

Chaetozone from shallow waters of the NE Atlantic and Mediterranean

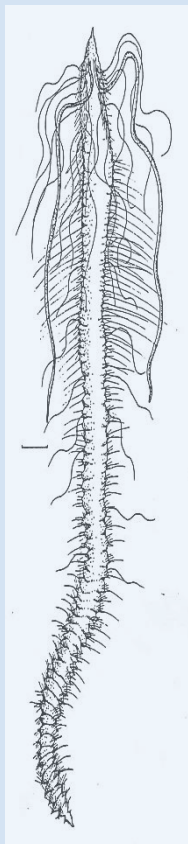
Susan Chambers

National Museums Scotland Edinburgh EH1 1JF

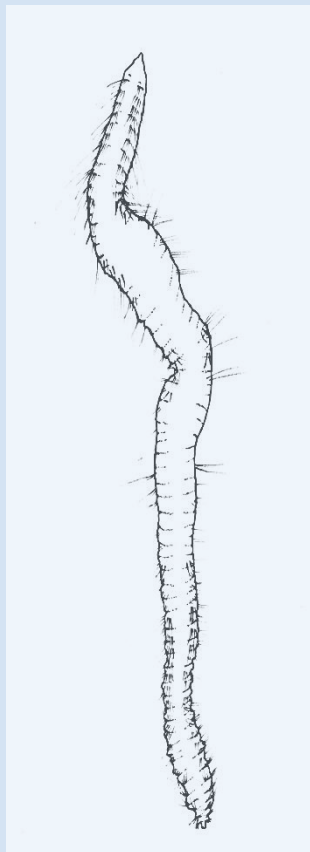
s.chambers@nms.ac.uk

Background

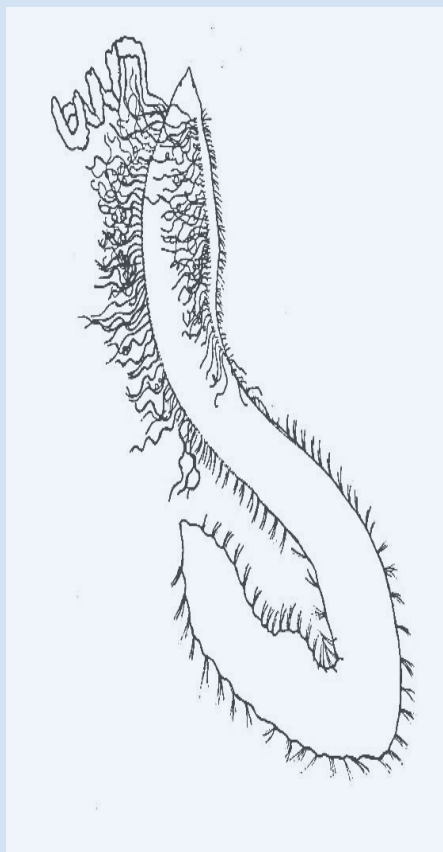
During the last 20 years it has become apparent *Chaetozone* diversity is greater than first assumed (Chambers, 2007; Blake 2015). There are 4 *Chaetozone* species known from shallow waters of the NE Atlantic and Mediterranean.



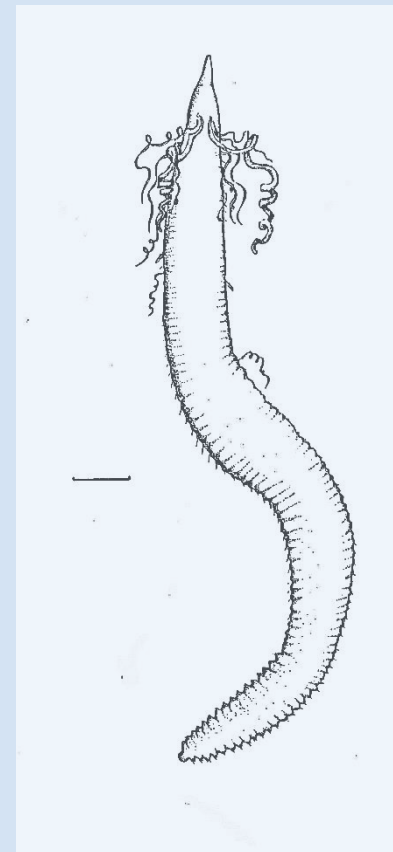
C. setosa
Malmgren, 1867
from Svalbard



C. carpenteri
McIntosh, 1911 from
off Algeria



C. gibber
Woodham and Chambers, 1994 from
S coast of England



C. christiei
Chambers, 2000 from
NE coast of England

Other *Chaetozone* descriptions, records and generic placement

The taxonomic status of other Cirratulid taxa from this region cannot be confirmed due to lack of specimens. This includes *C. macrophthalma* Langerhans, 1880, off Madeira, *C. dunmani* McIntosh, 1911, Ireland and *Chaetozone* Z McIntosh, 1911, no locality.

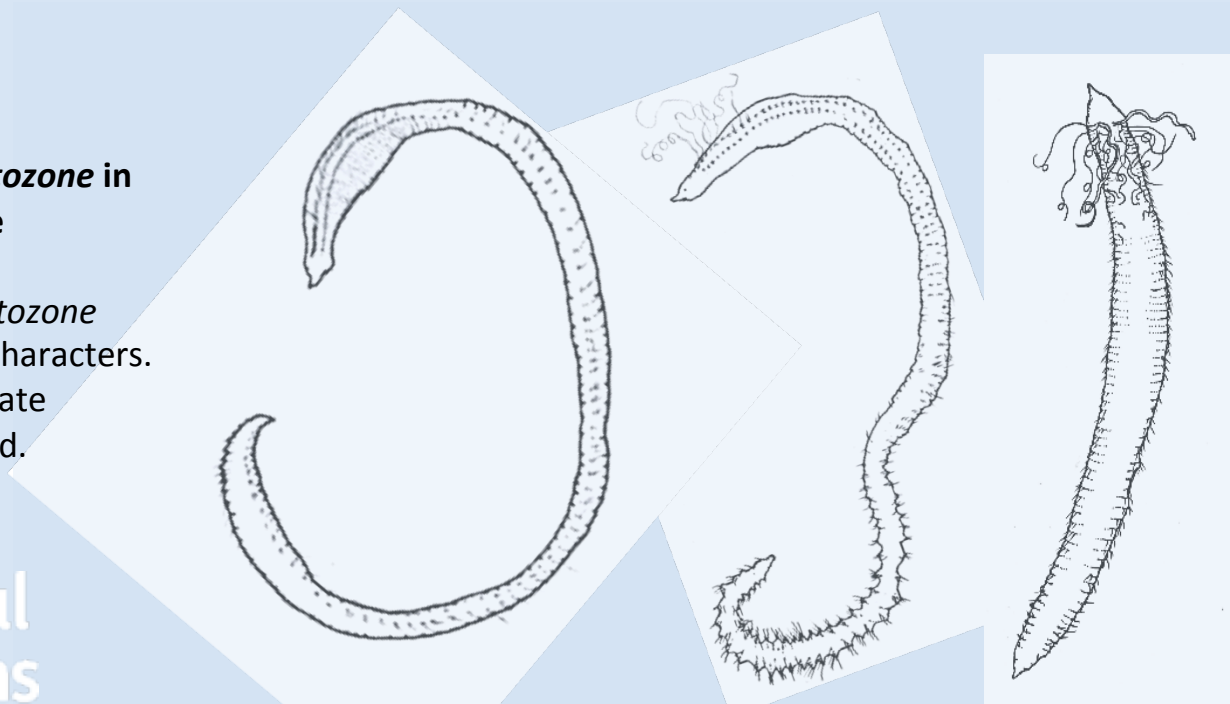
There are three other taxa recorded from the Mediterranean, *C. corona* Berkeley and Berkeley, 1941 (Çinar and Ergun, 2007), *Chaetozone* sp (Gambi and Giangrande, 1986) and *Chaetozone cf setosa* (Ayari 2009) from Tunisia. These samples need to be re-examined.

Several taxa are currently included in *Chaetozone* but with doubtful generic placement. This includes *Heterocirrus caputesocis* Saint-Joseph, 1894, *Chaetozone zetlandica* McIntosh, 1911, *Cirrineris incertus* Fauvel, 1936, *Tharyx vivipara* Christie, 1984 and *Tharyx retieri* Lechapt, 1994.

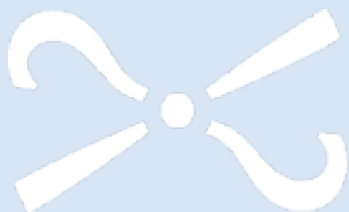
Results

I have separated 2 new species of *Chaetozone* in British shallow waters and one from the Mediterranean.

Future work will involve describing *Chaetozone* spp, developing a key to morphological characters. Once species have been separated accurate molecular techniques can then be applied.



New species of *Chaetozone* to be described one from Mediterranean, and two from around the British Isles.



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