

## CONTENTS

Professor Slobodan V. Ribnikar - On the occasion of his 70th birthday .....	281
<i>N. Juranić, Z. Zolnai and S. Macura:</i> Two-dimensional exchange spectroscopy revisited: Accounting for the number of participating spins .....	285
<i>M. Kurepa and J. Jureta:</i> Iodine molecule covalent excited states as determined by the threshold electron spectrometry .....	303
<i>Lj. Damjanović, G. D. Stucky and V. I. Srđanov:</i> Magnetism of F centers; indication of an antiferromagnetic phase transition in potassium-electro-sodalite .....	311
<i>M. R. Todorović, I. Holclajner-Antunović, V. A. Miličević and R. P. Mihajlović:</i> Contribution to a study of organic solvent addition on trace determination by FAAS.....	315
<i>M. Tripković, M. Todorović, I. Holclajner-Antunović, S. Ražić, A. Kondić and D. Marković:</i> Spectrochemical determination of lead in wines .....	323
<i>R. P. Mihajlović, V. M. Kaljević, R. M. Đudović, Z. D. Stanić and Lj. V. Mihajlović:</i> An atomic absorption spectrometric method for the determination of phosphorus in foodstuffs using the bismuth phosphomolybdate complex .....	331
<i>M. Medenica, D. Ivanović and A. Malenović:</i> Simultaneous determination of compounds in Septalen pellets by derivative spectrophotometry .....	339
<i>V. Vasić, S. Premović, M. Čakar, B. Radak and G. Milovanović:</i> Spectrophotometric investi- gations of the reaction between gold(III) and potassium iodide .....	345
<i>J. B. Nikolić, G. S. Ušćumlić and V. V. Krstić:</i> Solvent effects on electronic absorption spectra of cyclohex-1-enylcarboxylic and 2-methylcyclohex-1-enylcarboxylic acids .....	353
<i>Š. S. Miljanić and D. D. Golobočanin:</i> A simplified approach to the vibrational self-relaxation of simple molecules through convolution of their velocities.....	361
<i>Lj. Bogunović, U. B. Mioč, B. Ž. Jovanović and I. O. Juranić:</i> Infrared study of some 2-substituted-6-hydroxy-4-pyrimidine carboxylic acids. Correlation with MO-calcula- tions .....	371
<i>G. N. Ostojić, B. B. Radak and Lj. T. Petkovska:</i> A frequency stabilized waveguide CO <sub>2</sub> -laser for photoacoustic spectroscopy of gases .....	381
<i>A. Golubović, R. Gajić, S. Nikolić, S. Đurić and A. Valčić:</i> The optical properties of LiNbO <sub>3</sub> single crystals .....	391
<i>U. B. Mioč, M. R. Todorović, S. Uskoković-Marković, Z. P. Nedić and N. S. Bošnjaković:</i> The spectroscopic investigation of 12-tungstophosphoric acid alkali salts .....	399
<i>U. B. Mioč, M. Todorović, S. Uskoković-Marković, Z. Nedić, V. Stamenković and T. Čajkovski:</i> Structural modifications of Cu(II) 12-tungstophosphoric acid salt studied by IR and Raman spectroscopy.....	407
<i>B. Minčeva-Šukarova, L. Andreeva, Lj. Pejov and V. Petruševski:</i> Vibrational and quantum theoretical study of the host-guest interaction in clathrates: I. Hofmann type clathrates	417
<i>T. M. Vasiljević, M. D. Laušević and R. E. March:</i> Mass spectrometry analysis of polychlori- nated biphenyls: chemical ionization and selected ion chemical ionization using meth- ane as a reagent gas .....	431
<i>D. S. Belić and P. Defrance:</i> Separation of ions with same charge to mass ratio from a collision experiment .....	439
<i>Š. S. Miljanić, N. N. Stjepanović and M. S. Trtica:</i> An attempt to use a pulsed CO <sub>2</sub> laser for determination of radioactive metal surfaces .....	445
<i>M. Dj. Ristić, S. Degetto and T. Ast:</i> Determination of americium-241 in sediments by gamma spectroscopy .....	451

Published by the Serbian Chemical Society,  
Karnegijeva 4/III, P. O. Box 35-08, YU-11001 Belgrade, Yugoslavia  
Printed by the Faculty of Technology and Metallurgy,  
Karnegijeva 4, P. O. Box 35-03, YU-11001 Belgrade, Yugoslavia