

VOUCHER SHEET

Species name: *Paratanais* sp IS1

Date Examined: 28 March 2008

Group: Tanaidacea, Family Paratanaidae

Voucher By: Donald B. Cadien

Voucher Specimen(s): ISS Outer Coast Yr. 2, Station 906 POILAJ, holdfast, replicate 1, 12m, Sample Number 4435. 2 vouchers to MLML, 2 vouchers to CDF& G

SYNONYMY: none; if found previously, was probably misidentified as *Leptochelia dubia*.

LITERATURE: Dojiri, Masahiro, and Jürgen Sieg. 1997. The Tanaidacea. Chapter 3 IN *Taxonomic Atlas of the Benthic Fauna of the Santa Maria Basin and Western Santa Barbara Channel. The Crustacea Part 2: The Isopoda, Cumacea and Tanaidacea*. eds James A. Blake, and Paul H. Scott, 181-268. 278pp. Santa Barbara, California, U.S.A.: Santa Barbara Museum of Natural History.

DIAGNOSTIC CHARACTERS:

1. Eyed in both sexes
2. Antenna with 4 segments in female, 6 segments in male
3. Uropodal endopod with two segments
4. Posterior margin of pleotelson projecting dorsally as a flat shelf, the shelf terminating as a subquadrate flat projection over the remainder of the pleotelson

RELATED SPECIES AND CHARACTER DIFFERENCES:

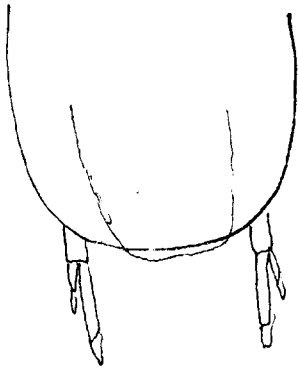
1. *Paratanais intermedius* is immediately separated by lack of the posterior shelf on the pleotelson. It is also somewhat broader bodied than *P. sp. IS1*.
2. Eyed species in the Tanaidae are all separated by lack of an ischium on the pereopods
3. Most readily confused with *Leptochelia dubia*, which it may be found with and generally resembles. Can be separated from this species by differences in number of antennal articles, number of uropodal articles, presence of pleotelson shelf, and generally wider body for the length.
4. Can be separated from *Pseudotanaeis makrothrix*, which, unlike *P. californiensis* is eyed, by presence of the pleotelsonic shelf, and lack of reduction of pereopods 1 and 2.

DEPTH RANGE: 12-13 m

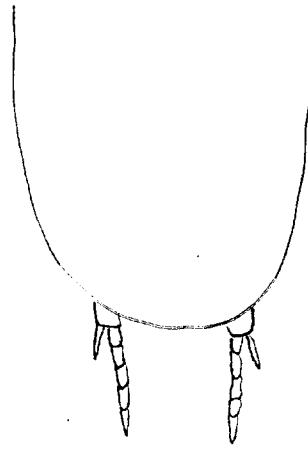
DISTRIBUTION: Point Loma, Point La Jolla, taken in subtidal rock scrapings and holdfasts

COMMENTS: Unless the difference in the number of articles in the uropods is noted, a quick look at this species would lead to misidentification as *Leptochelia dubia*. Upon closer examination the differences in antennal articles and uropodal articles remove it to the family Paratanaidae. The posterior shelf is unique among local tanaid species, no other quadrate extension being noted previously.

ILLUSTRATION:



Paratanais sp 151
Pleotelson + uropods



Leptochelia dubia
Pleotelson + uropods