

The actual stability of the diet species is unknown, therefore making it difficult to test Miller's food dependency relationship.
 LITERATURE CITED: Ajeska & Nybakken (1976) ON9692; Behrentz (1931) ON207; Garstang (1890) ON893; Miller (1962) ON1502; Nybakken (1974) ON6550; Nybakken (1978) ON2506; Renouf (1915) ON1887; Thompson (1957) ON2167; Thompson (1958) ON2169; Thompson (1961a) ON2175; Thompson (1961b) ON2176; Thompson (1964) ON2178

EDITOR'S NOTE

The OPISTHOBRANCH NEWSLETTER has established an editorial board. All papers submitted for publication are subject to review. Citations for all "papers" published in the OPISTHOBRANCH NEWSLETTER to date are included in this issue. If readers feel additional material should be "cited" please let me know.

The drawings in ON 12(12):38 were all photo reductions of drawings by Dr. Kikutaro Baba.

I intend to mail issues of the OPISTHOBRANCH NEWSLETTER with a cover wrap similar to that used on the last issue. If anyone is experiencing damage from postal handling please let me know. I will try to find something better. Addressing and licking envelopes is a real pain.

The March issue of volume thirteen was mislabeled as issue 2. I apologize for the error. The page numbers are correct. One of the beauties of a computer is that it allows you to make mistakes much more efficiently.

I have been keeping most of my opisthobranch papers and microfiche in storage for the past five years. This makes it very difficult to find some papers when copies are requested. I hope to have my office set up within the next two months or so. Please bear with me. If I cannot find a requested paper I will try to list it in the ON so that someone else can help the requestor.

FOR SALE

Airmail postage and handling for Dave Behrens opisthobranch book is \$6.00. Surface mail postage is \$2.00. Copies are still available from the ON at \$14.95 each plus postage.

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- 2499 CRANE, SANDRA, September 1973. Vital Stains: A Marking Technique for Nudibranchs. OPISTHOBRANCH NEWSLETTER, 5(9):56.
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May 1981

Zool. Dept.
MOLLUSCA



Illustration at right
Trapania dalva Marcus, 1972
Drawing by Eveline Marcus

INTRODUCTION TO THE "OPISTHOBRANCH NEWSLETTER"

The **Opisthobranch Newsletter** is published by Steven J. Long, 359 Roycroft Ave, Long Beach, California 90814, USA. Telephone 213-439-2028. Subscription rates are \$15.00 per year for individuals and \$17.50 per year for institutions. Back volumes are available at \$10.00 per volume. Microfiche (24X reduction) of back volumes are \$5.00 per volume. My records show that your subscription is paid for the following years: x1976, x1977, x1978, x1979, x1980, x1981 1982. Please contact me immediately if you feel this is incorrect.

PURPOSE OF THE OPISTHOBRANCH NEWSLETTER

The primary purpose of the **Opisthobranch Newsletter** is to assist people working with opisthobranch mollusks. The newsletter has been published since 1969 and was initiated to facilitate research and information exchange by researchers and interested amateurs in all parts of the world. Personal notes on researches, trips, etc.; notices of meetings; recent publications concerning opisthobranchs; and short articles on opisthobranchs are included in issues. In addition, I try to include bibliographical citations on every paper noting opisthobranchs.

INSTRUCTIONS TO AUTHORS

I am very dependent on input from subscribers to maintain the information content of the **Opisthobranch Newsletter**. Notes and articles should be addressed to Steven J. Long at the address given above. Please include scientific meeting dates and other information even if they may be of only local interest. If material is specifically not for publication please note that fact.

Articles for publication should be typewritten and laid out exactly as you would like them published including any drawings at the final size and placed where you would like them in the text. It is suggested that you use a "cut and paste" Xerox copy of the materials to lay out your format and include the originals to any drawings and typescript separately.

I currently have very limited resources for photo reduction so the illustrations should be sent to fit on my normal page format. The text will all be put into my computer text editing system manually and then printed out automatically. Publications will be reviewed by one or more of your peers for style and content. If time permits you will receive a galley proof for your review prior to publication. Please refer to the biological style manuals for basic guidance and to the past issues of the **Opisthobranch Newsletter** for examples of acceptable citation and drawing formats. Note that I have decided to use complete bibliographical citations with papers published in the **Opisthobranch Newsletter**.

READER FORUM

From David Behrens (416 Lilac Drive, Los Osos, CA 93402): "Hurst (1967) reports *Catriona aurantia* from Puget Sound. Has *C. aurantia* (now *C. gymnota*) been collected since, or is it possible that Hurst's critter was *Catriona columbiana* (= *C. alpha*)? Miller (1977) reports *Catriona alpha* from New Zealand. Although Williams & Gosliner (1980) refute this species as not being conspecific with *C. alpha* by Baba & Hamatani, 1963, I am curious to know whether there are other possible examples of species occurring circum-Pacificly. To my knowledge *Diaulula sandiegensis* and *Aldisa sanguinea* may have the widest range, of those species recognized, to occur on both shores.

I am unaware, however, of any species occurring in both the north and south Pacific. How about co-occurrences between Hawaii and California? None I hope."

EDITOR'S NOTE

Thanks to all of you who have sent commemorative and other colorful stamps over the years. They are still much appreciated. Thanks to Dr. I.S. Roginskaya, Dr. Eveline Marcus, Annetrudi Kress, N. B. Eales, Jim Lance, Dave Behrens, Kerry B. Clark, Don Cadien, and others who have recently contributed material for the ON. Keep it coming!

I realize that the current citation format is not quite as readable as the older one but my word processing system makes it very useful to indent in the fashion now used. Perhaps I will be able to change later. I will attempt to set up for two column printing soon if I am able to overcome a basic machine problem.

I work hard trying to keep typographical and other errors out of the ON. If you note any please contact me immediately. I would far rather have 25 people remind me than let an error go by indefinitely. I am especially interested in duplicate citation numbers. I will try to include a complete list of deleted citation numbers in a future issue of the ON.

PERSONAL NOTES

Eveline Marcus will be spending September in the USA again this year including visits with Trish Morse, Harald Reader, and Robert Work. If you have the opportunity to be in Washington D.C., Massachusetts, or Florida during that month contact Eveline soon and see if your schedules can coincide.

Eveline writes: "I am fighting with the Pleurobranchaea of the Western Atlantic; the older bibliography, also our own, is often unsatisfactory; and preparation of the absolutely necessary male organ takes time. Already old Vayssi re noted that in his good paper 1901.

From Jeff Hamann: "Had a fantastic trip to Saudi Arabia with my Dad in March. Found 39 species of Opisthobranchs single-handedly in two weeks. Conditions were perfect & I brought home some great pictures.

I went to L.A. Bay [Mexico] with Hans [Bertsch] and Jim [Lance] last weekend & had a treacherous time. We flew in and blew a tire on landing but kept it on the strip somehow. Then the front shock went out later & we bent \$1,800.00 worth of propeller in the dirt. We scrounged up enough tools to repair the tire & bent the prop back with rocks & made it home. We collected one morning and the three of us got 28 species."

William Jaeckel is presently compiling a short note on distribution extensions from Humboldt County, California. If anyone has additional records for inclusion please contact him.

From Ian Loch: "Bill Rudman has been working through a series of papers on aeolids associated with soft corals, the scleractinian *Porites*, the zoanthid *Palythoa* and a few odds and ends. One is an odd little tergipedid with branched cerata which mimic the polyps of a hydroid living on sponge. A few odd aeolid-like arminids got involved on *Porites* and *Heliopora*. The soft coral associates involved work on the utilization of zooxanthellae by the aeolids and adaptations for this. Fortunately, at Sydney University, Ros Hinde has been looking at chloroplast utilization by local sacoglossans, so expertise is on tap. One of her students is finishing a Ph. D. project on some local *Elysia* with some interesting observations on changing food sources. Another has recently commenced a M. Sc. on zooxanthellae utilization by *Pteraeolidia ianthina*.

Bill has gone back to working mainly on chromodorids, as he has a grant for a research assistant for this. Geoff Avern, the research assistant, is also starting a M. Sc. project on life histories of a couple of local chromodorids.

Other local post graduate work has Bob Rose writing up a Ph. D. project on reproductive strategies and developmental types of some local dorids, and another is screening for a suitable beast to do a Ph. D. project on biochemical inducers of larval settlement. Most of these projects unearth nasty taxonomic problems, even the *Pteraeolidia ianthina* comes in an albino form.

Somewhat belated news is that The Australian Museum produced a 1981 calendar featuring opisthobranchs. The 20-25cm photos on black background are *Hydatina physis*, *Stiliger*, *Elysia*, *Berghia*, *Phyllodesmium poindimiei*, *Phyllodesmium*, *Chromodoris*, *Hypselodoris obscura*, *Halgerda aurantiomaculata*, *Notodoris gardineri*, *Phyllidia ocellata* and *Ceratosoma brevicaudatum*. I gather some are still available if anyone is interested. Sherman Bleakney visited for several days, recuperating from an illness and looking at a few local Sacoglossans. Local collecting continues to produce a stream of

interesting (and undescribed) opisthobranchs. Bill seldom has to leave his microscope with the volume of animals the activities of the students, interested amateurs and other museum staff generate. The Malacology Dept. staff did spend several days in October at Port Stephens, about 100 miles north of Sydney, where about 50 species were collected, including a live *Leucotina*."

CURRENT ADDRESS

Mari Lehmer, Bodega Bay Marine Lab, P.O. Box 247, Bodega Bay, CA 94923

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Book Reviews of W.M. Farmer's "Sea-Slug Gastropods" and T. Gascoigne's "Fine Dissection of Ascoglossans" are published in the April, 1981 issue of THE VELIGER.

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June 1981

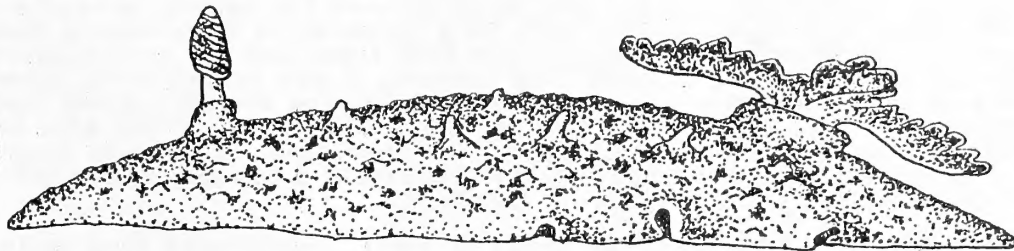


Illustration at right
Taringa aivicia Marcus & Marcus, 1967
Drawing by D.W. Behrens

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PAPER

RANGE EXTENSIONS OF NORTHEASTERN PACIFIC OPISTHBRANCHS. by Jeff Hamann, 211 Southern Rd., El Cajon, CA 92020.

The geographical ranges of fourteen species of Opisthobranch molluscs are extended beyond those reported by Behrens (1980) and McDonald & Nybakken (1981). The author acknowledges the assistance of David W. Behrens in the preparation of this paper.

Order Pleurobranchomorpha

Tylodina fungina Puerto Vallarta, Sonora, Mexico
February 26, 1979 Collected below the thermocline at 30'

Order Nudibranchia

Suborder Doridacea

Archidoris montereyensis Punta Cabras, Mexico
June 30, 1980 Intertidal

Chromodoris macfarlandi Cedros Island, Mexico
August 24, 1980 10-20'

Hallaxa chani La Jolla, California
June, 1980 Intertidal

Suborder Dendronotacea

Dendronotus subramosus Punta Cabras, Mexico
June 30, 1980 Intertidal

Doto amyra Punta Cabras, Mexico
June 30, 1980 Intertidal

Doto kya Punta Cabras, Mexico
August 24, 1980 60'

Suborder Arminacea

Antiopella barbarena Loreto, Baja California, Mexico
April 24, 1979 30'

Suborder Aeolidacea

Facelina stearnsi Isla Cedros, Mexico
August 24, 1980 10'

Flabellinopsis iodinea Bahia de Los Angeles, Baja California, Mexico
Collected at 50', below the thermocline.

Precuthona divae Point Loma, California
July 4, 1980 70'

Phidiana pugnax Punta Cabras, Mexico
June 30, 1980 Intertidal

Spurilla olivae La Jolla, California
Yearly, common

Trinchesia (Cuthona) lagunae Punta Cabras, Mexico
June 30, 1980 Intertidal

PERSONAL NOTES:

From Jim Lance: "Some months ago I had the good fortune to be included in a Scripps Institution of Oceanography expedition to Islas Revillagigedos -- west Mexico's only oceanic island chain. This volcanic group, about 1500 km south of San Diego and 600 km west of mainland Mexico, consists of four principal islands with one, San Benedicto, having blown its

