

Opisthobranch Newsletter

July/August, 1999 -- 25(7/8):21

Steven J. Long, editor; 20220 21st Avenue N.W., Shoreline, WA 98177-2314; 206-546-5977; 206-546-5076 fax; <http://www.seaslug.com>. Printed copies \$20 (US funds) per volume. Copyright © 1999.

EDITOR'S NOTES

Over the years postage and printing costs have continued to rise as the service quality dropped. I am no longer able to print copies of the ON and mail them out monthly or even quarterly. I will make the electronic edition available free on the internet. The paper copies will be mailed out once each year to paid subscribers. This will have the side-benefit of combining all of the bibliography and address lists into one large list for easier reference. The address list will only go to paid subscribers. If you need the address of anyone, please send me an email or call. The change to annual publication will also give you time to send me your reprints so that they may be carefully indexed in the annual review and any corrections necessary made. Donations and review copies are always welcome.

Thanks to Dave Behrens, Terry Gosliner, James Lance, Cynthia Trowbridge, Hans Bertsch, Gary McDonald, Sandra Millen, Erwin Köhler and others for information for this issue.

If you are listing species names in bibliography material you send me, please include misspellings and questionable identifications as originally listed in the paper. You may put the correction in square brackets immediately prior to the "error". In this way, the search engine will find more mentions of the species and the user can determine "correct" usage.

INFORMATION EXCHANGE

From Karen Burnett: I would be really pleased if you could you send me a copy of the most recent newsletter. Also if you have any information on the *Berghia verrucicornis* and its use in aquariums to eradicate *Aptasia*, I would be really keen to receive any info. too. I'm a biology grad. currently researching the use of *Berghia* as biological control in large aquariums, but am having real difficulties in finding stockists and also detailed information on their use as a biological control. (I have had reports that it maybe detrimental to the fish stocks if stressed in the

aquarium?). Any help or information will be gratefully received! - karen_burnett@hotmail.com

From Cynthia Trowbridge: I just returned from the Second Asian-Pacific Phycology Forum in Hong Kong. There were many papers discussing gastropod herbivory including the following two focusing on opisthobranch herbivory:

- (1) Changes in host-plant use: sea slugs on introduced Asian *Codium fragile* (Chlorophyta, Codiaceae) by Cynthia D. Trowbridge from Oregon State University [about *Placida dendritica*, *Elysia viridis*, and *Elysia maoria*]
- (2) The role of diet-derived algal metabolites in the sea hare *Aplysia parvula* Mörch (Opisthobranchia: Anaspidea) by David W. Ginsburg, Mikel A. Becerro, Robert W. Thacker, and Valerie J. Paul from University of Guam [about *Aplysia parvula*]. David Ginsburg earned a best student award for his presentation in the Ecology section.

From Jim Lance: The government of Mexico no requires a fee of 16 dollars (U.S.A.) or an appropriate amount (depending on the exchange rate at that day) for each person in a vehicle traveling south on the Baja peninsula. The fee-collection stations are: A. about 4.5 miles south of Ensenada, Mexico. B. 2.8 miles south of San Felipe, Mexico. These new rules apply to all non-Mexican nationals. For information contact: Mexican Consulate of San Diego, 1549 India St., San Diego, CA, U.S.A.

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- Alania, M.; Institute of Developmental Biology, Russian Academy of Science, Moscow
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BIBLIOGRAPHY (with Gary McDonald)

- Alania, M.; Sakharov, D.A. 1998-06/07/08.** The cellular basis of movement coordination is conservative in gastropods differing in feeding strategies. *Zhurnal Obshchei Biologii*, v.54, n.4, (1998. June-Aug.): 400-408. [Russian; *Limax cinereaniger*]
- Baranets, O.N.; Minichev, Yu.S. 1995.** Evolution of the mantle complex of nudibranchs (Gastropoda, Nudibranchia). *HYDROBIOL.-J.* 1995 vol. 31, no. 7, pp. 51-58
- Bavestrello, G.; Cerrano, C.; Cattaneo Vietti, R.; Sara, M. 1996.** Relations between *Eudendrium glomeratum* (Cnidaria, Hydromedusae) and its associated vagile fauna. *SCI.-MAR.-BARC.* 1996 vol. 60, no. 1, pp. 137-143. [Special Issue: Advances in Hydrozoan Biology]
- Blackwell, Kim T.; Alkon, Daniel L. 1999-03-20.** Ryanodine receptor modulation of in vitro associative learning in *Hermisenda crassicornis*. *Brain Research* 822(1-2): 114-125.
- Bonaventura, Celia 1999-01.** NIEHS Workshop: Unique marine/freshwater models for environmental health research (Research Triangle Park, North Carolina, USA; April 20-21, 1998; National Institute of Environmental Health Sciences). *Environmental Health Perspectives* 107(1):89-92.
- Carroll, D.J.; Kempf, S.C. 1991.** A new monoclonal antibody prepared against adult nudibranch neural tissue recognizes antigens in the larval velum. *Annu. Meet. of the American Soc. of Zoology, American Microscopical Soc., Animal Behavior Soc., the Crustacean Soc., and the Int. Assoc. of Astacology*, Atlanta, GA (USA), 27-29 Dec 1991. *AM.-ZOO.* 1991 vol. 31, no. 5, p. 32A. [Summary only]
- Chester, C.M. 1995.** The role of adult nutrition in offspring development in an estuarine nudibranch. 23. *Benthic Ecology Meeting*, New Brunswick, NJ (USA), 17-19 Mar 1995. Grassle, -J.P.; Kelsey, -A.; Oates, -E.; Snelgrove, -P.V. -eds. *Rutgers-the-State-Univ., -New-Brunswick, -NJ-USA. -Inst.-Marine-Coastal-Sciences 1995 vp* Abstract only.
- Clatworthy, Andrea L; Grose, Eric 1999-03.** Immune-mediated alterations in nociceptive sensory function in *Aplysia californica*. *Journal of Experimental Biology* 202(5):623-630.
- Cruise, J. 1994.** Nudibranchs -- gaudy baubles of the sea. *WILDL.-AUST.* 31(4):16-17, illus.
- Dilip de Silva, E.; Morris, S.A.; Miao, S.; Dumdei, E.; Andersen, R.J. 1991.** Terpenoid metabolites from skin extracts of four Sri Lankan nudibranchs in the genus *Chromodoris*. *J. NAT. PROD. LLOYDIA.* 1991. vol. 54, no. 4, pp. 993-997
- Dybas, C.L. 1994.** Tough but tender abalone stage a comeback. *SEA FRONT.* 40(3):12-13.
- Ferreira, A.J.; Bertsch, H.W. 1975.** Anatomical and distributional observations of some opisthobranchs from the Panamic faunal province. *Veliger* 17(4):323-330. [*Stiliger fuscatus*, *Stiliger evelinae*, *Ercolania*, *Polybranchia viride*, *Phyllobranchillus viridis*, *Dolabrifera dolabrifera*, *Phyllaplysia padinae*, *Dolabrifera nicaraguana*, *Hypselodoris agassizii*, *Hypselodoris californiensis*, *Tayuva ketos*, *Diaulula sandiegensis*, *Aldisa sanguinea*, *Antiopella barbarendis*, *Berghia amakusana*, *Aeolidiella takanosimensis*]

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- Fontana, Angelo; Ciavatta, Maria Letizia; Miyamoto, Tomofumi; Spinella, Aldo; Cimino, Guido 1999-04-30.** Biosynthesis of drimane terpenoids in dorid molluscs: Pivotal role of 7-deacetoxylepupane in two species of *Dendrodoris* nudibranchs. *Tetrahedron* 55(18):5937-5946. [*Dendrodoris arborescens*; *Dendrodoris limbata*]
- Fusetani, N.; Hiroto, H.; Okino, T.; Tomono, Y.; Yoshimura, E. 1996.** Antifouling activity of isocyanoterpenoids and related compounds isolated from a marine sponge and nudibranchs. *J.-NAT.-TOXINS* 5(2):249-259.
- Garcia, Francisco J.; Troncoso, Jesus S. 1999-04-01.** Description of a new species of the genus *Phidiana* Gray, 1850 (Nudibranchia: Facelinidae) from Pacific Ocean waters of Panama. *Veliger* 42(2):190-193. [*Phidiana mariadelmarae* n.sp.]
- Gerencser, George A.; Kornette, Kuuleialoha M.; Loo, Stanley Y. 1999-02.** Intracellular Na⁺ activities in *Aplysia* gut: Effects of transport inhibitors on the Na⁺ pump. *Comparative Biochemistry and Physiology A* 122(2):221-226. [*Aplysia californica*]
- Goddard, J.H.R. 1973-10-01.** Opisthobranchs of San Francisco Bay. *Tabulata* 6(4):8-10. [*Aplysia californica*, *Armina californica*, [*Dialulula*] *Dialula sandiegensis*, *Dirona abolineata*, *Dirona picta*, *Elysia hedgpethi*, *Hermisenda crassicornis*, *Placida dendritica*, *Triopha* sp., *Triopha grandis*, *Tritonia exsulans*, *Archidoris montereyensis*, *Aeolidia papillosa*, *Polycera atra*]
- Gonor, J.J. 1961.** Observations on the biology of *Hermaeina smithi*, a sacoglossan opisthobranch from the west coast of North America. *Veliger* 4(2):85-98. [*Hermaeina smithi*, *Stiliger*, *Hermaea*, *Olea hansineensis*, *Hermaeina orientalis*, *Hermaeina nigra*, *Hermaeina toyamana*, *Hermaeina minor*, *Elysia*, *Stiliger gopalai*, *Lobiger serradifalci*, *Hermaea dendritica*, *Cyerce elgans*, *Limapontia*, *Hermaeina brattstroemi*, *Phyllobranchopsis enteromorphae*, *Elysia viridis*, *Cyerce iheringi*, *Lobifera crystallina*, *Oxynoe olivacea*, *Bosellia mimetica*, *Alderia uda*, *Alderia modesta*, *Hermaeina maculata*, *Hermaeina (Phyllobranchopsis) enteromorphae*, *Hermaeina formosae*, *Hermaeina sinuensis*, *Hermaeina brattstroemii*, [*Aplysiopsis*] *Aplysiopsis elegans*, *Caliphylla mediterranea*, *Hermaea coirala*, *Stiliger talis*, *Stiliger fuscatus*, *Stiliger vanellus*]
- Gosliner, T.M.; Williams, G.C. 1973a.** Additions to the opisthobranch mollusk fauna of Marin County, California, with notes on their natural history. *Veliger* 15(4):352-354. [*Anisodoris nobilis*, *Discodoris heathi*, *Hermaeina smithi*, *Hermisenda crassicornis*, *Phyllaplysia taylori*, *Acanthodoris hudsoni*, *Alderia modesta*, *Dendronotus iris*, *Trinchesia virens*, *Armina californica*, *Elysia hedgpethi*, *Polycera hedgpethi*, *Tritonia exsulans*]
- Graziani, E.I.; Anderson, R.J. 1996.** Investigations of sesquiterpenoid biosynthesis by the dorid nudibranch *Acanthodoris nanaimoensis*. *J.-AM.-CHEM.-SOC.* 118(19):4701-4702
- Greene, Richard W. 1970.** Symbiosis in sacoglossan opisthobranchs: functional capacity of symbiotic chloroplasts. *Marine Biology* 7(2):138-142. [*Elysia hedgpethi*, *Placobranchus ianthobapsus*, *Placobranchus ocellatus*, *Tridachiella diomedea*, *Elysia atroviridis*]
- Greene, Richard W. 1970.** Symbiosis in sacoglossan opisthobranchs: symbiosis with algal chloroplasts. *Malacologia* 10(2):357-368. [*Elysia hedgpethi*, *Placida dendritica*, *Hermaeina smithi*, *Aeolidiella alderi*, *Aeolis glauca*, *Favorinus albus*, *Melibe rangii*, *Phyllirhoe* sp., *Spurilla neapolitana*, *Doridoeides gardineri*, *Tridachia crispata*, *Placobranchus ocellatus*, *Placobranchus ianthobapsus*, *Elysia atroviridis*, *Hermaea bifida*, *Hermaea dendritica*, *Acteonia senestra*, *Limapontia capitata*, *Tridachiella diomedea*, *Elysia viridis*]
- Greenwood, P.G.; Garrity, L.K. 1991.** Discharge of nematocysts isolated from aeolid nudibranchs. 5. Int. Conf. on Coelenterate Biology, Southampton (UK), 10-14 Jul 1989 *Coelenterate Biology: Recent Research On Cnidaria And Ctenophora*. Williams, R.B.; Cornelius, P.F.S.; Hughes, R.G.; Robson, E.A. [Eds.] 216/217:671-677
- Haramaty, L. 1991.** Reproduction effort in the nudibranch *Phestilla sibogae*: Calorimetric analysis of food and eggs. *PAC.-SCI.* 45(3):257-262
- Horn, C.C.; Benjamin, P.R.; Weiss, K.R.; Kupfermann, I. 1999-06-04.** Decrement of the response of a serotonergic modulatory neuron (the metacerebral cell) in *Aplysia*, during repeated presentation of appetitive (food) stimuli. *NEUROSCIENCE LETTERS* 267(3):161-164.
- Hurwitz, Itay; Perrins, Ray; Xin, Yuanpei; Weiss, Klaudiusz R.; Kupfermann, Irving 1999-02.** C-PR neuron of *Aplysia* has differential effects on "feeding" cerebral interneurons, including myomodulin-positive CBI-12. *Journal of Neurophysiology* 81(2):521-534. [*Aplysia californica*]
- И'ин, I.N.; Roginskaya, I.S. 1987.** [Mollusks of the order Nudibranchia in pelagic epifauna from solid substrates.] *Mollyuski-nudibrankhii v pelagicheskoy ehpfauze tverdykh substratov. Feeding Of Marine Invertebrates And Its Significance In Formation Of Communities.. Pitaniye Morskikh Bespozvonochnykh I Ego Rol' V Formirovaniy Soobshchestv.- 1987.* pp. 72-75. [Russian]
- Janssen, Arie W. 1998.** Notes on the systematics, morphology and biostratigraphy of fossil holoplanktonic Mollusca, 1. Holoplanktonic molluscs from the Miocene of Wadi Gharandel, Western Sinai (Egypt), revised. *Basteria* 62(5-6):193-196. [*Limacina inflata*; *Limacina tertiaria*; *Vaginella austriaca*; *Vaginella lapugyensis*]
- Jing, Jian; Gillette, Rhanor 1999-02.** Central pattern generator for escape swimming in the notaspid sea slug *Pleurobranchaea californica*. *Journal of Neurophysiology* 81(2):654-667. [*Tritonia diomedea*]
- Johnson, P.M.; Willows, A.O.D. 1999.** Defense in sea hares (Gastropoda, Opisthobranchia, Anaspeidea): Multiple layers of protection from egg to adult. *Marine and Freshwater Behaviour and Physiology* 32(2-3):147-180.
- Johnson, Sylvia L.; Schroeder, Miriam L.; Sanchez, Jose Antonio D.; Kirk, Mark D. 1999-04-19.** Axonal regeneration in the central nervous system of *Aplysia californica* determined by anterograde transport of biocytin. *Journal of Comparative Neurology* 406(4):476-486.
- Klussmann Kolb, A.; Brodie, G.D. 1999-04.** Internal storage and production of symbiotic bacteria in the reproductive system of a tropical marine gastropod. *Marine Biology* 133(3):443-447. [*Dendrodoris nigra*]
- Kubaneck, J.; Andersen, R.J. 1999-05.** Evidence for de novo biosynthesis of the polyketide fragment of dialulsterol A by the northeastern Pacific Dorid nudibranch *Dialulula sandiegensis*. *JOURNAL OF NATURAL PRODUCTS* 62(5):777-779.
- Land, S.C.; Porterfield, D.M.; Sanger, R.H.; Smith, P.J.S. 1999-01.** The self-referencing oxygen-selective microelectrode: Detection of transmembrane oxygen flux from single cells. *Journal of Experimental Biology* 202(2): 211-218. [*Aplysia californica*]
- Lee, Richard S.; Brophy, Patrick 1969.** Additional bathymetric and locality data for some opisthobranchs and an octopus from Santa Barbara County, California. *Veliger* 12(2):220-221. [*Acanthodoris atrogiseata*, *Acanthodoris hudsoni*, *Acanthodoris nanaimoensis*, *Anisodoris nobilis*, *Archidoris montereyensis*, *Berthellina engeli*, *Cadlina flavomaculata*, *Dendrodoris* sp., *Dendrodoris iris*, *Doto wara*, *Gastropterion pacificum*, *Hermaeina oliviae*, *Petelodoris spongicola*, *Phidiana pugnax*, *Philine bakeri*, *Phyllaplysia taylori*, *Pleurobranchaea californica*]
- Levy, Miriam; Susswein, Abraham J. 1999-01/02.** Separate effects of a classical conditioning procedure on respiratory pumping, swimming, and inking in *Aplysia fasciata*. *Learning & Memory* 6(1):21-36.
- Lomneth, Richard B. 1999-02.** Botulinum neurotoxins inhibit regulated exocytosis in many cell types other than neurons. *Journal of Toxicology Toxin Reviews* 18(1):77-94. [*Aplysia californica*]

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- Lovely, E.C. 1995.** Abundance patterns of nudibranchs and pycnogonids in *Tubularia larynx* colonies. 23. Benthic Ecology Meeting, New Brunswick, NJ (USA), 17-19 Mar 1995. Grassle, J.P.; Kelsey, A.; Oates, E.; Snelgrove, P.V. [eds.] Rutgers-the-State- Univ.,-New-Brunswick,-NJ-USA.-Inst.-Marine-Coastal-Sciences 1995 vp Abstract only.
- Lovely, E.C. 1996.** Distributions of nudibranchs and pycnogonids in *Tubularia larynx* colonies. 24. Annu. Benthic Ecology Meeting, Columbia, SC (USA), 7-10 Mar 1996; Twenty Fourth Annual Benthic Ecology Meeting, Held In Columbia, South Carolina, March 7 10, 1996. Woodin, S.A.; Allen, D.M.; Stancyk, S.E.; Williams Howze, J.; Feller, R.J.; Wethey, D.S.; Pentcheff, N.D.; Chandler, G.T.; Decho, A.W.; Coull, B.C. [Eds.] 1996 p.55 Abstract only
- Millen, Sandra V. 1983.** Range extensions of opisthobranchs in the northeastern Pacific. Veliger 25(4):383-386. [*Adalaria pacifica*, *Adalaria proxima*, *Aldisa cooperi*, *Ancula pacifica*, *Cadlina modesta*, *Cargoa vancouverensis*, *Cumanotus beaumonti*, *Cuthona albocrusta*, *Cuthona concinna*, *Cuthona divae*, *Dendronotus subramosus*, *Doridella steinbergae*, *Doto amyra*, *Doto columbiana*, *Doto kya*, *Eubranthus olivaceus*, *Eubranthus rustyus*, *Eubranthus sanjuanensis*, *Flabellina salmonacea*, *Flabellina trilineata*, *Flabellina verrucosa*, *Coryphella longicaudata*, *Hallaxa chani*, *Hermaea vancouverensis*, *Onchidoris muricata*, *Phyllaplysia taylori*, *Triopha maculata*, *Triopha occidentalis*]
- Millen, Sandra V. 1989.** Opisthobranch range extensions in Alaska with the first records of *Cuthona viridis* (Forbes, 1840) from the Pacific. Veliger 32(1):64-68. [*Cuthona viridis*, *Doridella steinbergae*, *Hermaea vancouverensis*, *Adalaria* sp., *Ancula pacifica*, *Aplysiopsis smithi*, *Catriona columbiana*, *Dendronotus diversicolor*, *Diaphorodoris lirulatocauda*, *Discodoris heathi*, *Doto amyra*, *Eubranthus olivaceus*, *Eubranthus rustyus*, *Eubranthus sanjuanensis*, *Flabellina pricei*, *Hallaxa chani*, *Polycera (Palio) zosteriae*, *Stiliger fuscovittatus*, *Cuthona albocrusta*, *Cuthona signifera*, *Cuthona scintillans*]
- Moreno, Diego; Templado, Jose 1998-12.** New contributions to the knowledge of the opisthobranchs from southeast Spain. II. Iberus, v.16, n.2, (1998. Dec.): 39-58. [Spanish, *Berghia colombina*; *Dicata odhneri*; *Okenia mediterranea*; *Philine angulata*; *Roboastra europea*; *Tambja ceutae*]
- Moreno, J.E.A. de; Gerpe, M.S.; Moreno, V.J.; Vodopivec, C. 1997.** Heavy metals in Antarctic organisms. POLAR-BIOL. 1997 vol. 17, no. 2, pp. 131-140
- Murillo, Luis; Templado, Jose 1998-12.** Spawn and development of *Bulla striata* (Opisthobranchia, Cephalaspidea) from the Western Mediterranean. Iberus, v.16, n.2, (1998. Dec.): 11-19.
- Muzzio, Isabel A.; Ramirez, Rey R.; Talk, Andrew C.; Matzel, Louis D. 1999-02.** Interactive contributions of intracellular calcium and protein phosphatases to massed-trials learning deficits in *Hermissenda*. Behavioral Neuroscience, v.113, n.1, (1999. Feb.): 103-117.
- Nakashima, Y. 1995.** Mucous trail following in 2 intertidal nudibranchs. J.-ETHOL. 1995 vol. 13, no. 1, pp. 125-128
- Nargeot, R.; Baxter, D.A.; Patterson, G.W.; Byrne, J.H. 1999-04.** Dopaminergic synapses mediate neuronal changes in an analogue of operant conditioning. Journal of Neurophysiology 81(4):1983-1987. [*Aplysia*]
- Perrone, A.S. 1988.** [Convergent phylogenetics of coloration of Aeolidacea: "Baba's circle" (Opisthobranchia: Nudibranchia)]. Convergenza filogenetica nella ornamentazione cromatica di Aeolidie oplofaghe: "Circolo di Baba" (Opisthobranchia: Nudibranchia). BOLL.-MALACOL. 1989. vol. 24, no. 9-12, pp. 231-236, 6 figs. [Italian]
- Petelina, E.V.; Kharazova, A.D. 1987.** [Changes of RNA synthesis in the nerve cells of the nudibranch *Coryphella rufibranchialis* during its acclimation to lowered salinity and in the process of deacclimation.] Izmenenie intensivnosti sinteza RNK v nervnykh kletkakh golozhabernykh mollyuskov pri akklimatsii k ponizhennoj selenosti i v protsesse deakklimatsii. Tsitologiya 29(5):606-610. [Russian; N]
- Reidy, S. 1996.** Comparison of associations of the nudibranch *Aeolidia papillosa* with two sea anemones *Urticina crassicornis* and *Metridium senile*. 24. Annu. Benthic Ecology Meeting, Columbia, SC (USA), 7-10 Mar 1996, Twenty Fourth Annual Benthic Ecology Meeting, Held In Columbia, South Carolina, March 7 10, 1996. Woodin, S.A.; Allen, D.M.; Stancyk, S.E.; Williams Howze, J.; Feller, R.J.; Wethey, D.S.; Pentcheff, N.D.; Chandler, G.T.; Decho, A.W.; Coull, B.C. [Eds.] 1996 p. 68 [Abstract only]
- Roginskaya I.S. 1998.** [The records of *Dendronotus frondosus* (Ascanius) (Nudibranchia, Dendronotidae) in the intertidal zone of Bering Island (Commander Islands)], pp 108-111. [In:] "Benthos of the High Latitude Regions" [Eds. A.P.Kuznetsov and O.N.Zezina]. Russian Academy of Sciences, P.P.Shirshov Institute of Oceanology. Moscow, VNIRO Publishing House, 1998. [In Russian with English Summary, p.134, *Dendronotus frondosus*, *Coryphella athadona*, *Aeolidia papillosa*, *Acanthodoris pilosa*, *Onchidoris muricata*].
- Rubakhin, Stanislav S.; Li, Lingjun; Moroz, Tatiana P.; Swedler, Jonathan V. 1999-03.** Characterization of the *Aplysia californica* cerebral ganglion F cluster. Journal of Neurophysiology 81(3):1251-1260.
- Rudman, W.B. 1991.** Purpose in pattern: The evolution of colour in chromodorid nudibranchs. J.-MOLLUSCAN-STUD. 1991. vol. 57, no. 4, supp., pp. 5-21
- Sammut, Carmel R.; Perrone, Antonio S. 1998.** A preliminary check-list of Opisthobranchia (Mollusca, Gastropoda) from the Maltese Islands. Basteria 62(5-6): 221-240.
- Sawada, M.; Ichinose, M. 1999-06-01.** Potentiation of GABA(A) receptor-mediated Cl⁻ current by urotensin peptides in identified *Aplysia* neurons. JOURNAL OF NEUROSCIENCE RESEARCH, 1999 JUN 1, V56 N5:547-552.
- Schiotte, Tom 1998.** A taxonomic revision of the genus *Diaphana* Brown, 1827, including a discussion of the phylogeny and zoogeography of the genus (Mollusca: Opisthobranchia). Steenstrupia, v.24, n.1, (1998.): 77-140. [*Diaphana abyssalis* n.sp.; *Diaphana flava* n.comb.; *Diaphana marshalli* n.comb.; *Diaphana mauretaniensis* n.sp.; *Diaphana pacifica* n.sp.; *Diaphana tasmanica* n.comb.]
- Slattery, M.; McClintock, J.B.; Heine, J.; Weston, J. 1991.** Chemical defense, biochemical composition and energetic content of three antarctic opisthobranchs. Annu. Meet. of the American Soc. of Zoology, American Microscopical Soc., Animal Behavior Soc., the Crustacean Soc., and the Int. Assoc. of Astacology, Atlanta, GA (USA), 27-29 Dec 1991. AM.-ZOOLOG. 1991 vol. 31, no. 5, p. 26A [Summary only]
- Storozhuk, M.; Castellucci, V.F. 1999-04.** Modulation of cholinergic transmission in the neuronal network of the gill and siphon withdrawal reflex in *Aplysia*. Neuroscience 90(1):291-301.
- Storozhuk, Maksim V.; Castellucci, Vincent F. 1999-01.** The synaptic junctions of LE and RF cluster sensory neurones of *Aplysia californica* are differentially modulated by serotonin. Journal of Experimental Biology 202(2):115-120.
- Taboy, Celine H.; Bonaventura, Celia; Crumbliss, Alvin L. 1999-02.** Spectroelectrochemistry of heme proteins: Effects of active-site heterogeneity on Nernst plots. Bioelectrochemistry and Bioenergetics 48(1):79-86. [*Aplysia*]
- Tholleson, Mikael 1999-01-07.** Phylogenetic analysis of *Euthyneura* (Gastropoda) by means of the 16S rRNA gene: Use of a 'fast' gene for 'higher-level' phylogenies. Proceedings of the Royal Society Biological Sciences Series B 266(1414):75-83.
- Tokmakova, N.P.; Petrova, O.M.; Martynov, A.V. 1999-01/02.** [Comparative histological study of the digestive gland epithelium in some species of Opisthobranchia.] Biologiya Morya (Vladivostok) 25(1):51-55. [Russian; *Aplysia dactylomela*; *Glassodoris atromarginata*]