

Opisthobranch Newsletter

July, 1997, 23(7):25

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EDITOR'S NOTES

Jim Lance and Wes Farmer were to spend a few days in Baja California during early June. They were to be driving Baja, down toward San Quintin Bay. Primary goal was to determine the southern limits of *Phyllaplysia taylori*, *Alderia modesta* & *Acteocina inculta*.

PERSONAL NOTES

From Paul Monfils: In my previous postings on UV-stimulated fluorescence in marine shells, I mentioned that UV sources are available both as elongate tubes (similar to standard fluorescent lights) and as UV bulbs, which screw into a standard lightbulb socket. I myself have been using a unit with two 18-inch, 15-watt tubes. I recently went out to purchase a UV source for someone else. I found that my 18-inch tubes cost \$22.00 each, while a 75-watt blacklight bulb went for \$3.75.

That should have made me suspicious right away. I bought two of the bulbs anyway. They are awful! They emit far too much visible light, and whatever UV they do emit is insufficient to produce any observable fluorescence, even in my most fluorescent specimens. I guess you get what you pay for. Anyway, I wanted to point this out, in case anyone is considering trying this. And, apologies to anyone who already purchased bulbs, based on my information, and got poor results. - P.O. Box 6183, Providence, RI 02940

From Heike Wägele: I am preparing papers, lectures, etc round the clock. I have hardly time to breath and no time to do any conversation. I am very interested in Opisthobranchia and Nudibranchia. My students and I are working on the phylogeny of these taxa with several techniques, including DNA-Sequencing. We have been to several local and international congresses. In addition, we are moving to Bochum next month and lots of things have to be prepared. When I start living again in August, I will send a note to the ON with change of address etc.

From Jim Carlton: Busy here -- a lot of travel internationally these days on introduced species issues, the same general subject I was knee-deep into (now neck-deep) back in the old Cal Academy days.

From Paul Katz: Please note that I have moved, my new address is: Dept. Biology, Georgia State University, P.O. Box 4010, Atlanta, GA30302-4010

From Pat LaFollette: I made several large "grunge" stations for micromollusks but "saw" only a few pyrams, and won't until the samples have been processed at LACM. I carried back the pyram portion of my Belize shell collection to compare with material at LACM. Also my Caribbean

literature and Dall & Bartsch, 1909 with the idea to perhaps scan and OCR the pyram parts. I haven't completely thought it through.

Re. the scanning project, I completed scanning of Part 1 of Sherborn (ca. 1350 pages) before I left for Belize and I'm presently evaluating a dozen different OCR packages to see which gives the best results. Current leader of the pack is FineReader (from Bitsoft in Moscow), with accuracy head and shoulders above OmniPage Pro or Xerox TextBridge, though still not perfect. They all have their strengths and weaknesses. I could throw together a review if anyone is interested. - Auto-Graphics, Inc., 3201 Temple Ave, Pomona, CA91769

From Robyn Cumming: I'm not working with opisthobranchs at present, am working on muricid ecology, but would like to do some more work on pyramidellids in the future. - The Swire Institute of Marine Science, The University of Hong Kong, Cape d'Aguilar, Shek O, Hong Kong

David Behrens has a significant change of address, effective immediately to 35 Versailles Court, Danville, CA 94506

READER FORUM

Locality data; *Phidiana hiltoni* (O'Donoghue, 1927) and *Cerberilla* sp. 1.

by David W. Behrens

Species number 210 from Pacific Coast Nudibranchs, *Phidiana hiltoni* (O'Donoghue, 1927). The range of this species is extended northward to Duxbury Reef, Marin County, California. Species number 217. *Cerberilla* sp. 1. This species has now been observed in 44 feet of water on a sand and shale bottom at Keyhole Rock on the north side of Anacapa Island, California (Kathy deWet, pers. comm.) With further investigation this species may prove to be *Cerberilla pungoarena* Farmer 1964 described from the Gulf of California. - 35 Versailles Ct., Danville, CA94506

Homonymy of Clionidae to be resolved.

by Andrew K. Rindsberg

Ron Voskuil of BioSys Software & Multimedia wrote to CONCH-L (4/23/97 and 4/24/97) to apprise us of the homonymy of Clionidae (based on gastropod *Clione*) and Clionidae (based on boring sponge *Cliona*). The authors and dates are as follows: Clionidae Gray, 1840, type genus *Clione* Pallas, 1774 and Clionidae Gray, 1867, type genus *Cliona* Grant, 1826.

I recently contacted a specialist on boring biota, Richard Bromley of the University of Copenhagen, and here is his reply (6/18/97):

"It is very coincidental that you should tell me about the strange, unnoticed yet obvious Clionidae homonym at this time. Because I have just returned from the Endoume Marine Station in Marseilles, France, where I learnt of the same homonym! A Spanish Ph.D. student has a paper in press on it. It is to become (oh woe!) Clionidae. She has incidentally got to grips with the ridiculous genus *Cliona* also. One by one the "great genera" such as *Callianassa* for instance, are being reduced to ordinariness by fragmentation! She has broken *Cliona* into about ten new genera, all on the basis of spicules of course. I have asked her for thesis and reprints but so far have not heard from her. When I have more info I shall pass it on, for the IN for instance."

The IN is the Ichnology Newsletter, of which I am a coeditor. Ichnology is the study of the traces of living activity made by organisms in the geologic record, such as burrows, borings, tracks, trails, footprints, gnaw marks, etc.

Did the same Gray name both snail and sponge families? If so, it is a remarkable case of bad memory!

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Thank you, Ron, for bringing this homonymy to our attention. It is only coincidence that the problem was already being resolved. - Andrew K. Rindsberg, Curator, Paleontological Collection, Geological Survey of Alabama, P.O. Box O, Tuscaloosa, AL 35486-9780, USA

REQUESTS

From Juan Lucas Cervera: I have tried to find who described *Trapania goddardi* and where it is published in the Gary McDonald's bibliography but I didn't. Could you supply me this information? - Dept. Biología Animal, Vegetal y Ecología, Facultad de Ciencias del Mar, Universidad de Cadiz, Pol. Río San Pedro s/n, Apdo. 40, 11510 Puerto Real (Cadiz), SPAIN

From Bill Wright: I am presently studying neurophysiology from a comparative perspective. I actually have three needs that I am trying to take care of via the internet. The first one is to find more Batesian mimics like the ones Gosliner and Behrens documented. The second is to find a collector for the tropical species, *Dolabrifera dolabrifera*, *Dolabella auricularia*, and *Bursatella leachii*. The third is to find a collector for the British species *Akera bullata*. - Col. St. Univ., Ft. Collins CO 80523

From Orso Angulo Campillo: I wonder if someone in the branch world, could help me. Could someone tell me the actual status of *Geitodoris inmundata* and if it is possible send me a picture of it? I'm a student of marine biology in the University of Baja California Sur, currently working with nudibranchs, and I found a branch that I think is a *Geitodoris inmundata*. Thanks - Proyecto Fauna Arrecifal, Universidad Autonoma de Baja California Sur, Departamento de Biología Marina, Carretera Sur. Km. 5.5., A.P. 19-B, CP. 23000, La Paz, B.C.S., Mexico

From Rick Harbo: I recently found 2 specimens of *Iselica* sp., with a jellied mass on the native littleneck clam, *Protothaca staminea*, in the intertidal zone of Barkley Sound, Vancouver Island.

This small gastropod is described both as an Opisthobranch (eg. Kozloff's keys) and as a Prosobranch. Does anyone have any info on this one? - Nanaimo, B.C., Canada, rharbo@island.net

From James Murray: I study the neural basis of behavior in the northern Pacific nudibranch *Tritonia diomedea* Bergh. My thesis work concerned how this slug orients to, and crawls into tidal flow in its natural habitat. *T. diomedea* can grow up to 1500 grams by eating pennatulaceans such as *Ptilosarcus*, *Stylatula*, and *Virgularia*. I am interested in their natural history as well as their physiology and biophysics. *T. diomedea* orients to many natural stimuli including water flow, food odor, and the geomagnetic field. This summer I will be studying how a particular pair of brain cells which innervate the foot of this slug respond to the earth's magnetic field while the slug is crawling in the lab.

Other mysteries I am interested in exploring are the natural adaptive function of orientation and navigation in this slug, behavioral and physiological differences in separated populations, and in why I've never found a slug less than 5 cm long at one of my collecting sites (spontaneous generation revisited?).

I'd be interested in hearing from anyone who encounters this species, and would like to know the size of the slug, depth at which it was found, and its likely food source

species. My home page contains a photo of this slug <http://crayfish.ucsd.edu/~john/jim/jim.html> - 0357 U.C. San Diego, La Jolla, CA92093-0357

From Yolanda E. Camacho Garcia: I wonder if you know somebody who is working with the family Onchidiidae and is familiar with the species from the Pacific coast of Central America. Thanks in advance for any help. - Curator of Malacology, National Biodiversity Institute (INBio), Apdo. 22-3100 Santo Domingo, Heredia, COSTA RICA

From Conxita Avila: I have a new e-mail address - conxita@ceab.csic.es. Note addition of "csic" to the old address.

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- Millard, Victor 1996. Classification of Mollusca. 421p. [covers all recent genera and some fossils worldwide. Vaught's book was used as a point of departure. There have been calls for the information to include more detail. I have therefore begun with the inclusion of Type species for the genera and subgenera as well as the inclusion of more fossil names, or in the case of recent and fossil this has been mentioned where the information was available. Dramatic changes have occurred in certain of the families, these changes have been listed as well as the family of subfamily under which they were placed. New genera, subgenera and classification since 1989 have also been added from authors from America, Belgium, Australia, Netherlands, South Africa and Russia. There is a comprehensive index of all names from Class to Subgenus and all synonyms and homonyms. The CDROM version will be a while in coming. But as there is a call for the book to be available in data readable form, I will make a diskette available to those who request it. Preferably in MS Word but some other formats can be requested. [The entire opisthobranch and pyramidellid sections are on the Opisthobranch Site, courtesy of Victory.] Invoices can either be e-mailed or posted. US\$65 each - Credit cards can unfortunately not be accommodated. Cheques and Drafts to be made out to Victor Millard, P.O.Box 27208, Rhine Road, 8050, South Africa
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- coelestis*, *Hypselodoris edenticulata*, *Hypselodoris elegans*, *Hypselodoris espinosai* n.sp., *Hypselodoris fontandraui*, *Hypselodoris gasconii* n.sp., *Hypselodoris gofasi* n.sp., *Hypselodoris gracilis*, *Hypselodoris malacitana*, *Hypselodoris marci*, *Hypselodoris messinensis*, *Hypselodoris midatlantica*, *Hypselodoris muniaini*, n.sp., *Hypselodoris orsini*, *Hypselodoris orsinii*, *Hypselodoris picta azorica*, *Hypselodoris picta picta*, *Hypselodoris picta tema*, *Hypselodoris picta verdensis*, *Hypselodoris picta webbi*, *Hypselodoris pinna*, *Hypselodoris ruthae*, *Hypselodoris sp.*, *Hypselodoris sycilla*, *Hypselodoris tema*, *Hypselodoris tricolor*, *Hypselodoris valenciennesi*, *Hypselodoris villafranca*, *Hypselodoris webbi*, *Hypselodoris xicoi*, n.sp., *Hypselodoris zebra*, *Mexichromis francoisae*, *Mexichromis garciagomezi*, *Mexichromis kempi*, *Mexichromis molloi* n.sp., *Mexichromis tricolor*, *Noumea*, *Polycera webbi*, *Risbecia nyalnya*, n.spp. listed as Ortea & Valdés]
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