
PROVISIONAL KEY TO MYODOCOPA
OSTRACODA

Prepared for NAMIT Workshop on Ostracoda

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• = SCAMIR SP LIST, Ed. 3

○ = Not in key

SPECIES IN KEY

Subclass Ostracoda

Order Myodocopida

- ostracoda sp SD1
- ostracoda sp SD2
- ostracoda sp SD3

Family Cyprinidae

Giganotcypris agassizii Muller, 1895

Family Philomedidae

- *Euphilomedes carcharodonta* (V.C. Smith, 1952)
- *Euphilomedes longiseta* (Juday, 1907)
- *Euphilomedes producta* Poulsen, 1962
- *Euphilomedes morini* Kornicker and Harrison-Nelson 1997
- Harbansus mayeri* Kornicker, 1978
- *Harbansus bradmyersi* Kornicker, 1978
- Harbansus* sp B Kornicker, 1978
- *Philomedes dentata* Poulsen, 1962
- *Scleroconcha trituberculatum* (Lucas, 1931)
- *Philomedes* sp A SCAMIR 1988

Family Rutidermatidae

- *Rutiderma rostratum* Juday, 1907
- *Rutiderma rotundum* Poulsen, 1965
- *Rutiderma lomaxi* (Juday, 1907)
- Rutiderma chessi* Kornicker and Myers, 1981
- ✓ *Rutiderma judayi* McKenzie, 1965
- 1902 → ○ *Rutiderma apex* Kornicker and Harrison-Nelson, 1997

Family Cylindroleberididae

- *Asteropella slatteryi* Kornicker, 1981
- Bathyleberis* B. garthi, B. hancocki,
- Diasterope*
- *Postasterope barnesi* (Baker, 1978) ← P. hulingai
- *Leuroleberis sharpei* Kornicker, 1981
- *Xenoleberis californica*

Family Cyprinidae

- *Vargula tsujii* Kornicker and Baker, 1977

Family Sarsiellidae

Eusarsiella zostericola (Cushman, 1906)

- Eusarsiella* Thominx
- Eusarsiella* sp A SCAMIR 1988
- Sarsiella* sp C. MEC 1985

Podocopida

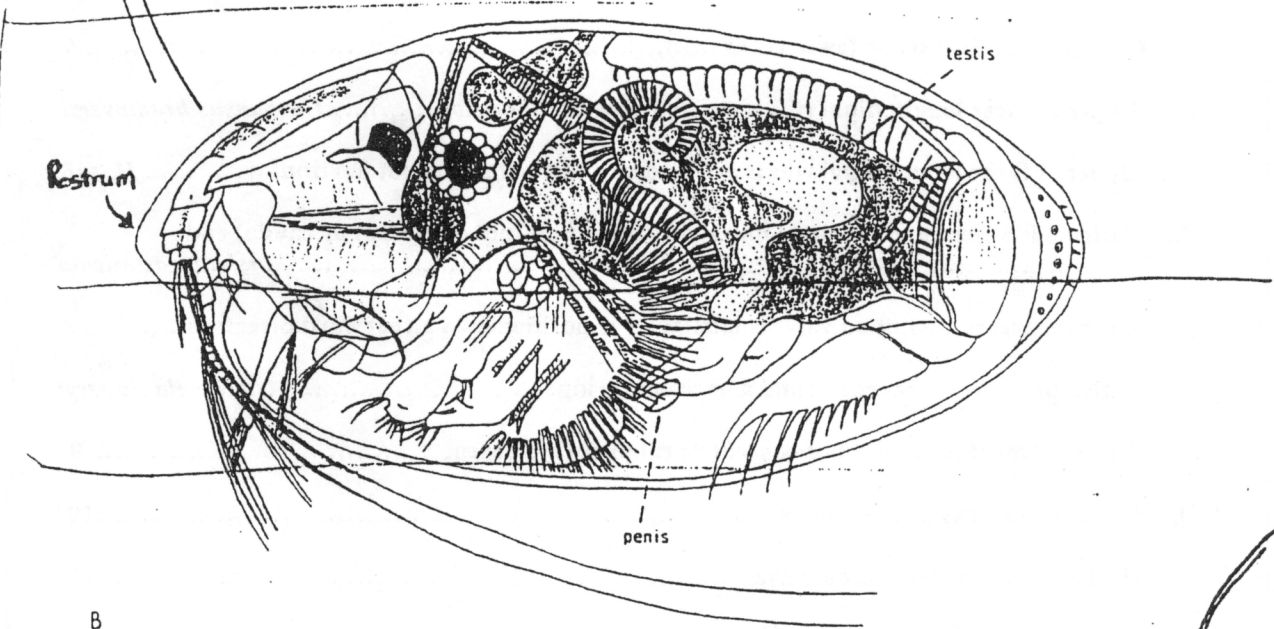
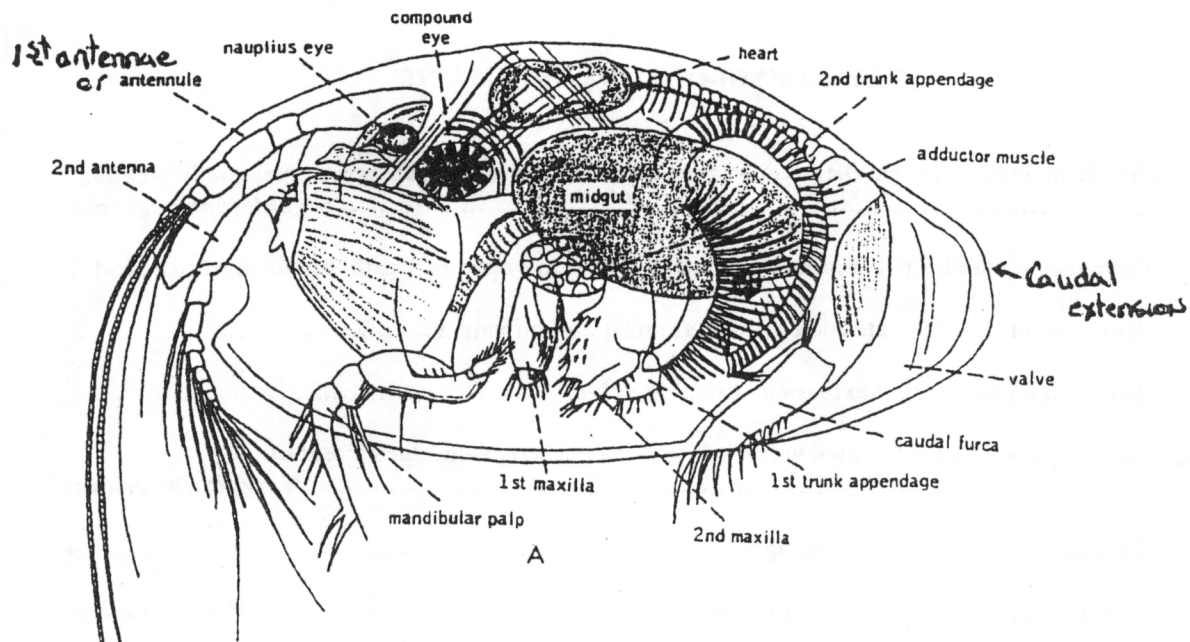
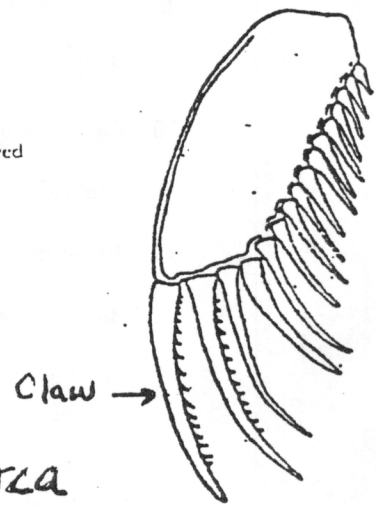


Figure 15-15. A. Female marine myodocopid ostracod, *Cypridina*, with left valve removed (lateral view). B. A male *Cypridina* (lateral view). (Both after Claus from Calman.)

Barnes, 1966 - Invertebrate Zoology

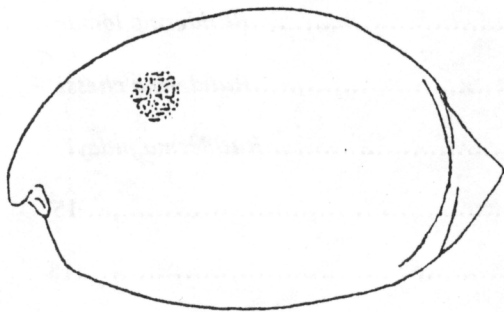


KEY TO MYODOCOPIDA IN THIS LIST

1. Organism is large (>1cm diameter), valves are transparent to translucent, pelagic fish eating ostracod *Gigantocypris agassizii*
 Organism is smaller (<2-3 mm in diameter), valves are opaque, benthonic form of ostracod 2
2. Rostrum and caudal extension present at mid-point on valves 3
 Rostrum and/or caudal extension absent on valves 7
3. Caudal Furca with 7-9 claws, valves white, no sculpture, with black eye spot *Vargula ?americana*
 Caudal fuca with 5-6 claws, sculpturing variable4
4. Longitudinal ridge absent from valves *Harbansus mayeri*
 Longitudinal ridges present on valves 5
5. Caudal furca with more than six claws *Scleroconcha trituberulata* (10⁺-17)
 Caudal furca with six or fewer claws 6
6. Upper of three longitudinal ribs is horizontal with other ribs*Harbansus bradmyersi*
 Upper of three longitudinal ribs is oriented at a distinct angle, not horizontal *H. spB*
7. Rostrum is absent and the point on valve is off-center, not on rostral or caudal end*Sarsiella zostericola*
 Rostrum present, point on valve is missing or is positioned in a rearward direction..... 8
8. With a peripheral concentric and a horizontal ridge *Asteropella slatteryi*
 Ridges present or absent but concentric ridge always absent 9
9. Horizontal ridges present on valves10
 Horizontal ridges absent on valves 14
10. Two horizontal ridges without lateral connecting ridges on valves *Rutiderma rostratum*
 Horizontal ridges with connecting ridges present on valves11
11. Body shape rounded, rostrum weak, no caudal point*Rutiderma rotundum*
 Body shape angular with rostrum and caudal point 12

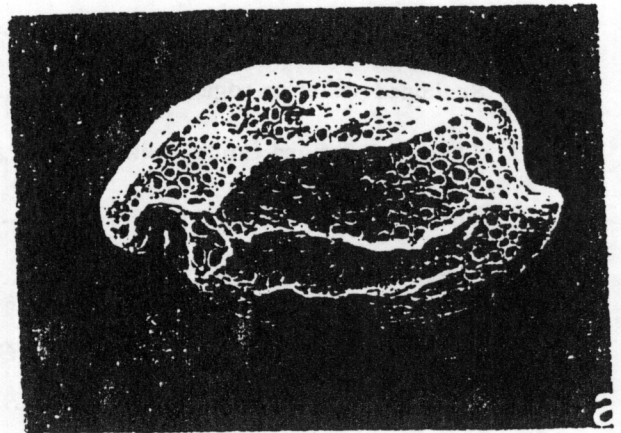
KEY TO MYODOCOPA (CONT)

12. Scalloped posterior edges present 13
 Scalloped posterior edge absent *Rutiderma lomae*
13. Three well defined caudal points *Rutiderma chessi*
 More than three caudal points *Rutiderma judayi*
14. Surface of valves coarsely pitted 15
 Surface of valves not coarsely pitted 18
15. Protuberances present on valves *Euphilomedes producta*
 Protuberances absent on valve 16
16. Furca without secondary claws *Philomedes dentata*
 Furca with secondary claws 17
17. Furcal claw number 4 secondary and placed between primary claws *E. carcharodonta*
 Furcal claws number 3 and 5 secondary and placed between primary *E. longiseta*
18. Three major furcal claws *Leuroleberis sharpei*
 7-10 furca claws 19
19. 8th joint of first antennae with d-bristle at least 1/5th as long as e-bristle *Bathyleberis*
 8th joint of first antennae with d-bristle lacking or less than 1/5th as long as e-bristle 20
20. d-bristle missing on 8th joint of first antennae *Parasterope* ← POSTASTEROPS
 d-bristle on 8th joint of first antennae less than 1/5th as long as e-bristle *Diasterope*

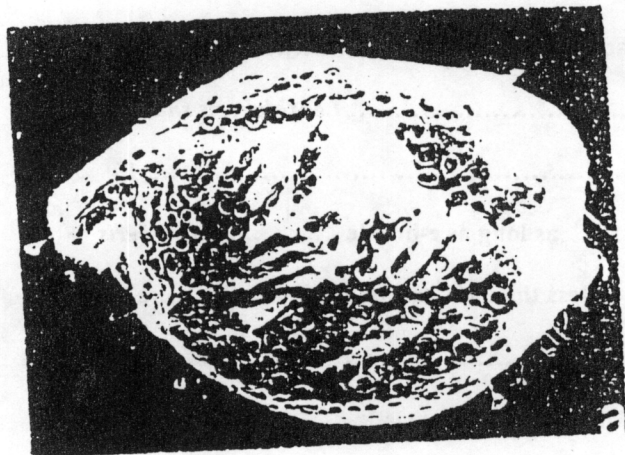


Varguia americana

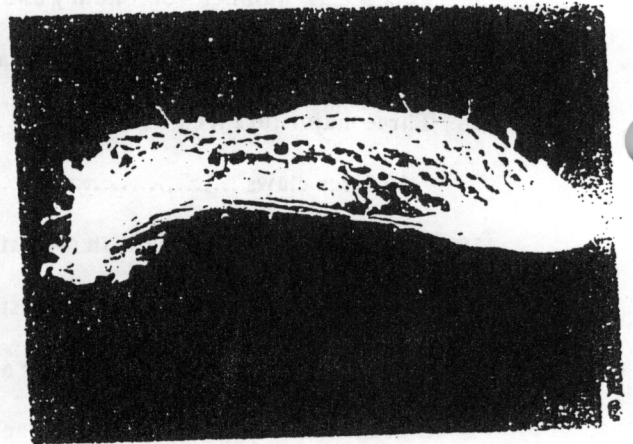
MYERS 1975



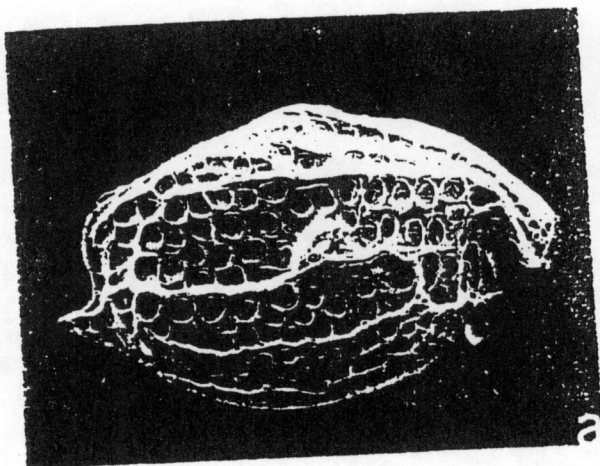
Harbansus sp. B Kornicker 1978



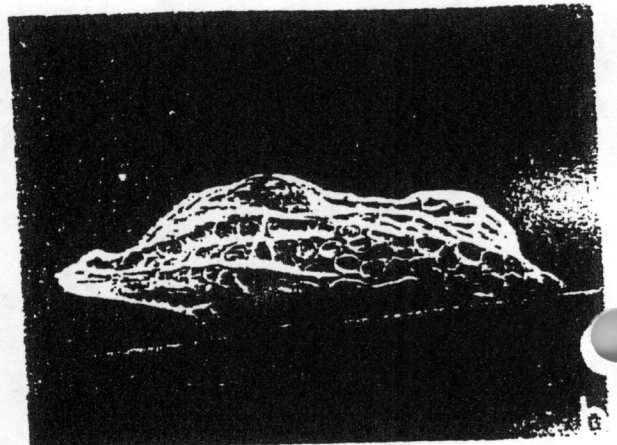
Harbansus mayeri
Kornicker 1978



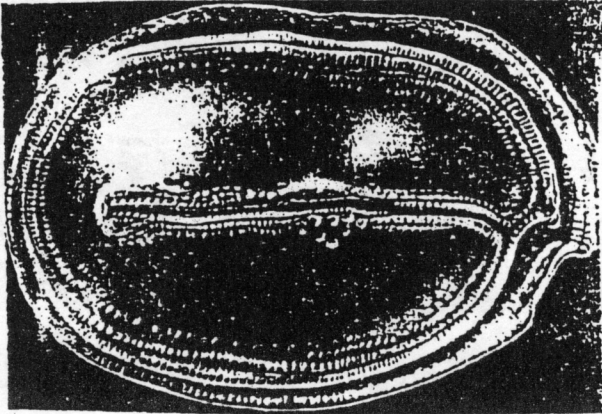
Harbansus mayeri
Kornicker 1978



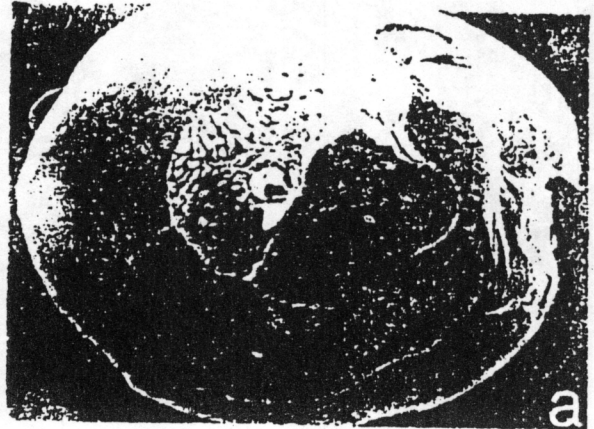
Harbansus bradmyersi
Kornicker 1978



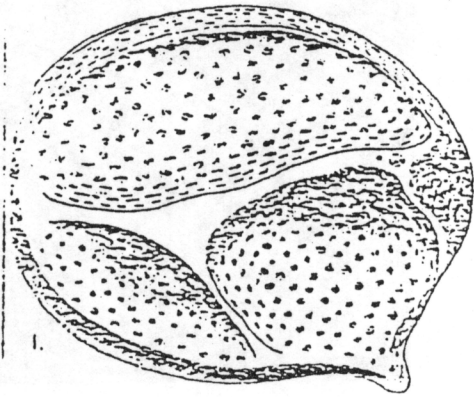
Harbansus bradmyersi
Kornicker 1978



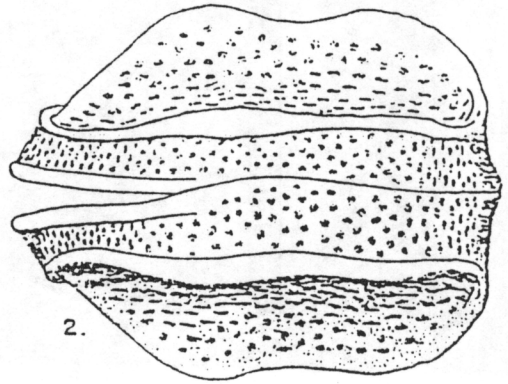
Asteropella slatteryi
Könicker 1981



Neuroleberis sharpei
Könicker 1981

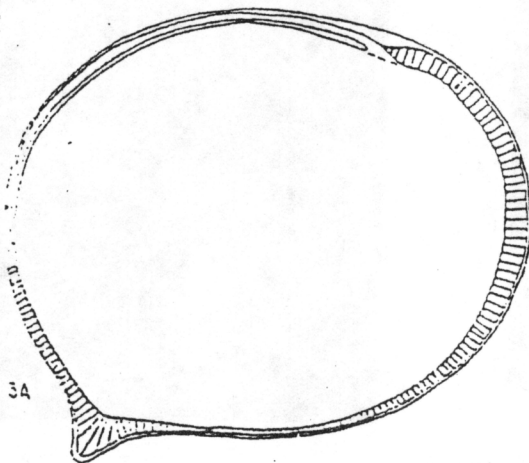


Sarsicella tricostata
Jones 1958

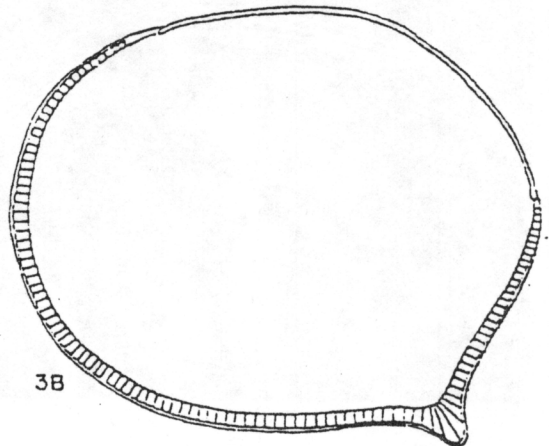


Sarsicella tricostata

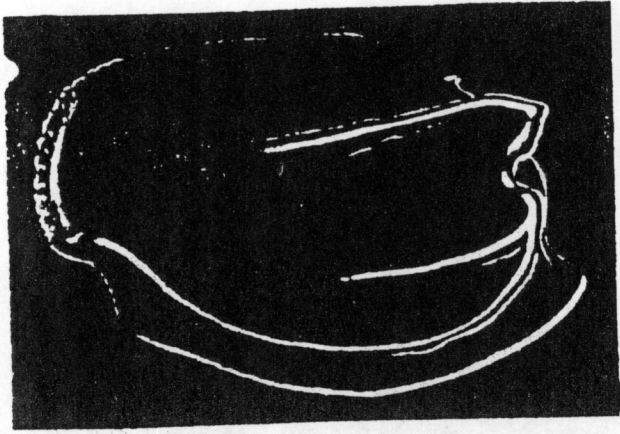
Sarsicella zostericola is correct name



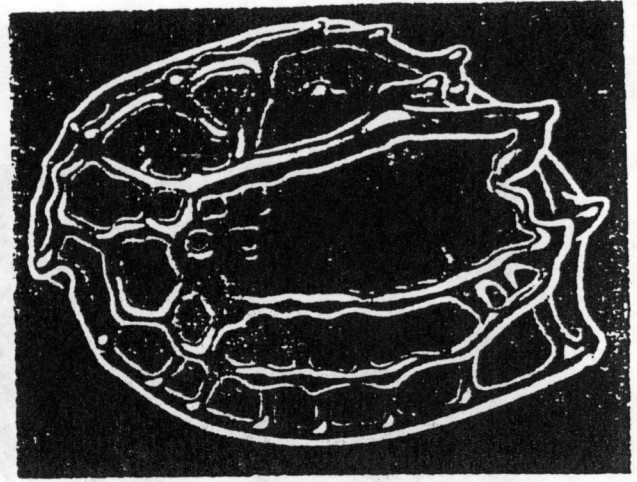
Sarsicella tricostata



Sarsicella tricostata

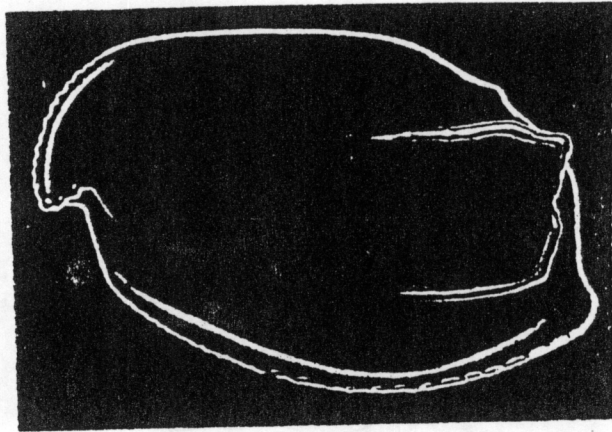


Rutiderma judayi (male)

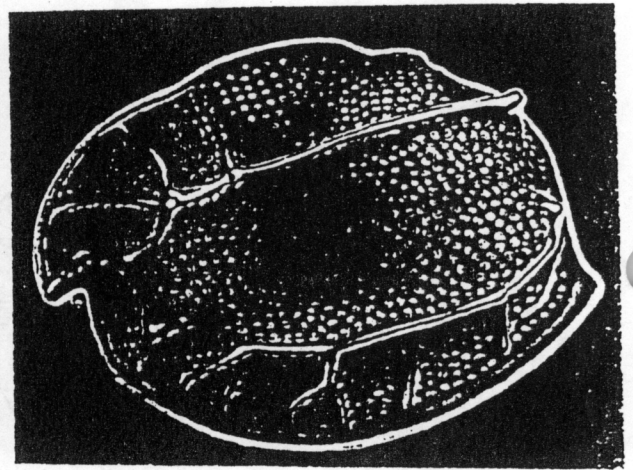


Rutiderma judayi (female)

Kornicker and Myers
1981

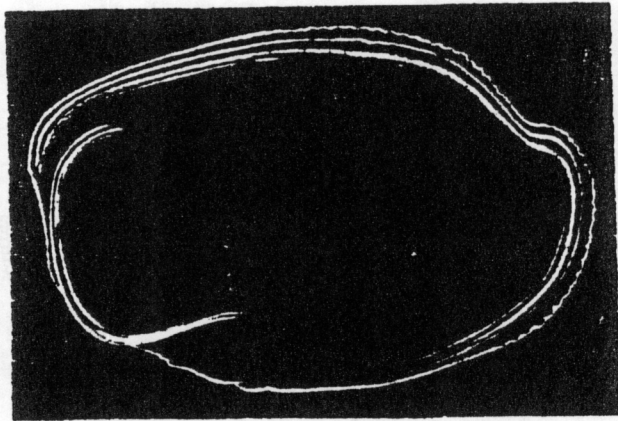


Rutiderma lenae (male)

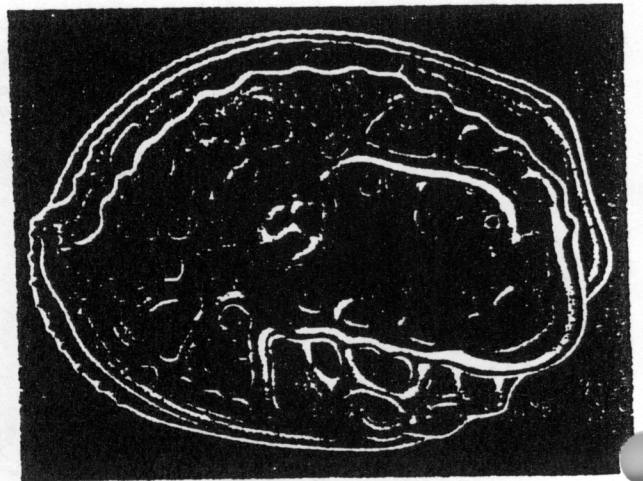


Rutiderma lenae (female)

Kornicker and Myers
1981

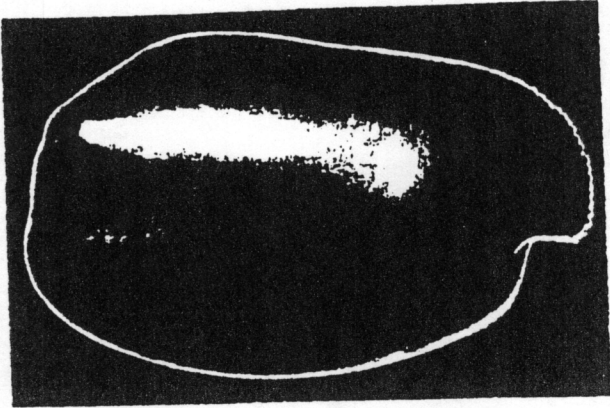


Rutiderma rotundum (male)

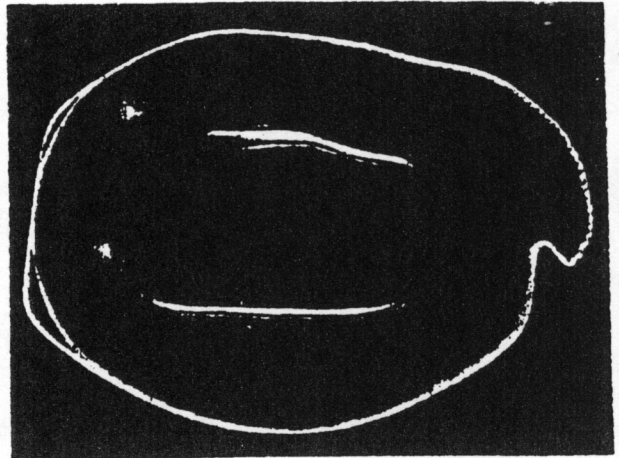


Rutiderma rotundum (female)

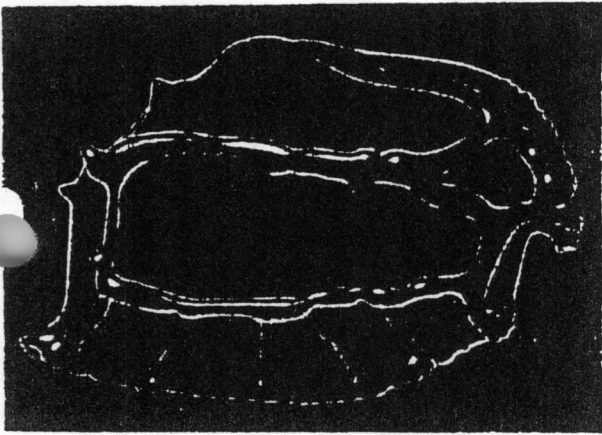
Kornicker and Myers
1981



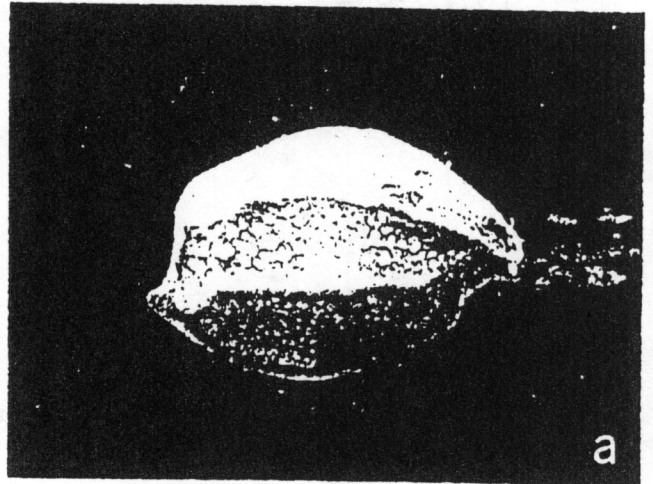
Rutiderma rostratum (male)



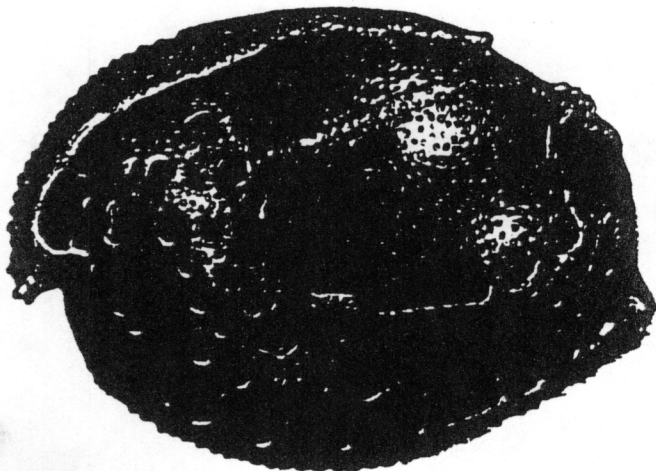
Rutiderma rostratum (female)



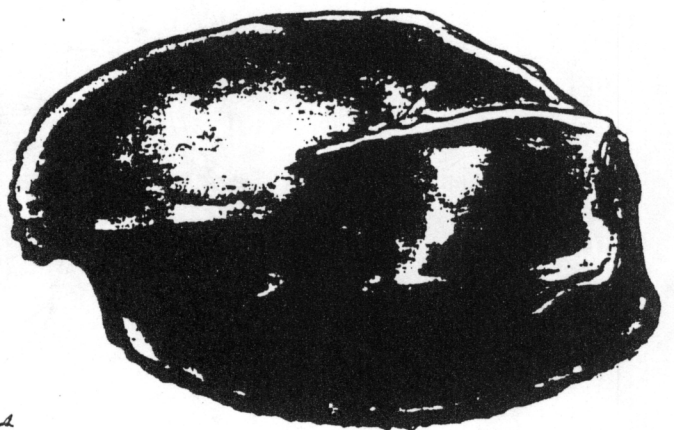
Rutiderma chessi (female)



Scleroconcha (female)



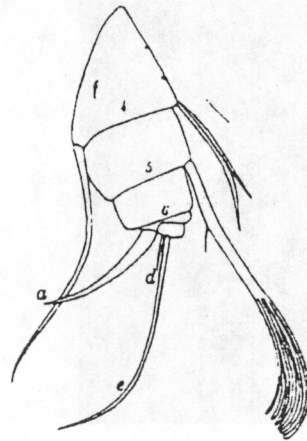
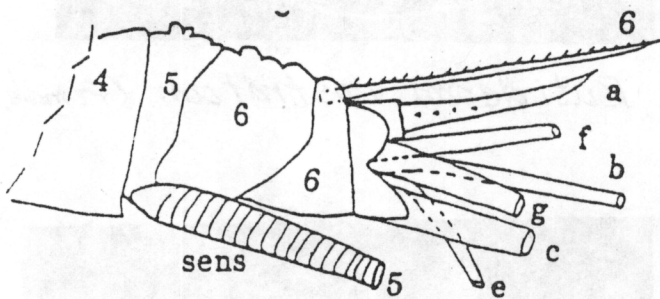
Rutiderma apex (female)



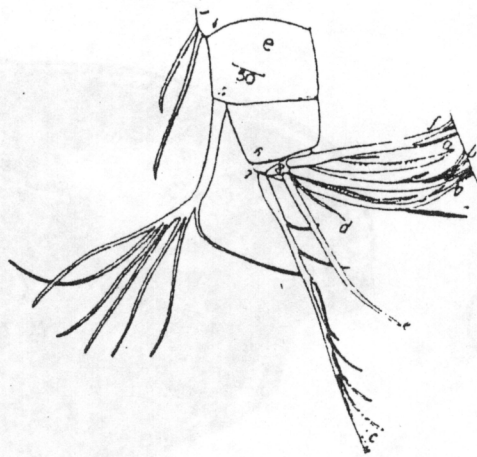
Rutiderma apex (male)

Examples of Bristle Lengths on 1st antennae of Cylindroleberididae Genera

Postasterope barnesi (female)



Diasterope grisea
(female)



Bathyleberis grossmani
(female)