

REGIONAL CONFERENCE ON THE APPLICATION OF ISOTOPE ANALYSES
IN ARCHAEOLOGY, HYDROLOGY AND GEOLOGY

Zàgreb and Plitvice, October 11-12, 1979

P R O G R A M

THURSDAY, Oct 11, 1979

Welcome address

09.00 - 09.15 V.Kundić, director general of Rudjer Bošković
Institute

Invited lectures

09.15 - 10.00 H.Oeschger: New developments in the use of radio-
isotopes for dating and geophysical studies.

10.00 - 10.45 H.Moser, W.Stichler: Hydrological application of
analyses of stable isotope content.

10.45 - 11.15 Coffeebreak

11.15 - 12.00 I.U.Olsson: Progress in radiocarbon dating, promising
techniques and trends in the research.

12.00 - 12.45 T.Florkowski: Developments and trends in low-level
tritium measurements

12.45 - 14.00 Lunch

Radiocarbon dating

14.00 - 14.20 A.Sliječević: Radiocarbon dating: Historical
development of the method at Rudjer Bošković Institute.

14.20 - 14.40 B.Obelić: Computer analysis and interpretation of
radiocarbon data.

14.40 - 15.00 S.Božičević: Application of radiocarbon dating in
chronology of morphological changes in karstic caves

15.00 - 15.30 Coffeebreak

Application of low level techniques in hydrology, ecology and geology

- 15.30 - 15.50 T.Anovski, J.Naumovski, D.Kačurkov, P.Kirkov: A study of the origin of water of St.Naum's springs.
- 15.50 - 16.10 T.Anovski, R.Dražković, P.Kirkov, D.Kačurkov, J.Naumovski, V.Žuželov, B.Minčeva: A study of radioecology of the Vardar river system.
- 16.10 - 16.30 N.Miošić (read by N.Horvatinčić): Radiocarbon dating of thermal waters in Višegrad spa.
- 16.30 - 16.50 J.Pezdič, H.Leskovšek, A.Popović: Some possibilities of using the isotopic composition of stable isotopes in the characterization of thermomineral waters.
- 16.50 - 17.10 T.Dolenc, J.Pezdič: The isotopic composition of oxygen and carbon in carbonates from some ore deposits in Slovenia.
- 17.10 - 17.30 H.Leskovšek, J.Pezdič, S.Perko: The application of the sulfur isotope composition in the investigations of the origin of the sulfide ore deposits.
- 17.30 - 19.00 Visit to Rudjer Bošković Institute ¹⁴C and T laboratory

FRIDAY, Oct 12, 1979

Field excursion to Plitvice National Park

- 08.00 Bus leaves Hotel "Palace" for Plitvice National Park. Visit to lakes, waterfalls and tufa formations.
- 14.00 - 16.00 Lunch at Hotel "Jezero", Plitvice

Invited lecture

- 16.00 - 16.50 M.A.Geyh: Hydrogeological interpretation of the ¹⁴C content of groundwaters: A status report.

Application of ¹⁴C and tritium measurements in arid and karst regions

- 16.50 - 17.10 A.Brnek-Kostić: Theory of geological periodicity of Plitvice lakes.
- 17.10 - 17.30 N.Horvatinčić: Radiocarbon and tritium measurements in water samples and application of isotopic analyses in hydrology.
- 17.30 - 17.50 D.Srdoč: Radiocarbon dating of travertine sediments in Plitvice National Park
- 17.50 - 18.30 Discussion
- 18.30 Bus leaves Plitvice for Zagreb