

Annals of Bryozoology 2

**Annals of Bryozoology 2:
aspects of the history of research on
bryozoans**

Edited by
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&
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International Bryozoology Association
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This volume is dedicated to the memory of Iraida Pavlovna Morozova (1919–2007).

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Cover illustrations

Front: “*Flustra hispida*” [now *Flustrellidra hispida*] from Sir John Graham Dalyell (1848) *Remarkable Animals of Scotland*. Volume 2, London: John Van Voorst, 322 pp.

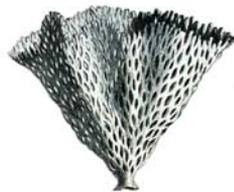
Back: Portion of a plate from Alicide d’Orbigny’s *Paléontologie française* (1850–1852) showing the Cretaceous bryozoan *Retepora royana*.

Background: Structure of *Flustra* from Robert Hooke’s *Micrographia* (1665).

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PREFACE

Bryozoans are complex colonial invertebrates, that have a long geological range of nearly 500 million years, and which are today still found in most marine and freshwater ecosystems.

This volume contains a collection of nineteen papers that reflect the diversity of topics in the study of fossil and living Bryozoa. It is the second in a series that began with the publication of the first volume by the International Bryozoology Association in 2002.

A number of papers were presented at the conferences of the International Bryozoology Association held in Chile in 2004 and Boone, North Carolina 2007. The editors are grateful for the support of the convenors of those meetings: Hugo Moyand and Juan Cancino, and Steve Hageman respectively. We are also particularly grateful to all the contributors who have patiently awaited the production of this volume; in some cases a number of years has elapsed since submission. We are sure that both they and the readers will find this collections to be illuminating as well as fascinating.

The volume begins and ends with two papers on thin-sections. Richard Boardman, the foremost authority on the complexities of trepostome bryozoan taxonomy, discusses the history of thin-section manufacture in the USA while Patrick Wyse Jackson concludes the volume with an account of the earliest known thin-section of a bryozoan which was produced in the 1840s.

The work of women bryozoologists is highlighted in several papers. Abigail Smith recalls the role of women in the IBA from its foundation up until 2001; Mary Sears and Robert Woollacott provide a scholarly account of the labours and life of Alice Robertson who was one of the earliest researchers of modern Pacific bryozoan faunas. Susan Turner provides insights into the career of the Australian Joan Crockford who published a large volume of work on Carboniferous and Permian bryozoans mainly in the 1940s.

The antipodean theme is carried on by June and Charles Ross who have compiled a comprehensive listing of papers on Australian bryozoan studies and discussed the significance of the major players. Elizabeth Campbell and Yvonne Bone describe a number of the early oceanographic voyages made to Antarctica by Douglas Mawson amongst others. The material collected in the early decades of the 1900s remains a valuable research resource. From the opposite pole Hans Arne Nakrem tells the story of some early explorers to Svalbard, in whose footsteps he has followed to collect and study Carboniferous and Permian faunas. Nina Denisenko and Piotr Kiklinski continue the high latitude theme in outlining some studies of research into Recent bryozoans in the Chukchi Sea and they go on to document our present knowledge of the diversity of taxa found there.

Andrew Ostrovsky was contributed three papers: on fertilization in Bryozoa, on sexual reproduction in gymnolaemates (co-authored with Norbert Vávra and Joanne Porter) and on parental care in cheilostomes. These comprehensive papers should remain essential

reviews for students of bryozoology for many years to come.

In Russia bryozoans have been studied since the early 1800s but major advances were made with the establishment of research centres in St Petersburg and in Moscow. These are the subject of the contribution by Ernest Gilmour, Ariunchimeg Yarinpil and Patrick Wyse Jackson. Valuable contributions to our understanding of fenestrate taxa were made by V.P. Nekhoroshev and by his wife A.I. Nikiforova who died tragically young. Their daughter Lyudmila Nekhorosheva, herself a respected bryozoologist, has written a personal account of her parents' lives and work.

Taxonomic studies are not absent from this volume: Abigail Smith, Paul Taylor and Hamish Spencer have tabulated all that is known of the status of species within the Horneridae. The difficulties surrounding the taxonomic status of an *Alcyonidium* species are unpicked and clarified by Joanne Porter, John Ryland and Mary Spencer Jones. The author of the genus *Alcyonidium* was Jean-Vincent-Félix Lamouroux who is just one of many naturalists whose collections in the French National Collections are described by Jean-Loup d'Hondt.

Finally two papers describe examples of trans-Atlantic exchange of material. In the first paper Mary Spencer Jones, JoAnn Sanner and Carmen Thomas highlight the friendship of Ray Smith Bassler of the United States National Museum in Washington, DC and Anna Hastings of the British Museum (Natural History) in London. Over a period of many years the two corresponded and exchanged specimens. Patrick Wyse Jackson recently discovered a book in an academic library in Pennsylvania which he has shown once belonged to John Ellis the noted naturalist.

We dedicate this volume to Iraida Morozova who died in 2007, and we also fondly remember Liz Campbell who died in April 2008. They will both be missed by their friends and colleagues in the International Bryozoological Association.

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& Mary Spencer Jones (Natural History Museum, London)

14th May 2008