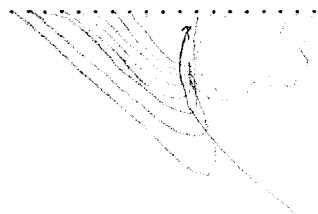



**KEY TO BENTHIC MYSID SPECIES REPORTED FROM CALIFORNIA
SCAMIT - JANUARY 1992**

1a.	Telson cleft or emarginate	2
b.	Telson uncleft; may be truncate, rounded, or acute	7
2a.	Telson emarginate	<i>Cubanomysis mysteriosa</i>
b.	Telson cleft	3
3a.	Antennal scale bearing a distolateral tooth	4
b.	Antennal scale lacking a distolateral tooth	6
4a.	Antennal scale serrate on lateral margin	<i>Inusitatomysis californica</i>
b.	Lateral margin of antennal scale lacking serrations	5
5a.	Rostrum bluntly produced, uropodal endopod with spines along 50% of the mesial margin, antennal peduncles bearing spines dorsally	<i>Archaeomysis grebnitzkii</i>
b.	Rostrum acutely produced, uropodal endopod spined along entire mesial margin, antennal peduncles lacking spines dorsally	<i>Bowmaniella banneri</i>
6a.	Telson spined along entire lateral margin; marginal spines present on uropodal endopod	<i>Heteromysis odontops</i>
b.	Telson lacking lateral spines on the basal 1/3; no marginal spines on the uropodal endopod	<i>Mysidella americana</i>
7a.	Outer margin of antennal scale lacking setae	8
b.	Outer margin of antennal scale setose	12
8a.	Telson lacking lateral spines	<i>Amathimysis trigibba</i>
b.	Telson bearing lateral spination	9
9a.	Eyes coalesced into a flattened ocular plate (<i>Pseudomma</i>)	10
b.	Eyes separately stalked and with distinct corneas	11
10a.	Ocular plate serrated both anteriorly and laterally	<i>Pseudomma berkeleyi</i>
b.	Ocular plate serrated only laterally	<i>Pseudomma californica</i>
11a.	Telson apical armature two large apicolateral spines separated by three small apicomедial spines	<i>Siriella pacifica</i>
b.	Telson apical armature two large apicolateral spines separated by one pair of small apicomедial spines and one pair of long plumose setae	<i>Holmesiella anomala</i>
12a.	Antennal scale more than 2X length of antennal peduncle (<i>Neomysis</i>)	13
b.	Antennal scale subequal to or shorter than antennal peduncle	15
13a.	Bases of lateral telsonic spines close-set, nearly contiguous	<i>Neomysis kadiakensis</i>
b.	Bases of lateral telsonic spines well separated	14
14a.	Lateral telsonic spine count ≈14 pairs	<i>Neomysis mercedis</i>
b.	Lateral telsonic spine count ≈19 pairs	<i>Neomysis rayi</i>
15a.	Telson with alternating long and short lateral spines	16
b.	Telson with lateral spines of uniform length or in graded series	23
16a.	Eye stalks elongate, more than 2X cornea width	<i>Alienacanthomysis macropsis</i>
b.	Eye stalks short, subequal to cornea width	17
17a.	Lateral spination of telson discontinuous, with a bare area between basal and distal spinose areas ...	18
b.	Telson continuously spined laterally from near base to apex	19
18a.	One pair of spines in basolateral telsonic spine group	<i>Proneomysis waillesi</i>
b.	Four to five pairs basolateral telsonic spines	<i>Acanthomysis californica</i>

- a. Lateral telsonic spines differing only slightly in size 20
- b. Lateral telsonic spines of two distinct size classes, large and small 21
- 20a. Telson tapering nearly evenly from base (slight lateral bulge at midlength); ratio of antennal scale basal article length/width \approx 10:1 "*Acanthomysis*" *columbiae*
- b. Telson abruptly narrowed near base, with spatulate terminal portion; ratio of antennal scale basal article length/width \approx 3:1 *Hippacanthomysis platypoda*
- 21a. Apicolateral telsonic spines noticeably smaller than largest lateral spines *Exacanthomysis davisi*
- b. Apicolateral telsonic spines subequal in size to largest lateral spines 22
- 22a. Apicolateral and apicomедial telsonic spines subequal in size *Holmesimysis costata*
- b. Apicolateral telsonic spines much larger (2X+) than apicomедial spines *Pacifacanthomysis nephrothalma*
- 23a. Apicomедial spines at least 50% longer than apicolateral spines 24
- b. Apicomедial spines equal to or smaller than apicolateral spines 26
- 24a. Antennal scale of one article *Mysidopsis cathengelae*
- b. Antennal scale of two articles 25
- 25a. Rostrum bluntly produced; uropodal endopod with 7-8 dorsal spines; uropods about twice telson length *Mysidopsis brattegardi*
- b. Rostrum subacute; uropodal endopod with 5 dorsal spines; uropods subequal in length to telson *Mysidopsis onofrensis*
- 26a. Telsonic apicolateral spines longer than apicomедial spines 27
- b. Telsonic apical spine pairs all subequal 28
- 27a. Telson laterally spined from base *Acanthomysis brunnea*
- b. Telson laterally spined only on distal half ?*Mysidopsis* sp. A of Phillips
- 28a. Telson spined only distally, basal 2/3 bare *Metamysidopsis elongata*
- b. Telson spined from near base 29
- 29a. Terminal article of antennal scale about 3x as long as broad *Mysidopsis californica*
- b. Terminal article of antennal scale about as long as broad 30
- 30a. Antennal scale broadened at mid-length, both margins convex, length/width ratio \approx 3/1 *Mysidopsis intii*
- b. Antennal scale linear, margins parallel throughout, length/width ratio \approx 10/1 "*Acanthomysis*" *columbiae*



Deltamysis holmguisti 
 Bowman & Ossi 1970

+ *Mysidopsis* sp 3 Cadix oo
 telson spined to base, but telson short &
 blunt like *Tomys* sp 0100-3C 1 sp