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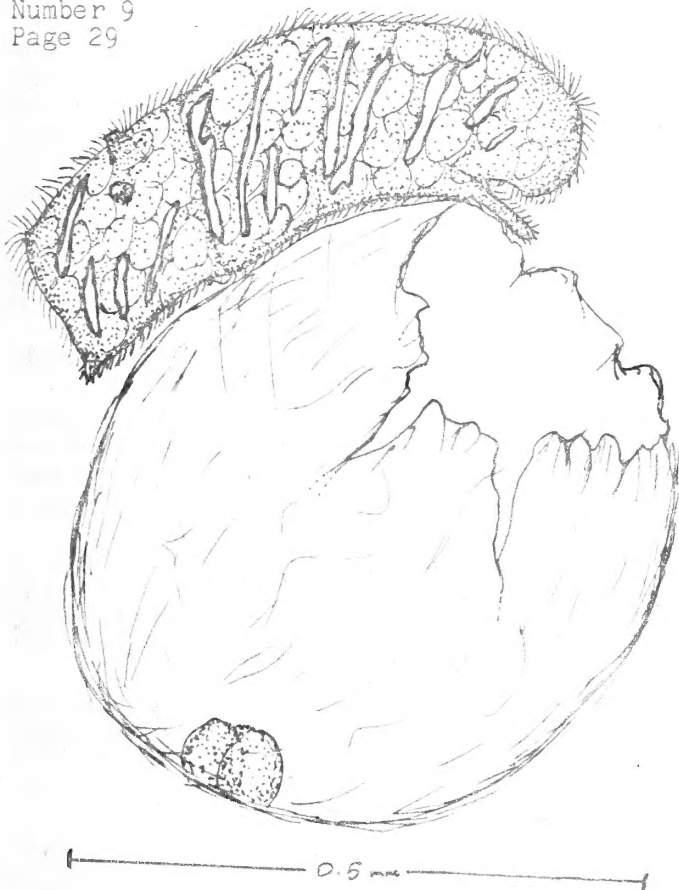
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Dendrodoris nigromaculata (Cockerell in Cockerell & Eliot, 1905)
Drawn from a video tape sequence by James Lance (July 12, 1982)

* * * * *

The **Opisthobranch Newsletter** is published by Steven J. Long, 359 Roycroft Ave, Long Beach, California 90814, USA. Telephone 213-433-7140 (message recorder) or 439-2028. Subscription rates are \$15.00 per calendar year for individuals and \$17.50 per calendar year for institutions. The **Opisthobranch Newsletter** is issued in parts at irregular intervals. Subscription rates for volume 15 of the ON will remain the same. Please send subscriptions as soon as convenient.

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EDITOR'S NOTES

I am working on the new computer system now and should have things going very well within the next few days. Right now, I am up on CP/M software and using my standard word processor. It has taken until October 9th to get the software set up properly to do proportional spacing. Many thanks to Pat LaFollette and the others who helped. Jim has finally came up with the answer to make things work.

In the next few days, I hope to have a modem interface on my 433-7140 telephone so that anyone using a CP/M system or Alpha Micro system will be able to dial into my computer and transfer data. At the minimum, I will be able to transfer data between Pat LaFollette, Howard Katzman, Dr. Jim McLean, and myself.

Thanks to Dave Ehrens, Jim Lance, Don Cadieu, Terry Gosliner, Melissa Barbour, Wes Farmer, H.E. Coomans, Eveline Marcus, Ian Loch, I.S. Roginskaya, J.A. Ortea, and others who have provided information for this newsletter.

I have heard that *Olea hansineensis*' range has been extended but no one has yet published the extension. If no one is going to put it in a journal, please send the information to the ON.

* * * * *

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READER FORUM

From Eveline Marcus: "That your list of the names in The Veliger is alphabetic, is right. It is not right, in papers, to put the animals in alphabetic sequence instead of systematic relations. And then one changes its name as in the Chromodorididae frequently, and appears in quite another place in the next paper. I am sorry that The Veliger allows that, but they have done that for a long time."

From Susan M. Wells, Co-compiler, Invertebrate Red Data Book, International Union for Conservation of Nature and Natural Resources, Species Conservation Monitoring Unit, 219(c) Huntingdon Road, Cambridge, CB3 0DL, U.K.: "I obtained your name and address from the Opisthobranch Newsletter and am writing to enquire whether you or any of your contacts could help us. I am currently working on the compilation of the first volume of the IUCN Red Data Book for invertebrates with special responsibility for non-insect groups. Following its publication I hope to be working on a more specialised volume for molluscs.

Initially I had not expected to find any information on threatened opisthobranchs. However, a contact in the Netherlands provided information on an endangered nudibranch and I enclose a copy of the data sheet. I would be interested to know if you or any of your colleagues have information on species in similar situations, and whether your newsletter could be used for advertising our need for

information on this subject."

[Editor's Note: Susan sent along the information sheet which I have duplicated here. Please send any information directly to Susan]

ZUIDERZEE NUDIBRANCH ENDANGERED

Corambe batava Karber, 1938

Phylum MOLLUSCA Order
 NUDIBRANCHIA

Class GASTROPODA Family
 CORAMBIDAE

SUMMARY This small brackish water sea slug is endemic to an area centred on the former Zuiderzee in the Netherlands. The closure of the Zuiderzee caused its disappearance from most known localities, including its type locality, and it may now be extinct.

DESCRIPTION The shape of the mantle which is complete at the posterior end of the animal separates this species from its nearest relative, *C. sargassicola* from the Sargasso Sea (1). A small sea slug reaching only about 5mm in length, *C. batava* is variable in colour, ranging from yellow with black patches to dark brown or black all over. It has a circular disc-shaped mantle and a flat, almost circular foot (4).

DISTRIBUTION Endemic to Holland. The type locality is at Durgerdam near Amsterdam beyond the River IJ. It has been recorded from the coasts of the former Zuiderzee from Amsterdam to Den Helder in many localities (1), including Wieringen on the Vangdam and near Oudeschild in Texel (3,4).

POPULATION Unknown.

HABITAT AND ECOLOGY Found in brackish water generally in salinities from 7-25‰, but it can probably withstand salinities up to 30‰ since large numbers have been found in Den Helder harbour. The lowest salinity in which it has been found is 6.7‰. It is restricted to shallow water on or near *Cordylophora caspia* on which it may feed; it has also been found on *Membranipora* (1,2).

SCIENTIFIC INTEREST AND POTENTIAL VALUE

THREATS TO SURVIVAL The closing of the Zuiderzee resulted in the disappearance of all the brackish water fauna in the area, and *C. batava* is almost certainly now extinct and definitely extinct in its type locality (1). The Zuiderzee was closed in May 1932, following which this species continued to be found in the northern part of the enclosed area until July of that year since when it has not been found there. In 1947 it was recorded at Texel (2).

CONSERVATION MEASURES TAKEN None.

CONSERVATION MEASURES PROPOSED It could possibly still survive in the harbour at Den Helder or in brackish water on some of the Wadden Sea Islands, such as Texel. However both these areas are severely polluted. It is also conceivable that the species may be found in France or England (5). Surveys should be carried out in the Wadden Sea and Den Helder harbour to ascertain if this species is still extant. If it is found, steps should be taken to ensure that it is protected in a suitable unpolluted area of brackish water.

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We are very grateful to Dr. L.J.M. Butot for providing information for this data sheet.

Please write to Susan for more information on this project.

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PERSONAL NOTES

From Eveline Marcus: "Back from my 'Winter' trip. My trip was nice as always, beginning with Terrence Gosliner in Cape Town, where we had long conversations about Pleurobranchaeidae, and finished a review of the family. Then I was with Claude Poizat, later I met Luise Schmekel, in between, family and friends, and stayed in Washington and with Dr. Rosalie Vogel, married Cumbee. Now I will begin a revision of the Pleurobranchidae, but it will take some time; I am getting old and work does not go as fast as when I was younger."

From James Lance: "During Spring/Summer, 1982, we organized a number of overland and air expeditions to Bahia de los Angeles, Sea of Cortez, Mexico, for the purpose of making a comprehensive survey of inter- and subtidal opisthobranch fauna during a given season. I hoped that these data, when combined with

previous information gathered over the past 25 years, would provide a general picture of the opisthobranch populations from this area.

Our overall task force of active collectors/observers was not small (26 people participated). But it must be admitted that only 7 of these could be described as experienced branch collectors. Still, over 500 SCUBA and 200 intertidal man hours (padding me, person hours) were logged during this operation. The area collected was simply the greater Bahia de los Angeles - its myriad rocky island shores and the channels between. For the most part, weather was perfect with glassy seas and clear visibility.

Our entire operation came up with a rather disappointing 46 species - 40 of which we collected during 6 days in May during extreme low, dawn tides in the intertidal; especially around the rocky islands.

Some findings, however, should be enough to intrigue the biologically oriented opisthobranchologist:

1. For the first time in the eastern Pacific we have found a cryptobranch dorid parasitized by an internal copepod quite different from literature reports.
2. California's *Flabellinopsis iodinea* is our most colorful aeolid. This survey provided a startling look-alike not even in the same family.
3. A new aeolid that appears to feed exclusively on a symbiotic hydroid growing on the back (dorsum) of a small, under-rock inhabiting prosobranch was found. A similar case has been reported from the northwestern Atlantic.
4. *Tambja adere* vs. *Tambja fusca*: separate or the same species? Ever since Farmer (1970) described this (these) animals from the northern Panama the validity of two species has been questioned. On these trips we were able to obtain more than a hundred specimens and study them in life. I would expect the results of this inquiry to satisfy most taxonomists.

None of this work could have been carried out without the help of especially dedicated persons. In particular I thank Connie Boone, Brad Carté and John O'Sullivan for their contributions. -- Jim Lance.

Dave Behrens is working on two new *Coryphella* spp.

From Terry Gosliner: "First of all, I wanted to tell you that I will be in your area on a permanent basis. I just returned from a quick trip to San Francisco and will begin work at the Cal Academy on Dec. 1 as the new curator of mollusks. Needless to say I am very pleased. In March I will be at the Smithsonian for a year and then return to San Francisco permanently.

The book will be about 121-125 pages, I suspect and will contain about 200 color plates of all the species discussed. Almost two-thirds of the species have not previously been recorded from southern Africa previously so it

represents a significant increase in the knowledge of the fauna. Also included is a foreward by T.E. Thompson, an introduction discussing the evolutionary history, defense mechanisms, feeding, reproduction and larval biology of opisthobranchs. This is followed by sections on the systematics and collection of opisthobranchs and their biogeography in southern Africa. There is also a chapter on how to classify opisthobranchs designed for the layman but describes why internal morphology is essential. This section includes a glossary illustrated with numerous pen and ink drawings and a key to the identification of living specimens of all the species discussed. I think the price is fair. The format and size will be the same as the brochure I sent. It will be printed on high gloss paper, like the brochure, which pushes the cost up, but also the quality. It will only be printed in hard back, as well, at this time."

Nudibranchs of Southern Africa by Terrence Gosliner will be available from the **Opisthobranch Newsletter** for \$30.00 U.S. plus postage and applicable taxes.

Jim McLean spent a week back in Cape Cod, Massachusetts this summer.

From Dr. I.S. Roginskaya: "I am sending you an article of Soviet malacologist Dr. K.N. Nesis, concerning the interrelations of **Aeolidia papillosa** and sea-anemone **Anthopleura elegantissima**, published in our popular magazine **Science and Life**. **Aeolidia papillosa** was photographed by me at the White Sea Biological Station.

Wes Farmer, 410 So. 1st St. Sp.182, El Cajon, CA 92021 (714)500-8133, is still making Opisthobranch models. If you are interested in one of his beautiful models, please contact him.

Dave Behrens has recently taken some time off from branching to publish a short paper on the mating behavior of the Gray Whale, **Eschrichtius robustus**. His paper just appeared in **California Fish and Game**, 68(1):50-53 + photos.

In late June, Steve Long, Roberta Reinhard, Dave Mulliner, Peg Mulliner, and Joan Steinberg all spent the afternoon at Jim Lance's. It was good to meet Dr. Steinberg after all these years.

On October 15, 1982, Pete Oringer, Howie Katzman, Steve Long, and Roberta got together for dinner in Long Beach. Pete is down from Eureka, California on business.

From Melissa Barbour: "Just about the time your notice came we were in the throes of big changes. Jim started to work for the State Water Resources Control Board in Sacramento. He has been commuting 2X/week since then. I returned to work after a 3 mos. maternity leave. We had a little girl, Nora, in January. Now we

will be moving to Sacramento in the next month.

I finished going through the MacFarland slides, etc. just before Nora was born -- they have been collated into the collection at California Academy of Sciences -- some into the type collection and some into the regular collection. They are now at least findable. That will probably be my last Cpisthobranch work for a while. Nora takes a lot of time & energy at this time." -- Melissa A. Barbour

From Ian Loch: "In Maron, Eill Rudman, Geoff Avern, Judith Hunter, Helen Woodward and myself spent four days collecting around Yamba in northern N.S.W. Strong winds and a big swell reduced Geoff and I to 'diving' in tide pools, but the overall collections were quite good, about 60 species. Diving in tide pools does concentrate the effort. Some of the beasts found were, **Favorinus japonicus** in a variety of colour forms, **Spurilla alba**, **S. australis**, **Phidiana bouraili**, a new **Phidiana** with bright blue bands on its cerata, **Favorinus tsurugensis**, a **Limenandra**, **Aeolidiella takanosimensis**, a tritoniid on **Telesto**, a tiny **Okadaia**, **Aegires citrina**, **Goniodoridella savignyi**; **Plocamoperus ceylanicus**, **Okenia pellucida** and another **Okenia** on **Zoobotryon**, **Miamira flavicostata**, **Ctenodoris pecten**; **Dendrodoris gemmacea**, **D. guttata** and others indeterminate as usual, a range of **Pleurobranchus** and various flat dorids including a common **Discodoris** which we found can 'control' its colour from light to dark."

Patrick LaFollette was been working at the AAAS in Washington, D.C., during August, and is now (October) on vacation in Canada. He stopped to see Sandra Millen in Vancouver on the way up. Pat is now a part time employee of the Los Angeles County Museum of Natural History.

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CURRENT EVENTS

Notice from **The Veliger**, Volume 25, Number 2, October 1, 1982: "At a Special Meeting of the Executive Board of the C. M. S., Inc. a new Editor has been appointed, effective with the close of the tenure of the present Editor at the close of volume 25. Since there are enough manuscripts, reviewed and accepted, on hand to fill the remaining two issues of the current volume, all manuscripts submitted for possible publication in the **Veliger** should be sent henceforth to Dr. David W. Phillips, 2410 Oakenshield Road, Davis, California 95616."

Malacological Review subscription orders and payments should be sent to: Malacological Review, P.O. Box 637, Niwot, Colorado 80544. Manuscripts should be sent to Dr. Sui-Kuei Wu, University of Colorado Museum, Campus Box 210, Boulder, Colorado 80309.

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Trapania dalva Marcus, 1972
Drawing by Eveline Marcus

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