

Preliminary Report on hydrological investigations  
in the North Adriatic Insular Region  
(Expedition « *Vila Velebita* » 1973-74)

by

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**Abstract**

The second *Vila Velebita* expedition following the course of the first one, performed 60 years ago, comprises 5 cruises (August 73 and 74, November 73, February 74 and May 74). 40 permanent hydrographical stations were visited during each cruise. On standard oceanographical levels the temperature, salinity, density, pH, total alkalinity and oxygen content were studied, while the determination of nutrients was carried out on four levels at 19 stations of the first range in relation to the structure of sea water column.

Sampling was performed by Van Dorn and Nansen bottles with attached Richter-Wiese reversing thermometers. Chemical analyses were carried out on board immediately after sampling. Meteorological observations and measuring of transparency by Secchi Ø 30 cm were made on each station, too.

Based on the obtained results, a general review of the present hydrographical situation, in this area is given. Present data are confronted with those obtained 60 years ago during the first croatian oceanographical expedition (" *Vila Velebita* " 1913-14). The environmental factors, which have a dominating influence on hydrological characteristics of the investigated area, are specially treated and discussed.

**References**

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