

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

Zagreb and Plitvice, October 11-12, 1979

LIST OF PARTICIPANTS

INVITED LECTURERS:

1. Tadeusz Florkowski International Atomic Energy Agency,
Kärtner Ring 11, P.O.Box 590
A-1011 Wien
2. Mebus A.Geyh Niedersächsisches Landesamt für
Bodenforschung, Postfach 510153
D-3000 Hannover-Buchholz
3. Heribert Moser Gesellschaft für Strahlen und
Umweltforschung MbH,
Institut für Radiohydrometrie
Ingoldstädter Landstrasse 1
D-8042 Neuherberg
4. Hans Oeschger Physikalisches Institut der Universität
Bern
Sidlerstrasse 5
CH-3012 Bern
5. Ingrid U.Olsson Institute of Physics, University of
Uppsala Box 530
S-75121 Uppsala

PARTICIPANTS:

1. Todor Anovski Centar za primena na radioizotopi vo
stopanstvoto
Karpuš II, 91000 Skopje
2. Davorin Babić INA-NAFTAPLIN
Hegedušićeva 2, 41000 Zagreb
3. Srećko Božičević Institut za geološka istraživanja,
OOUR Inženjerska geologija
Sachsova 2, 41000 Zagreb

4. Aleksandar Brnek-Kostić: Nacionalni park Plitvička jezera,
48231 Plitvice
5. Metka Culiberg SAZU, Institut za pedologiju
Novi trg 3, 61000 Ljubljana
6. Alenka Čubranić INDUSTRIJAPROJEKT,
Savska 88 a, 41000 Zagreb
7. Lelja Dobronić Povijesni muzej Hrvatske
Matoševa 9, 41000 Zagreb
8. Tadej Dolenc Institut "Jožef Štefan"
Jamova 39, 61000 Ljubljana
9. Aleksandar Durman Filozofski fakultet,
Institut za arheologiju
Djуре Salaja 3, 41000 Zagreb
10. Elvira Hernaus Institut "Rudjer Bošković"
Bijenička 54, 41000 Zagreb
11. Nada Horvatinčić Institut "Rudjer Bošković"
Bijenička 54, 41000 Zagreb
12. Ljerka Hrnčić INA-NAFTAPLIN
Hegedušičeva 2, 41000 Zagreb
13. Boris Ilakovac Arheološki muzej Zadar
B.Petranovića bb, 57000 Zadar
14. Orhan Jamaković Muzej Bosanske Krajinе
78000 Banja Luka
15. Venčeslav Kaučić Institut "Jožef Štefan"
Jamova 39, 61000 Ljubljana
16. Zlatko Kinjerovac Geotehnika
Kupska 2, 41000 Zagreb
17. Ivan Kobal Institut "Jožef Štefan"
Jamova 39, 61000 Ljubljana
18. Esad Kulenović Geoinženjering, OOUR Institut za geologiju
Ilidža, Ustanička 3
71000 Sarajevo
19. Hermina Leskovšek Institut "Jožef Štefan"
Jamova 39, 61000 Ljubljana
20. Dimitrije Madas Zavod za zaštitu spomenika kulture
34000 Kragujevac
21. Milan Magić Geotehnika, Kupska 2, 41000 Zagreb
22. Branimir Mayer Šumarski institut Jastrebarsko
41420 Jastrebarsko

23. Neven Miošić
Geoinženjering, OOUR Institut za hidrogeologiju i hidrotehniku
Ustanička 3, 71210 Ilidža Sarajevo
24. Dušan Novak
Geološki zavod
Linhartova 9, 61000 Ljubljana
25. Bogomil Obelić
Institut "Rudjer Bošković"
Bijenička 54, 41000 Zagreb
26. Silva Perko
Institut "Jožef Štefan"
Jamova 39, 61000 Ljubljana
27. Jože Pezdič
Institut "Jožef Štefan"
Jamova 39, 61000 Ljubljana
28. Nadežda Pezdirc
Šumarski institut Jastrebarsko
41420 Jastrebarsko
29. Ante Polšak
Prirodoslovno-matematički fakultet
Geološko-Paleontološki zavod
Ulica socijalističke revolucije 8
41000 Zagreb
30. Adela Sliepčević
Zavod za fiziku Veterinarskog fakulteta
Heinzelova 55, 41000 Zagreb
31. Dušan Srdoč
Institut "Rudjer Bošković"
Bijenička 54, 41000 Zagreb
32. Jovan Stojković
SODASO, Rudnik soli i soni bunari
75000 Tuzla
33. Mira Stojković
SODASO, Rudnik soli i soni bunari
75000 Tuzla
34. Ivan Šarić
Regionalni zavod za zaštitu spomenika kulture,
Mesnička 49, 41000 Zagreb
35. Alojz Šercelj
SAZU, Institut za pedologiju
Novi trg 3, 61000 Ljubljana
36. France Šušterčić
SAZU, Institut za raziskovanje krasa,
Titov trg 2, 66230 Postojna
37. Jovan Todorović
Muzej grada Beograda
Zmaj Jovina 1, 11000 Beograd
38. Petar Tomaš
Institut "Rudjer Bošković"
Bijenička 54, 41000 Zagreb

- | | |
|------------------------|-------------------------------------------------------------------------------------------------------------|
| 39. Rajka Tončić-Gregl | INA-NAFTAPLIN
Hegedušičeva 2, 41000 Zagreb |
| 40. Dušan Turajlić | INA-NAFTAPLIN
Hegedušičeva 2, 41000 Zagreb |
| 41. Alojz Umek | Pokrajinski muzej
Muzejski trg 1, 63000 Celje |
| 42. Milan Veselić | Geološki zavod
Linhartova 9, 61000 Ljubljana |
| 43. Jordan Vilimonović | GEOZAVOD, OOUR Institut za hidrogeološka
i hidrotehnička istraživanja
Karadjordjeva 48, 11000 Beograd |
| 44. Boris Vrbek | Šumarski institut Jastrebarsko
41420 Jastrebarsko |
| 45. Dušan Žižek | DO Zdravilišče "Radenska",
TOZD Mineralna voda
69252 Radenci |
| 46. Ljubo Žljebnik | Geološki zavod
Linhartova 9, 61000 Ljubljana |
| 47. Mladen Župančić | Institut "Boris Kidrič"
P.O.B. 522, 11001 Vinča - Beograd |

C O N T E N T S

Foreword		3
Program		5
V.KUNDIĆ:	Welcome address	7
H.MOSER and W.STICHLER:	Hydrological Application of Analyses of Stable Isotope Content	9
I.U. OLSSON:	Progress in Radiocarbon Dating, Promising Techniques and Trends in the Research	37
T.FLORKOWSKI:	Developments and Trends in Low-level Tritium Measurement	69
M.A. GEYH:	Hydrogeologic Interpretation of the ¹⁴ C Content of Groundwater - A Status Report-	87
A.SLIEPČEVIĆ:	Die Historische Entwicklung der Radiokohlenstoffaltersbestimmungen in der Welt und bei uns	107
B.OBELIĆ:	Computer Analyses and Interpretation of Radiocarbon Data	139
S.BOŽIČEVIĆ:	Application of Radiocarbon Dating in Chronology of Morphological Changes in Karstic Caves	163
T.ANOVSKI, J.NAUMOVSKI, D.KAČURKOV and P.KIRKOV:	A Study of the Origin of Water of St.Naum's Springs, Lake Ohrid	165
T.ANOVSKI, R.DRAŠKOVIĆ, P.KIRKOV, D.KAČURKOV, J.NAUMOVSKI, V.ZUŽELOV and B.MINČEVA:	A Study of Radioecology of the Vardar River System	167
N.MIOŠIĆ:	Radiocarbon Dating of Thermal Waters in Višegrad Spa	169

J. PEZDIČ, H. LESKOVŠEK and A. POPOVIĆ:	Some Possibilities of Using the Isotopic Composition of Stable Isotopes (O, C, H/D) in the Characterization of Thermomineral Waters	171
T. DOLENC and J. PEZDIČ:	The Isotopic Composition of Oxygen and Carbon in Carbonates from Some Ore Deposits in Slovenia	175
H. LESKOVŠEK, J. PEZDIČ and S. PERKO:	The Application of the Sulfur Isotope Composition in the Investigations of the Origin of the Sulfide Ore Deposits	177
A. BRNEK-KOSTIĆ:	Theorie über die geologische Periodizität der Plitvicer Seen	179
N. HORVATINČIĆ:	Radiocarbon and Tritium Measurements in Water Samples and Application of Isotopic Analyses in Hydrology	201
D. SRDOČ:	Radiocarbon Dating of Travertine Sediments in Plitvice National Park	219
H. OESCHGER, J. BEER, and H. H. LOOSLI:	New Developments in the Use of Radio- isotopes for Dating and Geophysical Studies	231
List of participants		251