable involvement with the journal over many years as subject editor for the Pycnogonida, Tanaidacea and Cumacea. We are grateful to Zhi-Qiang Zhang, Editor-in-Chief of *Zootaxa*, for making this possible.

This issue, which attracted a total of 20 papers from 44 authors, is testimony to Roger's influence and popularity both as a scientist and the personal friendships he made throughout his distinguished career. The contributing authors are based in Australia, Belgium, China, Germany, Japan, New Zealand, Norway, Poland, Portugal, Spain, U.S.A and the UK; but include only a few of his many international colleagues and friends. Of the 29 new taxa described, 27 are named in honour of Roger (Table 1), 14 of which are eponymous, and two for Roni Robbins, his partner at ARTOO Marine Biology Consultants. These add to the eight other taxa named previously for Roger (Table 2).

The editors are grateful to all who made this special issue possible, particularly Tammy Horton and the authors and peer reviewers whose dedication and attention to detail make this publication a fitting recognition of Roger's legacy.



PLATE 1. Roger N. Bamber, at the Porcupine Marine Natural History Society Annual Dinner, 2010. Courtesy of Sue Hamilton.

TABLE 1. New genera and species in this volume.

| Group | Species | Authors |
|---------------|--|---|
| Polychaeta | <i>Antonbruunia sociabilis</i> sp. nov. | Mackie, Oliver & Nygen |
| Pycnogonida | <i>Cheilopallene bamberi</i> sp. nov. | Staples |
| Pycnogonida | <i>Cheilopallene ogasawarensis</i> sp. nov. | Nakamura & Akiyama |
| Pycnogonida | <i>Pycnogonum bamberi</i> sp. nov. | Munilla, Murillo & Soler-Membrives |
| Pycnogonida | <i>Sericosura bamberi</i> sp. nov. | Arango & Linse |
| Pycnogonida | <i>S. dimorpha</i> sp. nov. | Arango & Linse |
| Pycnogonida | <i>S. curva</i> sp. nov. | Arango & Linse |
| Amphipoda | <i>Nicippe rogeri</i> sp. nov. | Lörz & Schnabel |
| Amphipoda | <i>Haptocallisoma lemarete</i> gen. et sp. nov. | Horton & Thurston |
| Amphipoda | <i>Paracallisoma idioxenos</i> sp. nov. | Horton & Thurston |
| Amphipoda | <i>Pseudocallisoma</i> gen. nov. | Horton & Thurston |
| Amphipoda | <i>Waldeckia bamberi</i> sp. nov. | Lowry & Kilgallen |
| Cumacea | <i>Platycuma bamberconfabulor</i> sp. nov. | Gerken & Watling |
| Tanaidacea | <i>Bathyleptochelia chingilingi</i> sp. nov. | Stępień & Jakiel |
| Tanaidacea | <i>Cacoheterotanais rogerbamberi</i> sp. nov. | Morales-Núñez & Heard |
| Tanaidacea | <i>Calozodion pabisi</i> sp. nov. | Jakiel & Józwiak |
| Tanaidacea | <i>Cryptocopoides obaloba</i> sp. nov. | Józwiak & Błazewicz-Paszkowycz |
| Tanaidacea | <i>Indoapseudes bamberi</i> sp. nov. | Kakui & Naruse |
| Tanaidacea | <i>Macrolabrum maui</i> sp. nov. | Bird & Webber |
| Tanaidacea | <i>Pseudotanais artoo</i> sp. nov. | Błazewicz-Paszkowycz & Stępień |
| Tanaidacea | <i>Tanaissus bamberi</i> sp. nov. | Esquete, Rubal, Veiga & Troncoso |
| Decapoda | <i>Heardaxius rogerbamberi</i> sp. nov. | Poore |
| Decapoda | <i>Munidopsis bamberi</i> sp. nov. | Schnabel & Ahyong |
| Decapoda | <i>Munidopsis sculpo</i> sp. nov. | Schnabel & Ahyong |
| Bivalvia | <i>Parathyasira bamberi</i> sp. nov. | Oliver |
| Holothuroidea | <i>Sigmodota magdarogera</i> sp. nov. | O'Loughlin, Mackenzie, VandenSpiegel, & Griffiths |
| Holothuroidea | <i>Taeniogyrus bamberi</i> sp. nov. | O'Loughlin, Mackenzie, VandenSpiegel, & Griffiths |
| Holothuroidea | <i>Prototrochus roniae</i> sp. nov. | O'Loughlin & Macintosh |
| Holothuroidea | <i>Prototrochus robbinsae</i> sp. nov. | O'Loughlin & Macintosh |

TABLE 2. New genera and species previously named in honour of Roger Bamber.

| Group | Taxon | Authority |
|--------------|---|--------------------------------------|
| Pycnogonida | <i>Bamberene dorsospina</i> (Clark, 1963) | Staples, 2014 |
| Pycnogonida | <i>Austrodecus bamberi</i> | Wang, Huang, Lin & Zheng, 2013 |
| Ostracoda | <i>Cypridopsis bamberi</i> | Henderson, 1986 |
| Tanaidacea | <i>Bamberus jinigudirus</i> | Stępień & Błazewicz-Paszkowycz, 2013 |
| Tanaidacea | <i>Chauliopleona bamberi</i> | Bird, 2015 |
| Tanaidacea | <i>Kalliapseudes bamberi</i> | Drumm & Heard, 2011 |
| Tanaidacea | <i>Leptognathia bamberi</i> | Larsen & Shimomura, 2007 |
| Tanaidacea | <i>Makassaritanais bamberi</i> | Guțu, 2012 |

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Roger Norman Bamber (1949–2015)

Roger was born on the 1st September 1949 in Lewisham, to Frank and Ethel Bamber. He was brother to Les and Anice and grew up in Catford, South London. He was educated at Haberdashers' Aske's Boys' School, where his interest in the natural world was sparked and encouraged. He always remembered a particularly good botany teacher who inspired him to achieve high marks, yet his overwhelming interest was zoology.

When Roger announced to his parents that he wanted to go to university to study zoology, he found they were unable to support him, so he embarked on a short yet varied career outside the world of science. He became a "ganger" on a building site but was dismissed for bad time-keeping. He then found a job as a salesman in the first MFI showroom in Balham, where he excelled at selling cheap flat-pack furniture. Before long, Roger was given the chance to manage the new MFI superstore in Southampton, but to the shock of his employers he declined, and accepted an offer of a place at Newcastle University to study Zoology.

Roger graduated in 1974 with First Class Honours and a passion for marine biology, nurtured whilst working at the Dove Marine Laboratory. Roger stayed at Newcastle to undertake his doctoral studies on '*The effects of dumped pulverised fuel ash on the benthic fauna of the Northumberland coast*' under the tutelage of Frank Evans. He completed his PhD in 1978, having also published his first scientific paper in 1977. So began a lifelong interest in the marine environment, and an eclectic career that saw him leave an indelible mark in many fields.

During and directly following his PhD, Roger curated the freshwater bivalve collection at the Tyne-and-Wear Museums Service, then in 1978 he joined the Central Electricity Generating Board (thence National Power plc; now RWE power) as a Research Officer at the Marine Biology Unit, where he stayed for 14 years. Here, Roger was able to pursue his interest in the interactions between the marine environment and power generation. In 1992, Roger became Director of Fawley Aquatic Research Laboratories Ltd, where he was in charge of marine ecological studies, invertebrate biology and taxonomy, environmental impact assessment, creative conservation, and marketing and publicity.

In May 1998, Roger was appointed Consultancy Leader (Environment: Coastal and Marine) at The Natural History Museum, London, where he worked for ten years; afterwards, he remained as a Scientific Associate of the Zoology Department. Increasingly, his role at the Museum involved earning commercial income, both for the Zoology department and the Museum, yet he was determined to study his beloved beasts and, working indefatigably in his spare time, he established a prolific publication record. Roger was very proud of what he

achieved at the Natural History Museum but, increasingly frustrated by the internal politics and administration, he eventually took the decision to resign. He briefly joined Jacobs Environmental, then in 2008 established ARTOO Marine Biology Consultants with Roni Robbins, his close friend and ally. Both Roger and Roni enjoyed the freedom this provided and they worked very happily together.

Roger's interests were incredibly diverse—from benthic marine and estuarine community ecology, to marine invertebrate biology and life history, marine zoogeography, South China Sea cave fauna, and marine meiofauna. He was fascinated by population parasitology, atherinid biology, coastal saline lagoons, environmental impact assessment, ecophysiology and ecotoxicology, marine pollution, and commercial fouling. All resulted in peer reviewed scientific publications; he published a total of 218 scientific papers in his lifetime (see below) and wrote many hundreds of reports, non- peer reviewed papers, and articles.

Roger is probably best known in taxonomic circles for his work on both pycnogonids and tanaidaceans. His first paper in 1979 was on the Pycnogonida (or 'pycnobeasts' as he always referred to them), and described a new species of *Endeis* from West Africa. His love of the Pycnogonida was enduring - forty-six papers followed—and he established an order, a family, a subfamily, a genus and 42 species new to science. With Aliya El Nager, he established 'PycnoBase', a fitting legacy of his contribution to pycnogonid systematics, since it represents the foundations for all future work in the field. Roger was particularly proud of his 2010 book '*Sea-spiders (Pycnogonida) of the Northeast Atlantic. Keys and notes to the identification of species*', published by the Linnean Society. Yet, according to his colleague, Judith C. Price, Roger said that if all the pycnogonids on Earth were to vanish, he would be one of only five organisms left who 'gave a damn' (Judith added that she will be one of the very many who give a damn that Roger has vanished).

His second love was perhaps the Tanaidacea, and he always regretted that he began to work on them relatively late in his career. His first paper on tanaidaceans, on the fauna of the Cullercoats district, was published in 1986, yet his first taxonomic work on this group was not published until 1990. That paper, which described a new species of *Zeuxo* from the French Atlantic Coast, was followed by an astonishing series of publications. In all, Roger described two families, three subfamilies, 42 genera, one subgenus and 229 tanaidacean species. Roger's eclecticism was also extraordinary; he authored or co-authored papers on seven isopod species, two amphipod species, one leptostracan, six mysids, one bochusacean, two copepod taxa (including a new genus) and three polychaete taxa (including a new genus). Roger described species from shallow and intertidal waters to the deep sea, and he established 346 taxa.

Roger was also an inspiring teacher; from 1990 to 2004 he was a visiting lecturer at Dove Marine Laboratory, University of Newcastle-upon-Tyne, and he supervised many doctoral students. Working tirelessly on various editorial boards (see below), Roger willingly gave guidance and advice to novice taxonomists. He was a celebrated pedant, always ready to correct a grammatical injustice and known to carry a red pen in his top pocket for such occasions as might arise. Roger also provided valuable input to the World Register of Deep-Sea Species (WoRDSS) and was an integral member of the Porcupine Marine Natural History Society, working as the Hon. Editor of the *Porcupine Newsletter*. Roger is reputed to have attended every meeting of the Porcupine Marine Natural History Society since its inception in 1976.

Roger's passion was the natural history of marine organisms and morphological taxonomy, and this was joyfully expressed in the many unusual and often amusing names that he gave to new taxa. He was particularly proud of *Tamystylum sinoabductus* Bamber, 1992, a species of pycnogonid from the South China Sea - and thus a 'Chinese takeaway' - although the etymology in this case modestly reads: "The name for this species, unique in being the first to be described from Hong Kong, is from the Latin, meaning that which is taken from China". In 2005, Roger published a collection of descriptions of tanaidaceans from Western Australia, and he named them after characters in one of Terry Pratchett's 'Discworld' novels, '*The Last Continent*', a place which "just happens to be a bit ... Australian".

Roger was always great company; he was interesting, engaging, controversial, and a wonderful raconteur. He combined a first class intellect and rigorous approach to science, with an infectious and irrepressible amiability. Somehow, he also found time away from scientific work to play contract bridge and follow the Hampshire and England cricket teams. A true bon-viveur, he was always happy to crack open the beer, have a smoke, and savour good food.

Roger was an original, a true inspiration, and a superb scientist. He will continue to influence, not only because of his impressive publications, but because of the inimitable way he inspired countless acquaintances, friends, and colleagues.

Editorial roles

Journal of Natural History: guest editor.

Polish Polar Research.

Porcupine Marine Natural History Society.

World Register of Marine Species (WoRMS): PycnoBase, Tanaidacea.

Zookeys: editor of Pycnogonida.

Zootaxa: editor for Pycnogonida, Tanaidacea, and Cumacea.

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