



Southern California Association of
Marine Invertebrate Taxonomists

3720 Stephen White Drive
San Pedro, California 90731

December 1988

Vol. 7, No. 9

NEXT MEETING: Caprellid Amphipods
DATE: January 9, 1989
LOCATION: Cabrillo Marine Museum

MINUTES FROM MEETING ON DECEMBER 12, 1989

Bodotriidae Cumacea from Southern California -

This month's meeting was the first of a series of meetings to take a critical look at the cumaceans from southern California, in the hopes of getting the information into the published literature. The idea is to concentrate on one family at a time, determine what species occur in southern California and then develop a matrix of characters for that family. The matrix of characters then will be used to facilitate the descriptions of all members in a family including previously undescribed species. Our beginning point in December was the family Bodotriidae.

There appears to be 13-15 species from the family Bodotriidae that occur in southern California. We decided upon approximately 40 characters from these species to use in a character matrix for this family. In addition, we revised the keys to the genera of cumaceans from southern California developed by Doug Diener (from MEC) in August, 1983 (SCAMIT Newsletter Vol. 2, No. 5). These keys now include all new genera recently discovered in our area. The list of species, matrix of characters and revised keys are being worked-up and should be ready for inclusion in the next newsletter.

We plan to schedule more meetings in 1989 to continue the work on the Bodotriidae and other cumacean families.

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The SCAMIT newsletter is not deemed to be a valid publication
for formal taxonomic purposes.

Cumacean Literature of Interest -

- Calman, W. T. 1907. On new or rare Crustacea of the order Cumacea from the collection of the Copenhagen Museum. Art. I. The families Bodotriidae, Vaunthompsoniidae, and Leuconidae. Transactions of the Zoological Society of London, 18(1): 1-58.
- Calman, W. T. 1912. The Crustacea of the order Cumacea in the collection of the United States National Museum. Proc. of the United States National Museum, 41(1876): 603-676.
- Hale, H. M. 1944. Australian Cumacea, No. 8. The family Bodotriidae. Trans. of the Royal Society of South Australia, 68(2): 225-285.
- Hale, H. M. 1948. Australian Cumacea, No. 14. Further notes on the genus Cyclaspis. Records of the South Australian Museum, 9: 1-42.
- Hale, H. M. 1949. Australian Cumacea, No. 15. The family Bodotriidae (Cont). Records of the South Australian Museum, 9: 107-125.
- Jones, N. S. 1963. The marine fauna of New Zealand: crustaceans of the order Cumacea. Bull. New Zealand Deep Scient. Ind. Res. Vol. 152: 1-80.
- Jones, N. S. 1969. The systematics and distribution of Cumacea from depths exceeding 200 meters. Galathea Report, 10: 99-180.

Jobs....Jobs....Jobs -

Cabrillo Marine Museum has an opening for a part-time curatorial assistant. This job has flexible hours and various duties. It would be an excellent opportunity for a natural science student to gain experience working at one of southern California's most active museums. Contact Cathy Crouch at (213) 548-7563.

Locations....Locations....Locations-

MEC Analytical Systems has recently relocated their offices. Their new address is:

MEC Analytical Systems Inc.
2433 Impala Drive
Carlsbad CA 92009
(619) 931-8081
FAX (619) 931-1580

Larry Lovell, formerly of MEC, has recently taken a new position as a marine biologist at the Pt. Loma Biology Lab in San Diego.

His new address is: Larry Lovell
Pt. Loma Biology Lab
4077 N. Harbor Drive
San Diego, CA 92101



Amphipods....Amphipods....Amphipods-

Don Cadien, of MBC Applied Environmental Sciences has prepared some notes on the amphipod Photis sp. B. They are attached to this newsletter.

Symposium Announcement-

An announcement of the First International Symposium on Abalone Biology, Fisheries and Culture being held at La Paz, Mexico is included in this newsletter.

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**The First
INTERNATIONAL
SYMPOSIUM
on
ABALONE BIOLOGY,
FISHERIES
and
CULTURE**

Organizing Committee:

Scoresby A Shepherd (Australia)
Mia Tegner (United State of America)
Sergio Guzman del Proo (Mexico)
Nagahisa Uki (Japan)

The First International Symposium on Abalone
Biology, Fisheries and Culture
C/- S A Shepherd
Phone: (08) 226 0631
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Fax: (08) 232 1324

**21-25 NOVEMBER, 1989 .
LA PAZ, MEXICO**

Dear Colleague:

It is a great pleasure to announce that the FIRST INTERNATIONAL SYMPOSIUM ON ABALONE BIOLOGY, FISHERIES AND CULTURE will be held in La Paz, Mexico, on 21-25 November, 1989. You are cordially invited to participate in the scientific SYMPOSIUM as well as tour Baja California.

SCIENTIFIC PROGRAMME:

1. scientific program including plenary lectures, oral presentations, and poster sessions;
2. technical excursion; and
3. social events.

English and Spanish are the official languages of the Symposium. Topics of the Symposium are as follows:

1. Introductory session--Present status and problems of abalone fisheries around the world.
2. Session I : Biology
3. Session II : Fisheries
4. Session III : Culture of Abalone
5. Session IV : Stock Enhancement
6. Session V : Fishery Management

Location and Travel: SYMPOSIUM will be held at La Paz, Mexico.

Preliminary Registration: All future notices will be sent to those who show an interest in this SYMPOSIUM by returning this form to me. Please reply to this at:

The First International Symposium on Abalone Biology, Fisheries, and Culture.

C/-S A Shepherd
Department of Fisheries
135 Pirie Street
Adelaide
South Australia 5000

Photis sp. B of MBC

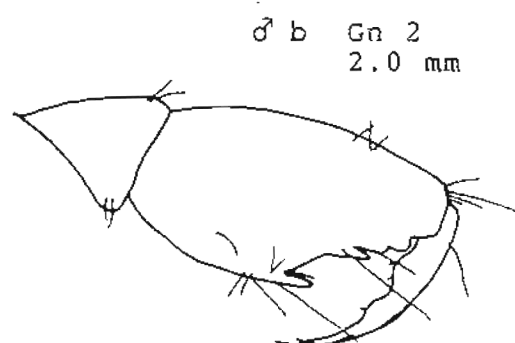
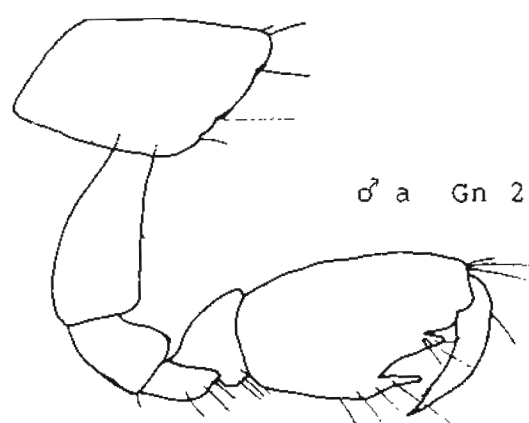
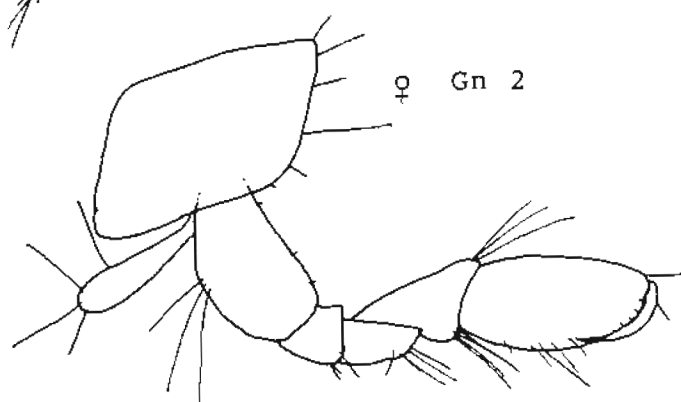
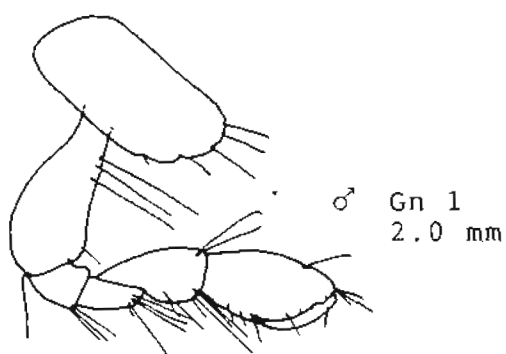
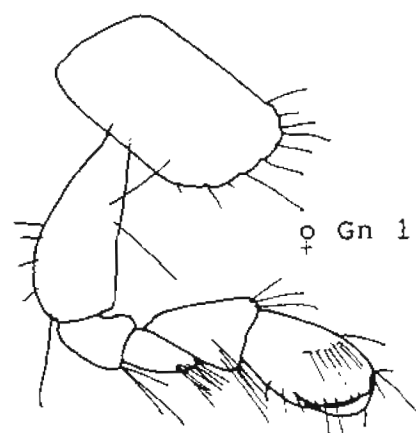
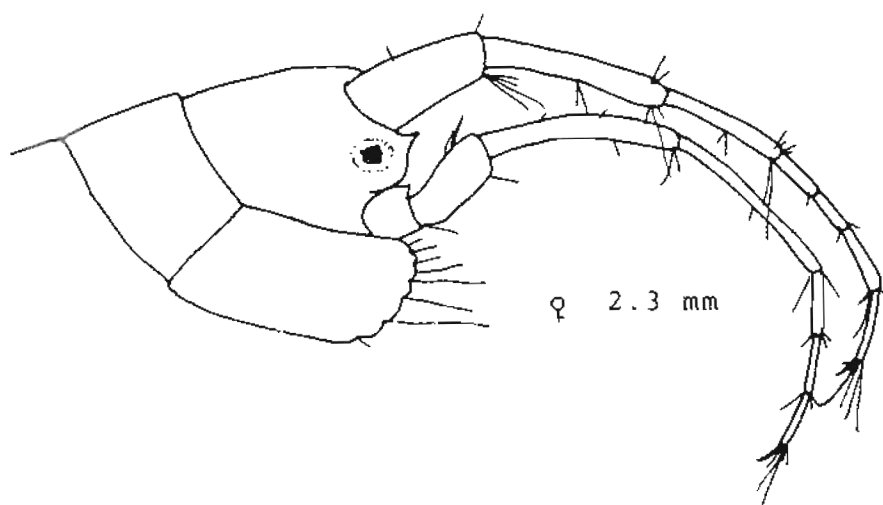
Another species of the amphipod genus Photis was taken in samples off Goleta, California in October 1988 by MBC Applied Environmental Sciences. Samples were from organically enriched sediments at 90 ft with many protruding polychaetes and both drift and attached algae. Photis brevipes, P. californica, P. bifurcata, P. lacia, and P. sp. A also occurred (listed in order of frequency). The species is small, maturing at 2-2.5 mm, as is P. bifurcata. Differentiating characters are listed below:

1. Eyelobe acute and concavely sided in both sexes.
2. Body usually with greyish-whitish pigmentation like that of Aora columbiae.
3. Antennae sparsely setose; setae short (long in brevipes) especially on ant. 2.
4. Ant. 2 peduncle segments 2 and 3 very long and subequal.
5. Coxa 1 with rounded anterio-ventral corner and scalloped ventral margin in both sexes.
6. Eye somewhat small and diffuse (much less densely pigmented than in brevipes).
7. Male Gn. 2 with elongate article 6, dactyl overlapping both palm and defining tooth, and a more shallow "v" near the base of the dactyl caused by a large palmar tooth.

Comment- This small species is probably more widely distributed. It is easily separated once detected. Please let either Carol Paquette or Don Cadien know about any additional records:

MBC Applied Environmental Sciences
947 Newhall Street
Costa Mesa, CA 92627
(714) 646-1601

Photis sp. B of MBC



♀, ♂ a from Goleta B7II, 84 ft, 3 Oct 88
♂ b from Goleta B7IV, 84 ft, 3 Oct 88