





# OPISTHBRANCH NEWSLETTER

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Illustration above: *Neumea gloriosa* (Bergh, 1875; *Chromodoris*) = *Neumea purpurea* Baba, 1949.

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Volume nine (1977) of the OPISTHBRANCH NEWSLETTER starts with a modified operating philosophy. Since the first issue of the O.N., I have attempted to put out issues monthly whether information was available or not. I have also strayed away from articles in general and scientific papers in particular primarily because so many other sources for publication were available with better resources. The situation has changed and several major publications have ceased to exist or will discontinue publication within the next few months.

With the advent of volume nine I am going to a more flexible publication schedule, issue size, and issue content. A minimum of four issues will be published each year with additional numbers being dependent on information and articles sent to me. I expect that about eight issues will actually be published each year. Issue sizes will range from two pages to a maximum of about 30 pages. Content will include everything now printed in the O.N. plus range extensions, checklists, technique papers, abstracts, book reviews, and anything else pertinent to opisthobranch studies with the exception of new species descriptions which I feel belong in a larger journal. As in the past, only line drawings may be included due to printing restrictions.

I hope that every opisthobranch paper published will be cited in the O.N. and that authors will take the time to provide short abstracts for their papers to be printed in the ON. The only purpose of the newsletter is to serve opisthobranch workers around the world and this is best achieved with complete reader participation. Even workers who do not subscribe directly to the O.N. should participate. Notes on current researches and interests are always welcome and usually provide the requestor with a small deluge of information and offers of assistance. Citations, abstracts, and reprints of each paper published should be sent to me as soon as possible after publication so that the information may be included in the next issue of the O.N. If desired, reprints sufficient to be sent to each O.N. subscriber may be sent to the editor for inclusion in the next mailing.

My resources are very small and my available time is minimal but I will continue to publish the OPISTHBRANCH NEWSLETTER as long as people

are interested and participate. The O.N. is only as good as the subscribers make it. Things which are unimportant or "common knowledge" in one part of the world are often totally unknown in other parts and many researchers are not fortunate enough to have large libraries and research facilities at their disposal. Your help is most necessary and important.

Mr. Ruggero Guidastrì, San Marco 4873, 30124 VENEZIA (Italy) is interested in opisthobranchs.

Thanks to Lance, Carlson, Carlton, Marcus, Burn, Ros, and Baba, for reprints and other newsletter information.

From the Fall, 1976, AMU Newsletter: Nicole Chacuhe is studying development and behavior of veligers of *Hemissenda crassicornis* at the University of Nebraska, Lincoln. Also at the University of Nebraska, Wes Shoop is studying the histology and histochemistry of the purple gland of *Aplysia californica*. At the Academy of Natural Sciences of Philadelphia, Dr. Robert Robertson is working on a National Science Foundation grant for studies of North American odostomioid pyramidellids.

The 43rd Annual Meeting of the American Malacological Union will be held 10-16 July, 1977, at the Beach Club Hotel, Naples, Florida. Jerome Bijur, 137 - 7th Avenue North, Naples, Florida 33940, is the chairman of the organizing committee.

The Tenth Annual Meeting of the Western Society of Malacologists will be held 15-18 June, 1977, at the Kellogg West Conference Center, California State Polytechnic University, Pomona, California. Registration information is available from Jo-Carol Ramsaran, 807 North Road, San Bernardino, California 92404.

The call for papers for both meetings has already been mailed and the closing deadlines passed and I am not aware of papers planned for presentation concerning opisthobranchs.

From Robert Burn: "On the last weekend in February, a live-in symposium was held at Shoreham, on Westernport, near Melbourne, Victoria. This was the bi-annual Australian Malacological Symposium. Curators and staff from most Australian museums attended, together with university and college people and others interested in malacology. It was good to get together with Fred Wells and Ian Loch and look at a few slides of opisthobranchs lately discovered around the coasts of this vast continent. These included *Aglaja orientalis* Baba, 1949 and *Limaia ornatus* (Baba, 1935)."

From Clay Carlson: "We've done very little in the water the past few months but did find a small cephalaspid form with a head like a *Gastropteron*, complete mostly exposed shell and

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tail like a *Chelidonura* -- Mother Nature's form of a cephalaspid joke."

Chris Kitting was in Lompoc on 31 May finding his way back to Hopkins Marine Station after the holiday. Chris is primarily working with limpets now under Dr. Donald Abbott. I have been told that Stuart Thompson is at Hopkins working with the neurophysiology of *Melibe*'s swimming behavior. I hope to hear more about his research.

A few years back we went through a discussion of standard color name systems. Here is what may become the definitive work on the subject: a National Bureau of Standards publication entitled "Color: Universal Language and Dictionary of Names," puts together well known color-order systems and methods of designating color. The Color Names Dictionary details the Inter-Society Color Council-NBS system of color designations, which are described as "fast becoming the common denominator for color terminology used in science, art and industry." Copies of this NBS Special Publication 440 are priced at \$3.35 (U.S.) each, and may be ordered from the Superintendent of Documents, Government Printing Office (Washington, D.C. 20402). Refer to Stock No. 003-003-01705-1.

From Eveline Marcus: "You always want news for the Newsletter: The street where I live has changed its name: It will be, when (?) the sign is changed, Rua Prof. Ernest Marcus, 01246 São Paulo, S.P. Brazil. My number is 47, but it seems they intend to change the numbers too, quite unnecessarily. This is only a theoretical announcement, as I continue to receive my mail in the P.O. Box 6994, 01000 S.P., but opisthobranchiologists will appreciate it.

Furthermore, I intend to go abroad again this summer. I begin in Grahamstown, South Africa [Ed. Note: I had a postcard from there in early May] with Margaret Smith of the Ichthyological Institute. I do not expect to meet Rudman though I would really like to, and I have written to him, whether he can make it. Then I will be at the Malacological Society Meeting in May, later in Germany, Canada, East Coast of the U.S. Perhaps I can fit in the meeting of the AMU, 11-15 July, in Florida, but I can't count so far. In any case I will be in Florida, (Miami) some time, and hope to see friends and correspondents.

I found Kerry Clark's discovery exciting; the same thing had happened to Hecht in 1895, Mem. Soc. Zool. France, but he did not try to explain it."

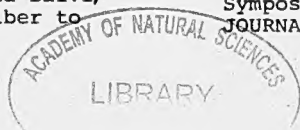
In November, Hans Bertsch returned to U.C. Berkeley to file his Ph.D. dissertation and present the departmental seminar. His thesis topic: "The Chromodoridinae Nudibranchs from the Pacific Coast of North America." Hans now has his doctorate, has married Carla, and returned with her to Chaminade College. Best of luck to both of them!

From Dr. Ros: "Dr. J.A. Ortea (page 38 of O.N. 1976) has written a very interesting thesis about molluscs (specially opisthobranchs) of his country, Asturias, and has described two new genera and species, *Risselleolis anadoni* and *Astureodoris rosi*. I think he intends the partial publication of his material."

Dr. Riccardo Cattaneo, Istituto di Anatomia Comparata, Dell'Universita di Genova, Via Balvi, 5, 16126 Genova, Italy, is a new Subscriber to the OPISTHOBANCH NEWSLETTER.

## CURRENT CITATIONS:

- 9718 BABA, KIKUTARÔ, 1 January 1977. Notes on *Roboastra gracilis* (Bergh, 1877) (Nudibranchia: Doridoidea: Polyceridae) Obtained from Seto, Kii, Middle Japan. THE VELIGER, 19(3):290-292, figs. 1-5.
- 9719 BROWN, G.H., December 1976. Sublittoral Distribution of the Opisthobranch Fauna of Lundy Island. The Malacological Society of London & The Underwater Association of Research Scientists Symposium. THE JOURNAL OF MOLLUSCAN STUDIES, 42(3):455.
- 9720 BRUNELLI, M., V. CASTELLUCCI & E.R. KANDEL, 10 December 1976. Synaptic Facilitation and Behavioral Sensitization in *Aplysia*: Possible Role of Serotonin and Cyclic AMP. SCIENCE, 194(4270):1178-1181, 3 text figs.
- 9721 BURN, ROBERT & K.N. BELL, 8 December 1976. Cryptic Molluscs Inhabiting *Galeolaria* in Victoria. VICTORIAN NATURALIST, 93(6):232-236, 1 map, figs. 1-2, tpls. 1-2.
- 9722 CARLSON, C. & P.J. HOFF, 1977. Opisthobranchs. IN: Marine Survey of Agat Bay. Edited by L.G. Eldredge, R. Dickinson & S. Moras. UNIVERSITY OF GUAM MARINE LABORATORY, TECHNICAL REPORT NO. 31, pp. 104-114. [Listing of opisthobranchs spotted in the Agat area in 13 trips over a period of a year. 52 spp.]
- 9723 CASTELLUCCI, V. & E.R. KANDEL, 10 December 1976. Presynaptic Facilitation as a Mechanism for Behavioral Sensitization in *Aplysia*. SCIENCE, 194(4270):1176-1178, 3 text figs.
- 9724 CHALMER, P.N., E.P. HODGKIN & G.W. KENDRICK, 31 December 1976. Benthic Faunal Changes in a Seasonal Estuary of South-Western Australia. RECORDS OF THE WESTERN AUSTRALIAN MUSEUM, 4(4):383-410, figs. 1-2, tpls. 1-2. [Lists 3 pyramidellids and 12 opisthobranchs among benthic fauna]
- 9725 CONNELL, JOSEPH H., 1970. A Predator-Prey System in the Marine Intertidal Region. I. *Balanus glandula* and Several Predatory Species of *Thais*. [Pagination and publication unavailable but at least pages 50-62; *Onchidoris bilamellata* has planktonic larvae, feeds intertidally in autumn, and found in barnacle cages only between September and December over 3 years of monthly observations]
- 9726 DAYTON, PAUL K., Fall 1971. Competition, Disturbance, and Community Organization: The Provision and Subsequent Utilization of Space in the Rocky Intertidal Community. ECOLOGICAL MONOGRAPHS, 41:351-389. [page 383-predation on barnacles by *Onchidoris bilamellata* from October thru March]
- 9727 EDMUNDS, M., G.W. POTTS, R.C. SWINFEN & V.L. WATERS, 1976. Defensive Behaviour of Sea Anemones in Response to Predation by the Opisthobranch Mollusc *Aeolidia papillosa* (L.) JOURNAL OF THE MARINE BIOLOGICAL ASSOCIATION OF THE UNITED KINGDOM, 56:65-83, figs. 1-3, tpls. 1-2.
- 9728 FERREIRA, ANTONIO J., 1 April 1977. A Review of the Genus *Triopha* (Mollusca: Nudibranchia). THE VELIGER, 19(4):387-402, figs. 1-18. [*T. catalinae* & *T. maculata* - all other North Pacific Coast names synonymized under these names]
- 9729 FIELD, JOHN G., 1971. A Numerical Analysis of Changes in the Soft-Bottom Fauna Along a Transect Across False Bay, South Africa. JOURNAL OF EXPERIMENTAL BIOLOGY AND ECOLOGY, 7:215-253. [*Philine aperta* - p. 231.]
- 9730 FRANZ, DAVID R., August 1976. Ecological Determinants of Opisthobranch Distribution Patterns in the Temperate Northwest Atlantic. Symposium. Sea-Slugs and Land-Slugs. THE JOURNAL OF MOLLUSCAN STUDIES, 42(2):300-301.





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