BIOLOGICAL SURVEY OF THE EASTERN MEDITERRANEAN SEA : HYDROIDS (PRELIMINARY STUDY).

J. MARINOPOULOS
Station marine d'Endoume 13007 - Marseille, France.

Résumé : Une importante collection d'Hydroïdes a été récoltée lors de l'expédition du N/O "Calypso" (1977) ; des 50 prélèvements réalisés jusqu'à 50 mètres de profondeur, 45 espèces d'Hydroïdes ont été déterminées ; toutes ont une large répartition méditerranéenne à l'exception de 2 espèces, restreintes au seul bassin oriental.

The biological survey of the eastern Mediterranean Sea was started in automn 1977 during the "Calypso" cruise.

The survey involved qualitative and quantative samplings of the benthos on hard-substrates to identify the species occuring in this region and to provide informations concerning their ecological requirements.

The hydroid fauna of the eastern Mediterranean Sea is poorly documented in comparison with that of other regions. Few studies were published on eastern Mediterranean Sea hydroids, based on small collections from a restricted area and without any ecological information.

A rich and diversified hydroid fauna occurs in the eastern Mediterranean sea : using scuba-diving and underwater photography up to 50 meters deep ; 50 samples were performed, each provided with numerous ecological observations. Forty-five species of hydroids were identified ; fourteen occurred in anfractuosities at the upper level of the "étage infralittoral" or sampled in deeper bottoms. Only thirteen are in strictly photophilic position.

The hydroids have a wide distribution in the Mediterranean Sea excepted for two species, *Aglaophenia* cf. *elongata* and *Sertularia marginata* which are restricted to the eastern bassin.

	TURQUIE								GRECE	
Stations	1		2		3		4		5	
	P	S	P	S	P	S	P	S	P	S
Halocordyle disticha	.	.	.	.	.	.	+	.	.	.
Eudendrium ramosum	+	+	+	+	.	+	+	.	+	.
E. glomeratum	+	.	.	.	.	.	.	.	.	.
E. motzkossowskae	+	+	.	.	.	.	.	.	.	.
E. racemosum	+	+	+	.	.	.	.	.	.	.
E. capillare	+	.	.	.	.	.	.	.	+	.
Cordylophora neapolitana	.	.	.	.	.	.	.	.	+	.
Podocoryna fucicola	.	+	.	.	.	.	.	.	.	.
Garveia grisea	.	+	.	.	.	.	.	.	.	.
Laodicea undulata	.	.	.	+	.	+	.	.	.	.
Hebella scandens	.	+	.	.	.	.	.	.	.	.
H. parasitica	.	+	.	+	.	.	.	.	.	.
Scandia pocillum	.	.	.	.	.	+	.	.	.	.
Orthopyxis alta	+	.	.	.	.	.	.	.	.	.
O. crenata	.	.	+	.	.	.	.	.	.	.
O. caliculata	+	.	+	.	.	.	.	.	.	.
Clytia uniflora	+	+	+	+	.	+	+	.	.	+
C. gravieri	+	+	.	+	.	.	.	.	+	+
C. paulensis	.	.	.	+	.	.	.	.	.	.
Obelia geniculata	.	.	.	.	.	+	.	.	.	.
Laomedea calceolifera	+	.	.	.	.	.	.	.	.	+
Halecium mediterraneum	.	.	.	+	.	.	.	.	.	.
H. banyulense	.	.	.	.	.	.	.	.	.	.
H. pusillum	.	.	.	.	.	.	.	.	.	.
H. nanum	+	.	.	.	.	.	.	.	.	.
H. lankesteri	+	.	+	.	.	.	.	.	.	.
Kirchenpaueria pinnata	+	.	.	.	.	.	.	.	.	.
K. echinulata	+	.	.	.	.	.	.	.	.	.
K. echinulata f. similis	+	+	.	.	.	.	.	.	.	.
K. echinulata f. minuta	.	.	.	.	.	.	.	.	.	.
Plumularia setacea	.	+	.	+	.	.	.	.	.	.
Monotheca obliqua	.	.	+	+	.	.	.	.	.	.
M. posidoniae	.	.	.	.	.	.	.	.	.	.
Polyplumaria diaphana	+	.	.	+	.	.	.	.	.	.
P. secundaria	.	+	.	.	.	.	.	.	.	+
P. catharina	+	.	.	.	.	.	.	.	.	.
Aglaophenia octodonta	+	+	+	+	.	.	.	.	.	.
A. cf. elongata	+	+	+	+	.	.	.	.	.	.
Sertularella ellisii	.	+	+	+	.	+	.	.	.	.
S. polyzonias	.	+	.	.	.	.	.	.	.	+
Dynamena disticha	+	+	+	+	.	.	+	.	+	.
D. desmoides	.	+	.	+	.	.	.	.	.	.
Sertularia perpusilla	.	.	.	.	.	+	.	.	.	.
S. marginata	.	.	+	.	.	.	.	.	.	.
Fillelum serratum	+	.	.	.	.	.	.	.	.	.

(P = photophilous ; S = sciaphilous).

(1 = Dorian Promontory ; 2 = Injah's Cap ; 3 = Ismir Bay ; 4 = Antalya ; 5 = Aspra Spitia).