

1898] Tyrinna Bergh, 1898*
Umbraculacea, 4(2):65
Umbraculum Schumacher, 1817*
Umbrella Lamarck, 1819*
Unela Ernst Marcus, 1953 [type U. remanei n. sp. Utriculastra Thiele, 1925*

Utriculastra Thiele, 1925*
Utriculopsis M. Sars, 1870*
Utriculus Brown, 1844 [not Schumacher, 1817]*
[junior homonym; junior objective synonym of Retusa Brown, 1827; ICZN 568/1959]
Vaginella Daudin, 1800*
Varria Eales, 1960 (subgenus)* 5(4):146, 8(1):16
Vayssièrea Risbec, 1928*
Vayssièrea Risbec, 1928*
Vayssièreidae, 10(2):171
Venilia Alder & Hancock, 1844 (not Stephens, 1835)*
Vercouse Provot-Fol 1931*

Verconia Pruvot-Fol, 1931*

Vercenia Pruvot-Fol, 1931*
Verriliepsyche Cossman, 1910*
Vertumnus Otto, 1823*
Vesica Swainson, 1840*
gouldiana, 2(2):33, 3(1):24-25, 27-28
Villersia Oken, 1842 [error for Villiersia d'Orbigny, 1837*
Villiersia d'Orbigny, 1837*
Vitrella Swainson, 1840* [junior objective synonym of Akera Müller, 1776; ICZN 539/1959]
Vitrella Clessin, 1877* [junior homonym of Vitrella Swainson, 1840; ICZN 539/1959]
Vitrechaminoea Kuroda & Habe, 1952*
Volvaria ? [synonym of Retusa umbilicata per

Volvaria ? [synonym of Retusa umbilicata per ON9766

NAL HIST.

1 0 NOV 1981

PURCHASED &

Volvatella Pease, 1860*
Volvula A. Adams, 1850 [not Gistl, 1848]*
Volvula A. Adams, 1862 [not Gistl, 1848]* [per Abbott, 1974]

Volvulella Newton, 1891# Volvulopsis Schepman, 1913* Weinkauffia A. Adams, 1858* Westernia Blainville, 1827* Woodbridgea Berry, 1953* Xanthonella M.E. Gray, 1850* Zenocratena Odhner, 1940* Xenodoris Odhner*

Tokoyamaia Habe, 1950* Zatteria Eliot, 1902 (type Z. browni n. sp. monotype)

Zeptyrina Quatrefages, 1844* 12(3):279

lease send comments and additions to this . list to the editor. I feel this will develop into a very powerful tool if people will just add to it as they work on various species and papers. I would recommend that everyone write the ON

citation number on papers in their working library to facilitate indexing.

One section of this job which could easily be done would be to compare the species names found in and after ON citations already printed and add them to a copy of the list above.

Anyone willing to add to the index above will receive a free copy of the updated list to work from including updates done by myself and other

people.
The next listing for this index will definitely not come before 1982 and may be in 1983 so the best way to get one is by adding to the list yourself. In addition to the bribe, this will prevent too much duplication of effort.

Please send deletions for any names which are not opisthobranchs as defined in the March, 1981 issue of the Opisthobranch Newsletter on page 11. The same information will be useful for any previously cited papers which do not include opisthobranchs.

If anyone is interested in adding another journal series to the list here, please drop me a note so that we do not have three people indexing the Nautilus, for example.

EDITOR'S NOTE

The next necessary index is a cross reference between ON citation number and the volume and page numbers where the most complete citation appears in the ON.

Examples are given here.

10000 13:25 10001 13:25 10002 13:25-26 10003 13:26

I should be able to print this listing at least 4 columns across the page by 80 lines down. This will yield 320 references per page. Since there are about 6000 citation numbers it will take almost 20 pages to printing them all, but, the list should allow people to find things quickly and easily. Deleted references would simply not appear in the next edition of the index.

I would appreciate reader comments on the need for such an index and I would especially like to have a volunteer to do the job. All you need is a complete set of the **Opisthobranch** Newsletter.

I doubt that many people even notice and most probably do not care but the amount of information in each page of the <code>Opisthobranch</code> Newsletter has more than doubled since the early issues.

FOR SALE:

The following papers and books are for sale at the prices listed. Please send requests to Steven Long. Almost all are single copies of originals (0). Xerox or photocopies are identified by (C). Microfiche copies are normally 24x reduction with either 70 or 98 pages per fiche (M). Postage and insurance is extra on all materials and will be billed at my cost. Photocopies of articles are \$.20 per page unless otherwise noted. I will buy libraries of opisthobranch literature. Please send lists and prices to Steven Long.

09970 BEHRENS, DAVID W., 1980. Pacific Coast Nudibranchs. 112 pp., 177 color photos. 0

\$14.95. paperback.

09986 FARMER, W.M., 1980. Sea-Slug
Gastropods. 177 pp., 157 illus. \$10.00 paperback.

09964 GOTTSHALL, D.W. & L.L. LAURENCE,
1979. Pacific Coast Subtidal Marine
Invertebrates. 112 pp., 160 color photos. 0

\$11.50. paperback GOTTSAHLL, D.W. 1981. Pacific Coast Inshore Fishes. 96 pp., 126 color photos. 0 \$11.50

paperback.

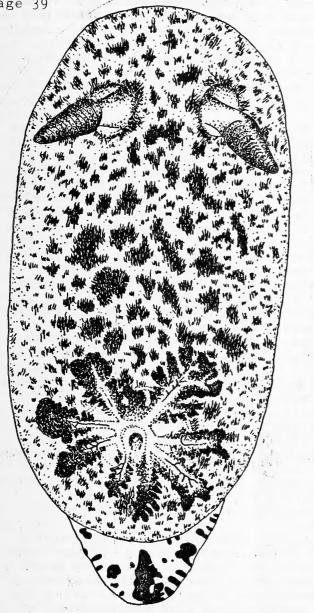
Opisthobranch Newsletter Volumes 1-12 are available at \$10.00/vol. 0, \$5.00/vol. M.

I will start adding the microfiche papers and other materials as time and space permits. It has only been in the past few weeks that I have finally found a place to work and begin to set up my library. It has certainly been a difficult five years for me and I appreciate all of your concern and support. My greatest hope is that it will all have been worth while.

This is the end of this issue. I hope to print at least one more edition of the Opisthobranch Newsletter during 1981 but that depends on you.

Section S2319

OPISTHOBRANCH NEWSLETTER AND HISTORY
December, 1981
Volume 13,
Number 8
Page 39



Jorunna pardus Behrens & Henderson, 1981 Drawing from Dave Behrens

The Opisthobranch Newsletter is published by Steven J. Long, 359 Roycroft Ave, Long Beach, California 90814, USA. Telephone 213-433-7148 (439-2028 will be back in service soon. 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 as material becomes available.

EDITOR'S NOTE

Subscriptions for 1982 are now due.

Please send them before December 31, 1981, so that I can prepare for next year. Note the subscription rates listed above. I will not invoice unless requested and those requesting invoicing will be billed at the institutional rate.

This is my Christmas newsletter. 1981 has been a real growth year for me and, I think, for the ON. Merry Christmas to all of you and thank you for your continued support and friendship. It has kept me going for a lot of years. Anyone travelling through Los Angeles is welcome to call or drop by.

Much of the time there will not be anyone at my house so please do use the answering machine (433-7148). I will definitely get back to you as soon as possible. I work very close to Los Angeles International Airport and would be happy to come over and see any of you even if for a stopover on a longer flight. I sell microfilm equipment and supplies for Datacorp (213/679-0473) and am in the office most of the daytime. Please feel free to call if you can't catch me anywhere else. I may not be able to talk for a long time but I will be pleased to hear from you.

My daughter, Kristin, is now 13 and will be with me for the Christmas holidays. She is doing well in school and growing into a very pretty young lady. My mother, Ruth, has recovered almost completely from her strokes last year and is living in the house at 361 Roycroft.

Thank you all for the Christmas cards and letters. I hope that this Christmas is as nice for you as it is for me.

Thanks to Dr. P.L. Phung for proof reading the Poizat paper below. Thanks to Jim Lance, Don Cadien, Ron Velarde, Dave Behrens, Dr. Baba, Eveline Marcus, and others who have provided material for this issue.

I have a volunteer to cross-index the back volumes of the ON. Are there any volunteers for specific journal runs? I really do not want to print an index before it is reasonably complete so let's get several journals into the next species index. If anyone notices non-opisthobranch names creeping in please notify me at once.

The suggestion has been made to rearrange some of the names by taxonomic placement. I do not want to list names except as actually cited. Any taxonomic placement changes may be noted in brackets after the original name. They will also show up as the new combination in alphabetical order within the list.

PERSONAL NOTES

From Dave Behrens: "I spent a week, October 3-9, 1981 collecting in Bahia de los Angeles, Baja California, Mexico. This is of course the infamous collecting spot of James Lance who on numerous occasions has collected several dozen species on a single trip (see previous ON issues). Jim's collections have always been during spring and summer months, so we were anxious to see what was present during this time of year. The findings are noteworthy. After 5 days of heavy sampling only two opisthobranch species were collected, Berthellinia citrena and Tridachiella diomedea. No nudibranchs were observed. Several additional observations were made which may later assist in explaining this dramatic seasonal shift: 1) surface water temperature was 78°F , below 15 feet - 76°F , and 2) the usual dense benthic algal crop (primarily Ulva & Sargassum) was entirely absent."

From Dr. Kikutaro Baba: "During the last part of this year I had been working on the Dendrodorididae and part of the Dorididae, and obtained a number of subjects not hitherto defined well. In the next year I hope I will be able to prepare MS of some papers for future publication.

Dr. Eveline Marcus, Caixa Postal 6994, Sao Paulo, Brazil, 01000, has sent some additions to the generic name list.

I had an enjoyable evening with Don & Kathy Cadien a week or so ago. They are doing well. I also ran into Ron Miracle at a gathering on the 18th of December. It is good to be living in Southern California again although I miss the great collecting around Pismo Beach, California.

From Dave Behrens: "Platydoris macfarladi Hanna, 1951 lives. Two large specimens recently collected in Southern California. Behrens and Bob Henderson to publish redescription and eco notes, soon."

From Bob Henderson (Pacific Bio-Marine Labs, Inc., P.O. Box 536, Venice, CA 90291) in reference to **Platydoris macfarlandi:** "We got photos of the living animals as well as the actual sponge substrate they were living on. Dave and I are putting the final touches on a redescription complete with photos."

"I'm interested in finding out whether anyone else has run across incidences of color attenuation or loss as a function of increasing depth. I've collected a few specimens of deep water Archidoris which seem to point to this trend but not anywhere near enough to make any claims. I'd be interested in any input on

Archidoris or other dorid species."

Number 7, rage

PAPER

Modifications morphologiques et fonctionnelles d'un mollusque marin Microhedyle milaschewitschii Kow. 1903, au cours d'une contamination in vitro par le mercure.

bу

C. Poizat, M. Henry & G. Cristiani

Nos études écologiques des Gastéropodes mésopsammiques montrent que ces animaux prospèrent dans des biotopes peu ou pas pollués. Il nous est donc apparu utile d'effectuer sur l'une des ces espèces, des expériences de contamination in vitro par le chlorure mercurique. Ce dérivé a e'té choisi, d'une part, parce que la pollution mercurielle de la mer est des plus préoccupantes, d'autre part, parce que les caractéristiques physicochimiques de Hg Cl2 sont bien connues. Nous avons suivi les modifications morphologiques et fonctionnelles des animaux à la suite d'une contamination unique, à des taux de Hg respectifs de 0,00012 (témoin); 0.008; 0.02; 0.08; 0.1 ; 0.5; 1 et 2 mg/l. Pour des valeurs & 0.08 mg/l (doses sublétales), les animaux présentent une série de modifications physiologiques et structurales:

- <u>stade 1</u> : perte d'activité et d'adhérence au support ;

- <u>stade 2</u>: lyse des organes sensoriels et contorsions;

- <u>stade</u> 3 : rupture de la paroi du corps et hernie des viscères. Ce stade irréversible est le critère de létalité retenu.

stade 4 : les animaux ayant survécu (168 heures à des taux) $\leq 0.08 \text{ mg/l sont}$ capables de régénérer totalement leurs organes sensoriels et reprennent un comportement normal. Dans certains cas, les régénérations sont anarchiques, avec formation de tumeurs. a des taux > 0.1 mg/l (dose létale) les stades 1 et 2 sont très fugaces et même inexistants aux plus fortes doses, les spécimens pouvant atteindre directement le stade 3 en une heure. A ce stade, l'étude par microscopie photonique et électronique montre la lyse de l'épithélium tégumentaire de l'animal, dont nous savons qu'il est son organe de respiration cellulaire ou de l'osmorégulation et ce, à des taux relativement faibles (DL 50 = 0.08 mg Hg/l, à 20 h.), ce qui nous conduit à considérer Microhedyle milaschewitschii comme une espèce très sensible à la pollution mercurielle et à l'utiliser comme indicateur biologique.

From Sandra Millen: "I was thrilled with the genera list in the latest O.N. I noticed there were a few species included but not even all of those found in The Veliger. I would like to see species listed with their most recently recognized genera and with the author and publication date after each. They then could be cross listed to journals. People could then make additions and deletions and synonymies as

CHANGE OF ADDRESS/NEW SUBSCRIBERS

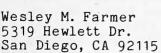
Mark McMahan 1793 Crestmont Costa Mesa, CA 92627 714/631-4844

they saw them.

Dr. Hans Bertsch Universidade Autonoma de Baja California Apdo. Postal No. 453 Ensenada, Baja California Mexico Phone: Mexico Int'l. 8-3018 or 8-1970

Doug Mason 6849 Fountaine Ave. Newark, CA 94560

J. Carlos Garcia Gómez Departamento de Zoologia Facultad de Biologia Apartado 1.095 Reina Mercedes, 6 SEVILLA - 13, Spain



Joyce Fleming 212 Santa Ana Long Beach, CA 90803

Dr. Marc Chamberlain 52 - 9th St. Hermosa Beach, CA 90254

V. Urgorri Departamento de Zoología Facultad de Biología Universidad de Santiago de Compostela Spain

CURRENT EVENTS

The sixty-second annual meeting of The Western Society of Naturalists will be held from December 27th through December 30th, 1981. Dr. Fred Hochberg is the local chairman (Santa Barbara Museum of Natural History, 2559 Puesta del Sol, Santa Barbara, California 93105, 805/682-4592). Major sections on: Marine Invertebrate Ecology, Marine Vertebrates, The Ecology



of Marine Neogastropods, Marine Fishes. The Importance & Use of Parasites in the Marine Environment, Invertebrate Physiology, Marine Algae - Physiology, Symbiosis, New Approaches to Algal Aqualculture, Invertebrate Reproduction, and Marine Algae. No papers specifically mentioning opisthobranchs are included in the advance program. The meetings are open to the general public as well as WSN members.

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10044 BALLESTEROS, M. & J.A. ORTEA, 1981. Nota sobre dos Opisthobranquios del litoral catalán. [Notes on two Opisthobranchs from the Catalonian Coast.] Publicaciones del Departamento de Zoologia, Universidad de Barcelona, 6:33-38, figs. 1-2. [Spanish, English summary; Runcina capreensis, Carminodoris boucheti]

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10052 HAMATANI, IWAO, November, 1980. On the Species of the Genus Oxynoe Rafinesque, 1819 from Japan, Inclusive of a New Species (Opisthobranchia: Ascoglossa). Publications of the Seto Marine Biological Laboratory, 25(5/6):349-360, pls. I-IV, text figs. 1-6. [O. kabirensis sp. nov.]

Philine quadripartita]

10053 HUGHES, ROY L., Jr., December, 1979. Ultrastructure of the buccal mass in juvenile Coryphella salmonacea (Gastropoda: Nudibranchia). The Journal of Molluscan Studies, 45(3):289-295.

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- PURCHASED A

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10063 POIZAT, C., M. HENRY & G. CRISTIANI, 1981. Modifications morphologiques et fonctionnelles d'un mollusque marin Microhedyle milaschewitschii Kow. 1903, au cours d'une contamination in vitro par le mercure. Biology of the Cell, 42:10a.

10064 POIZAT, C., M. HENRY & G. CRISTIANI, December, 1981. Modifications morphologiques et fonctionnelles d'un mollusque marin Microhedyle milaschewitschii Kow. 1903, au cours d'une contamination in vitro par le mercure. Opisthobranch Newsletter, 13(8):40.

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This is the end of Volume 13. Have a Merry Christmas and a Happy New Year!

OPISTHOBRANCH NEWSLETTER

January (April) 1982
Volume 14,
Number 1
Page 1

Petelodoris triphylla Bergh, 1881
Drawing by Kikutarô Baba
Based on a 7-8 cm animal; taken alive from Seto, Kii, Japan, May 6, 1958, by Mr. Torao Yamamoto. Type locality, Eno-shima, Sagami Bay, Japan.

* * * * *

The Opisthobranch Newsletter is published by Steven J. Long, 359 Roycroft Ave, Long Beach, California 90814, USA. Telephone 213-433-7148 (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 as material becomes available.

EDITOR'S NOTE

Thanks to Dave Mulliner, Ron Velarde, Don Cadien, Dave Behrens, J.A. Ortea, H.K. Mienis, Gordon Robilliard, Jeff Hamann, Michael Ghiselin, Kathe Jensen, Eveline Marcus, and others who have sent material for this issue of the ON.

PERSONAL NOTES

From Kathe Jensen: "I am presently working as Visiting Assistant Professor in the Division of Science and Mathematics, College of the Virgin Islands. [Charlotte Amalie, St. Thomas, U.S. Virgin Islands 00801] I have only been here for about 5 weeks [as of 25 February, 1982], and haven't had much time to go collecting, because I have been too busy getting everything ready for the courses I teach, finding a place to live, finding a reasonably priced dependable car (if there is such a thing), and having my stuff shipped over (some all the way from Denmark and some from Florida). However, I have done a little collecting from the beach right outside the College and have found Elysia tuca, Elysia serca (=E. clena), Cyerce antillensis, and Calliphylla mediterranea. I hope to be able to do more extensive collecting when all practical obstacles have been dealt with."

From Jeff Hamann: "I spent two weeks collecting opisthobranchs with my family in Australia this Christmas. We went to Lizard Island on the Great Barrier Reef. It's really a neat place. We had near perfect weather and an ideal set-up. Making sometimes 3 dives a day we burned 65 tanks of air, hit about 25 spots including 4 on the main reef and never got cold!

Collecting was the best I've ever seen. We found 75' different species of opisthobranchs. I got passable photos of 72 and brought home some preserved material. Unlike Heron Island (we spent Christmas 1978 there), where large Chromodorids were out and about all over during the day, collecting was hard work. Most specimens were under subtidal rocks and few were encountered more than once. At Heron Island there were 20 or so large dorids that were fairly common but only one Elysia, 1 Aglaja & Chromodoris decora could be called common at Lizard Island. Best depths seemed to range from intertidal to 30' at Lizard Island and 40' to 60' at Heron Island. In spite of these differences and over 1,000 miles I found 23 species common to both places."

From Steve Long: "Talked with Sandra Millen on 2-23-82. It snowed in Vancouver yesterday. I am heading up to Eureka to see the Oringers on the 27th of February and then on to see Sandra around the 3rd of March for a few days. Plan to look at Vancouver Island while there. I will be back in Long Beach by March 14th.

