

UDC 53 (05) = 20 + 861/6

YU ISSN 0015—3206  
FZKAAA 12 (S2) 1—256 (1980)

A JOURNAL OF EXPERIMENTAL AND  
THEORETICAL PHYSICS

Volume 12 Supplement 2  
1980

Proceedings of the Regional Conference on the Application  
of Isotope Analyses in Archaeology, Hydrology and Geology  
Zagreb and Plitvice, October 11 and 12, 1979



EUROPHYSICS JOURNAL

Published by the Commission for Physics of the Yugoslav Union of  
Mathematical and Physical Societies and the National Committee  
of IUPAP

FIZIKA

*a journal of experimental and theoretical physics*

<i>Editor</i>	<i>Publishing editor</i>	<i>Assistant editors</i>	
G. ALAGA Faculty of Science University of Zagreb	V. ŠIPS Faculty of Science University of Zagreb	R. ČAPLAR »Ruder Bošković« Institute, Zagreb	B. GUMHALTER Institute of Physics of the University, Zagreb

*Editorial board*

S. BARIŠIĆ Faculty of Science, University of Zagreb	M. KUREPA Faculty of Science, University of Beograd
R. BEJTULLAHU Faculty of Science, University of Priština	A. MOLJK Faculty of Science, University of Ljubljana
P. BUDINI International Centre for Theoretical Physics, Trieste	M. RISTOV Faculty of Science, University of Skopje
J. D. CRAGGS Department of Electrical Engineering and Electronics, Liverpool	Z. STIPČEVIĆ Faculty of Science, University of Sarajevo
D. KAPOR Faculty of Science, University of Novi Sad	I. ŠLAUS »Ruder Bošković« Institute, Zagreb

*Council of the journal*

R. BLINC Ljubljana	I. JANIĆ Novi Sad	J. KOKAJ Priština
K. LJOLJE Sarajevo	G. MAVRODIJEV Skopje	D. TADIĆ Zagreb

The Journal is published in quarterly issues by the Commission for Physics of the Yugoslav Union of Mathematical and Physical Societies and the National Committee of IUPAP.

The Journal is sponsored by the Federal Council for Coordination of Scientific Activities and Self-Managed Community of Interest for Science of S. R. Croatia.

Manuscripts for publication should be submitted to: the Editor, Fizika, 41000 Zagreb, Bije-  
nička c. 54, Yugoslavia.

Proofs and all correspondence concerning papers in the process of publication should be sent to the same address.

Subscription rate per volume (four issues) \$ 30. For Yugoslavia: individuals Dinars 120, members of the Yugoslav Union of Math. and Phys. Societies Dinars 80, institutions Dinars 500.

Subscription should be sent:

- in Dinars to the Bank account No. 30102—678—4202 (za Fiziku);
- payment in foreign currency by cheque direct to the Editorial office,  
or by means of an international postal money order addressed to:  
»MLADOST« Export-Import, 41000 Zagreb, Ilica 30, Yugoslavia,  
or »JUGOSLAVENSKA KNJIGA« Export-Import, 11001 Beograd, Trg Republike  
5. P. O. Box 36, Yugoslavia

The Editorial office can not send any invoices to the subscribers abroad.

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

Zagreb and Plitvice, October 11 and 12, 1979

Edited by:

Dušan Srdoč

Bogomil Obelić

Rudjer Bošković Institute, Zagreb, Yugoslavia

and

Adela Sliepčević

Faculty of Veterinary Sciences, University of Zagreb, Yugoslavia

**TISAK: SVEUČILIŠNA NAKLADA LIBER**

This Supplement of the review FIZIKA contains invited papers and contributions presented at the Regional Conference on the Application of Isotope Analyses in Archaeology, Hydrology and Geology, held in Zagreb on 11<sup>th</sup> and 12<sup>th</sup> October 1979. The Conference was organized by the staff of Radiocarbon and Tritium Laboratory of the Rudjer Bošković Institute, on the occasion of 10<sup>th</sup> anniversary of the successful operation of the laboratory. The scope of the Conference was to bring together competent scientists from several European countries, to present and exchange their views on topics related to the agenda of the Conference and, above all, to disseminate the knowledge of application of isotopic analyses in many fields, ranging from archaeology to geology.

#### Organizing Committee

S. Božičević

A. Brnek-Kostić

M. Malez

B. Obelić, scientific secretary

Adela Sliepčević

D. Srdoč, chairman

Zagreb, December 1980