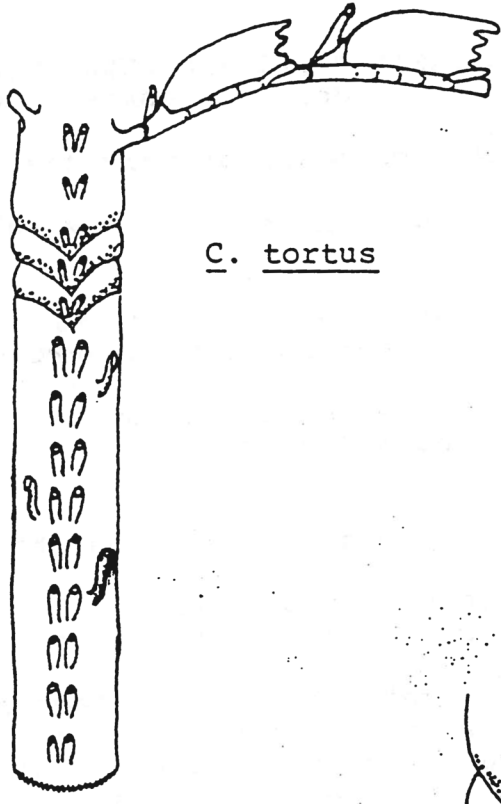


May 14, 1990

A KEY TO THE EASTERN PACIFIC GENUS Cladocarpus Allman, 1874
by John Ljubenkov, MEC Analytical

1. Stem simple, composed of only one tube.....2
1. Stem fascicled, composed of many tubes.....C. distomus
2. Front of stem with median row of single nematophores;
with weak chevrons or no chevrons.....3
2. Front of stem with paired row of nematophores;
no hydrothecae on stem face.....4
3. No chevrons: no hydrothecae on stem face.....C. moderatus
3. Weak chevrons; hydrothecae on stem face below
first branch pedicel and above chevrons.....C. gracilis
3. One large nematophore on the face of each
of the two chevron points; remainder of
nematophores much smaller, running up face
of stem with their openings mainly
alternating right to left.....C. sp.A
4. Paired nematophores always narrowly spaced
in row; very steep angle on chevrons.....C. tortus
4. Abrupt transition from widely spaced,
paired nematophore row on the lower stem
to narrowly spaced, paired nematophore
row just below the first chevron.....C. vancouverensis
4. A few transitionally spaced nematophore
pairs between the wide and narrow pairs.....C. pinguis



C. tortus

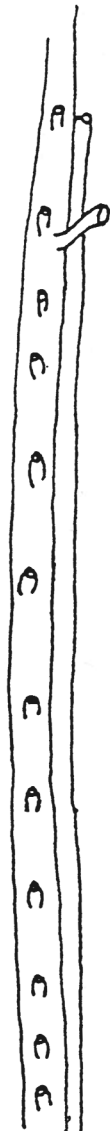


C. pinguis



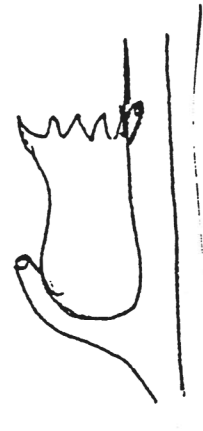
C. vancouverensis

- see wander

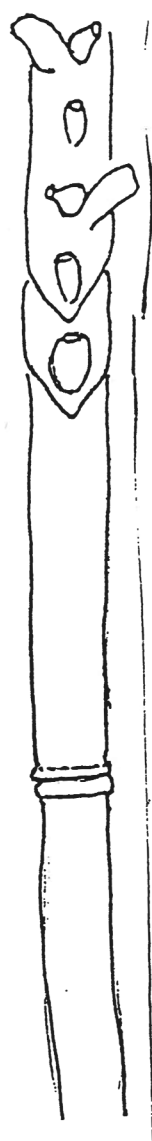


C. moderatus

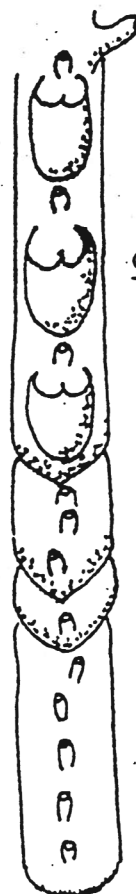
Hydrotheca



C. sp A



lower stem



C. gracilis

