

CONTRIBUTION TO THE STUDY OF FAUNE APPENDICULARIAN IN THE
ADRIATIC SEA

by

Boško Skaramuca

Biological Institute Dubrovnik, Yugoslavia

A b s t r a c t

The data on 5 new Adriatic appendicularian species as well as on their horizontal distribution are given.

R é s u m é

On présente les données sur 5 nouvelles espèces des appendiculaires pour la Mer Adriatique ainsi que sur leur distribution horizontale.

In the Adriatic sea 19 species of appendicularians were known. In Plankton hauls collected during 1973/74 open and coastal Adriatic sea investigations 5 following new Adriatic species were found.

Pelagopleura haranti VERNIERES, 1934 is known in the Mediteranean in the bay of Villefranche (VERNIERES, 1934) and in the waters of Algeria (BERNARD, 1958).

It is scarce in the Adriatic sea. We found it in the deep Southern Adriatic and in the strait of Otranto, during spring, summer and autumn cruises (Fig. 1).

Fritillaria gracilis LOHMANN, 1896 is noted near Messina (LOHMANN, 1899a), Algeria (BERNARD, 1958) and in the bay of Villefranche (FENAUX, 1973a).

In the Adriatic sea it is numerous and was noted during the autumn-winter period along the sea-coast of the strait of Otranto up to Bari and in the spring time at one station near Dubrovnik (Fig. 1).

Fritillaria megachile FOL, 1872 is known in the waters near Messina (FOL, 1872) in the bay of Villefranche and in the Eastern Mediteranean (FENAUX, 1963b et 1970).

In the Adriatic sea this species is numerous and it was noted in the strait of Otranto, in the Southern Adriatic and along the eastern coast up to the Jabuka pit (Fig. 1).

Fritillaria messanensis LOHMANN, 1899 is mentioned in the waters near Messina (LOHMANN, 1899a), in the bay of Villefranche and in the Eastern Mediteranean (FENAUX, 1962a et 1970).

This species was noted in the Adriatic sea during the winter at only one station near the strait of Otranto (Fig. 1).

Fritillaria venusta LOHMANN, 1896 is known near Messina (LOHMANN, 1899a), Algeria (BERNARD, 1958) and in the bay of Villefranche (FENAUX, 1963a).

In the Adriatic sea this species is numerous and it was noted during the summer and autumn time in the waters of the strait of Otranto, in the deep South Adriatic and along the eastern coast up to Dubrovnik (Fig. 1).

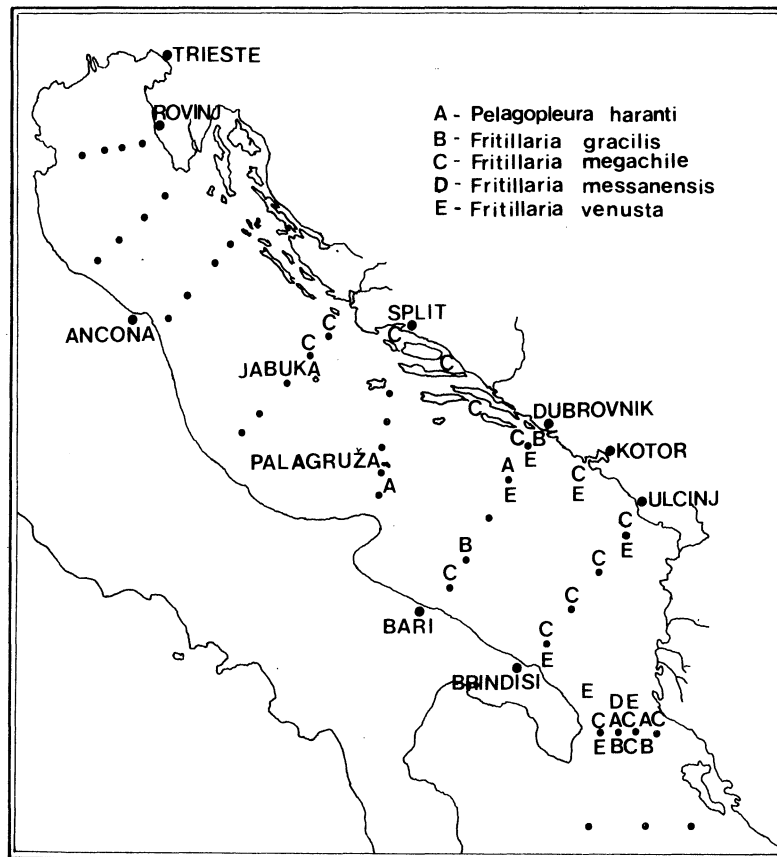


Fig.1.- New records of appendicularians in the Adriatic sea

R e f e r e n c e s

- BERNARD, M. 1958.-Systématique et distribution saisonnières des Tuniciers pélagiques d'Alger. Rapp. Comm. int. Mer Médit., 14, 211-231.
- FENAU, R. 1963b.-Écologie et biologie Appendiculaires méditerranéens (Villefranche-sur-Mer). Vie et Milieu, suppl. n° 16, VIII, 142.
- _____. 1970.- Sur le Appendiculaires de la Méditerranée Orientale. Bull. du Mus. Nat. d'hist. nat. 2° Serie, Tome 42, N°6, pp. 1208-1211.
- LOHMANN, H. 1899a.- Untersuchungen über den Auftrieb der Strasse von Messina mit besonderer Berücksichtigung der Appendicularien und Challengerien. S. B. preuss. Akad. Wiss., 1899, 20, 384-400.
- VERNIERES, P. 1934.- Les Appendiculaires de la mer de Villefranche: Pelagopleura haranti n.sp. Bull. zool. Fr., 59, 160-163.