First record of Antithamnion ogdeniae Abbott (Ceramiaceae, Rhodophyta) from Italy

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The genus <u>Antithamnion</u> Naegeli (1847), redefined by Wollaston (1968) on the basis of the features of the type species <u>A. cruciatum</u> Naegeli, is essentially characterized by: axes completely lacking rhizoidal cortication; opposite, distichous decussate whorl-branchlets, wit l cell nearly quadrate in form 07 with a all basal cell ne nearly quadrate pinnae oppositely, not

bearing pinnae; pinnae oppoitely, alternately or unlaterally ramified; gland cells on special ized branches of two-four cells. In the Mediterranean Sea the genus <u>Antithamnion</u> is represented by five species (Cormaci and Fur-nari 1989): <u>A. heterocladum Funk, A. piliferum</u> Cormaci et Furnari, <u>A. tenuissimum</u> (Hauck) Schiff fner, <u>A. cruciatum</u> and <u>A. ogdeniae</u> Abbett. The distributed also in the Atlantic. In May and in November 1989, respectively at Par-za (Pontine T-

distributed also in the Atlantic. In May and in November 1869, respectively at Pon za (Pontine Islands) and Vulcano (Acolian Is-lands), at 20 m depth were collected some tetra-sporangial plants of <u>A</u>. <u>ogdeniae</u>. This is the first record of this species from Italy. The thalli show the typical features of the spe-cies as described by Abbott (1979), i.e.; plants erect, 4-12 mm tal; whorl- branchlets opposite, decumante. Alternativ ramified: Joind cells fre

decu ate, alternately ramified; gland cells fre



Fig.1. A. ogde eniae: middle p the thallus showing the typi= cal features of the species.

decussate, alternately ramified; gland cells frequent throughout plant, formed on 2-3 celled branchlets growing on the abaxial side above each major furcation, each gland cell resting on 2 cells (fig. 1). The first record of <u>A. ogdeniae</u> from the Mediterranean, is that by Athanasiadis (1985) from the Aegean Sea. Nevertheless, on the basis of the comparative study by Athanasiadis (og. cit.) between <u>A. ogdeniae</u> and <u>A. antillanum</u>, Cormaci and Furnari (1987) consider that the species reported as <u>A. antillanum</u> by Boudouresque et Verlaque (1976) from Corsica, should be referred to <u>A. ogdeniae</u>, Moreover, on the basis of the iconography by Boisset (1987: 340) and by Barceló (1987: 374), the records of <u>A. antillanum</u> from the Mediterranean Spanish coast are to be referred to <u>A. ogdeniae</u> to. In fact, they illustrate some of the main features that differentiate this species from <u>A. antillanum</u>, viz.: erect axes, with equal or sub-equal whorl-branchlets; the presence of opposite pairs of pinnae at the lower part of whorl-branchlets; gland cells on 2(3) celled branches. posite pairs of celled branches.

conclusion, the finding of <u>A. ogdeniae</u> in the middle and lower Thyrrenian suggests continuity in the distribution of this species in the Mediterranean Sea (fig. 2) com the western basin, from which it was recorded as <u>A. antillanum</u>, to the eastern In from the western basin.



Distributic: map of <u>A. ogdeniae</u> in the Mediterranean (from Spain and Corsica reported as <u>A. antillanum</u>). Fig.2. Distributic : #

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