

A n a S o k a Ć*

ON NEW INVESTIGATIONS OF THE OSTRACOD FAUNA IN
THE ADRIATIC SEA

Recently two important works about distribution of ostracoda from the bottom cores in the Adriatic Sea have been published. The ostracod fauna of the northern part from the line Gargano-Zadar has been studied by Bonaduce, Ciampo & Masoli (1975). Bremen (1975) described ostracods from the entire area of Adriatic Sea, except the Yugoslav and Albanian territorial waters. Some new species from the bottom cores in Adriatic Sea have been described by Bremen (1976), as well.

My own investigations started with the study of the materials from the bottom cores in the Montenegro coast. The foraminiferal and ostracod fauna were described in the paper from 1975, where an exhaustive bibliography can be found. This material has been delivered to me by the Biological institute in Kotor.

Thanks to the Hydrographic Institute of Navy, I have materials from the several cross-sections through the Adriatic Sea, i. e. Rovinj-Po river, Pula-Rimini, Premuda-Ancona, Žirje-Ortona, Split-Gargano, Dubrovnik-Bari, and Sutomore-Otranto strait.

Finally, I have the samples from the northern part of the Adriatic Sea in Kvarner region, which were collected during 1973-74, concerning the 60th anniversary of the first Croatian scientific expedition, known as "Vila Velebita" expedition. I have received this material from the Center for Marine Research Institute "Ruder Bošković" - Rovinj.

* Faculty of Mining, Geology and Petroleum Engineering University of Zagreb, Pierottijeva 6, 41 000 Zagreb.

I am now devoting particular interest to the study of the mutual connection between sediments and ostracod fauna. In connection with this granulometric and thermal analyses for some samples from the Montenegro coast have been carried out. The relationship between ostracod assemblage and the substrate has demonstrated that ostracod fauna appreciably depends not only on the granulometric contents, but also on the mineral contents, as well as on other abiotic factors, particularly depth and temperature.

REFERENCES

- Bonaduce, G., Ciampio, G. & Masoli, M. (1975): Distribution of Ostracoda in the Adriatic Sea. *Pubbl. Staz. Zool. Napoli*, 40, Napoli.
- Bremen, E. (1975): The distribution of Ostracodes in the bottom sediments of the Adriatic Sea. *Diss. Vrije Univ. Amsterdam*, Amsterdam.
- Bremen, E. (1976): Five Ostracode species from Adriatic deep-sea sediments. *Koninkl. Nederl. Akad. v. Weternsch.*, ser. B, 79/1, Amsterdam.
- Sokač, A. (1975): Miktofauna sedimanata morskog dna iz Crnogorskog primorja. *Studia Marina*, 8, Kotor.