

DOCUMENTA CHEMICA YUGOSLAVICA

CROATICA
CHEMICA ACTA

(ARHIV ZA KEMIJU)

VOL. 37

INDEX

ZAGREB
YUGOSLAVIA

1965

Croat. Chem. Acta

CROATICA CHEMICA ACTA

Adresa redakcije

Address of the Editorial Board

CROATICA CHEMICA ACTA
19 Marulićev trg, Zagreb, Croatia, Yugoslavia

REDKCIJSKI ODBOR — EDITORIAL BOARD

Glavni urednik — Editor
Božo Težak

Pomoćni urednici — Assistant Editors
Nevenka Pravdić i Petar Strohal

Tajnik — Secretary
Dina Keglević

Pomoćni tajnik — Assistant Secretary
Vera Mikulčić

Članovi odbora — Members

S. Ašperger, A. Bezjak, S. Borčić, J. Dugošević, C. Djordjević, I. Filipović, D. Fleš,
B. Glunčić, H. Ivezović, Lj. Jeftić, Z. Kochansky, Z. Konrad, B. Lovreček, S. Maričić,
P. Mildner, V. Pravdić, M. Proštenik, M. Randić, D. Sunko, V. Škarić, M. Tišler,
V. Tomašić i O. Weber

CONTENTS — SADRŽAJ

ORIGINALNI ZNANSTVENI RADOVI — ORIGINAL SCIENTIFIC PAPERS

FIZIČKA I ANORGANSKA KEMIJA — PHYSICAL AND INORGANIC CHEMISTRY

D. Kolar and B. S. Brčić: Heats of Immersion of Uranium Oxides in <i>n</i> -Nitropropane. III. (Omakalne topote uranovih oksidov v n-nitropropanu III)	37
B. Belina and Z. Veksli: Proton Magnetic Resonance in Tincalconite (<i>Protonska magnetska rezonancija u tinkalkonitu</i>)	41
Z. Ogorelec: Electrical Conductivity of Semiconducting Na ₂ Te (<i>Električna vodljivost poluvodiča Na₂Te</i>)	49
D. Tesla-Tokmanovski, M. J. Herak, V. Pravdić, and M. Mirnik: Determination of the Ion Adsorption by the Radioactive Tracer Technique. VI. Counter Ion Adsorption on Silver Iodide in the Equivalency Region (<i>Odredivanje adsorpcije iona metodom radioaktivnih indikatora. VI. Adsorpcija protutiona na srebrnom jodidu u području ekvivalencije</i>)	79
J. S. Savić and I. Filipović: Polarographic Investigations of Lactato Complexes of Copper, Lead, Cadmium, and Indium (<i>Polarografska istraživanja laktato-kompleksa bakra, olova, kadmija i indija</i>)	91
H. Ivezković and A. Gertner: Saturated Ternary Systems. IV. Solubility Isotherms of Organic Compounds in Water-Ethanol Mixtures (<i>Zasićeni ternarni sistemi. IV. Izoterme topivosti organskih tvari u smjesama voda-etanol</i>)	99
M. Topić: Incorporation of Impurities into Single Crystals of Rochelle Salt (<i>Ugradivanje primjesa u monokristale Seignettove soli</i>)	125
M. Topić: Influence of Impurities upon the Morphology of Rochelle Salt Single Crystals (<i>Utjecaj primjesa na morfologiju monokristala Seignettove soli</i>)	133
M. Randić and A. Westland: The Splitting of d-Orbitals in Less Symmetrical Molecules. Benzene-Wolfram-Pentacarbonyl (<i>Cijepanje d-orbitala za manje simetrične molekule. Benzenpentakarbonilvolfram</i>)	149
R. Despotović and M. Mirnik: Heterogeneous Exchange of Precipitates. VIII. AgI—I [—] Exchange (<i>Heterogena zamjena na sistemu kruto-tekuće. VIII. AgI—I[—] zamjena</i>)	155
R. Despotović and M. Mirnik: Heterogeneous Exchange of Precipitates. IX. Dried AgI—I [—] and AgI—Ag ⁺ Exchange (<i>Heterogena zamjena na talozima. IX. AgI—I[—] i AgI—Ag⁺ zamjena na sušenom AgI</i>)	163
R. Despotović: Heterogeneous Exchange of Precipitates. X. System AgI—I ^(¹⁴³I) —UO ₂ (NO ₃) ₂ (<i>Heterogena zamjena na talozima. X. Sistem AgI—I^(¹⁴³I)—UO₂(NO₃)₂</i>)	169
Z. Balenović: Eine neue Apparatur zur Bestimmung der Dielektrizitätskonstante (<i>Nova aparatura za odredivanje dielektrične konstante</i>)	239
M. Topić: Some Electric Properties of Doped Single Crystals of Rochelle Salt (<i>Neka električna svojstva dopiranih monokristala Seignetteove soli</i>)	245
A. Bezjak and I. Jelenić: Correction of Preferential Crystallite Orientation in X-ray Quantitative Analysis (<i>Korekcija s obzirom na preferiranu orijentaciju kristalita u rendgenskoj kvantitativnoj analizi. Rendgenska kvantitativna analiza Ca(OH)₂</i>)	255
A. Filip and M. Mirnik: Heterogeneous Exchange of Amalgams. I. Zn-Amalgam-Zn ²⁺ (SO ₄ ^{2—}) Solution Exchange (<i>Heterogena zamjena amalgama. I. Zamjena Zn-amalgama i otopine Zn²⁺(SO₄^{2—})</i>)	281

II

R. Despotović and M. Mirnik: Heterogeneous Exchange of Precipitates. XI. Influence of Concentration of the Coagulating Co^{2+} Ion on the $\text{AgI}-\text{I}^-$ Exchange (<i>Heterogena zamjena na precipitatima. XI. Utjecaj koncentracije koagulacionog Co^{2+} iona na $\text{AgI}-\text{I}^-$ zamjenu</i>)	289
M. Vlatković, M. Mirnik, and R. Despotović: Heterogeneous Exchange of Precipitates. XII. $\text{AgCl}-\text{Ag}^+$ and $\text{AgCl}-\text{Cl}^-$ Exchange (<i>Heterogena zamjena na precipitatima. XII. Sistemi $\text{AgCl}-\text{Ag}^+$ i $\text{AgCl}-\text{Cl}^-$</i>)	295

ANALITIČKA KEMIJA — ANALYTICAL CHEMISTRY

J. Stupar, B. Podobnik, and J. Korošin: The Determination of Cadmium in Uranium Compounds by Absorption Spectrophotometry (<i>Določevanje kadmija v uranovih spojinah z atomsko-absorpcijsko spektrofotometrijo</i>)	141
H. Goričan and C. Djordjević: Solvent Extraction of Niobium and Tantalum. II. Extraction and Separation of Zirconium and Niobium with Di-n-octyl-methylene-bis-phosphonic Acid (<i>Ekstrakcija niobia i tantalja II. Ekstrakcija i separacija cirkonija i niobia sa di-n-oktilmetilen-bis-fosfonskom kiselinom</i>)	265
B. Tomažić and M. Branica: Polarographic Determination of Potassium in Uranium Compounds (<i>Polarografsko određivanje kalija u uranovim spojevima</i>)	277

ORGANSKA KEMIJA I BIOKEMIJA — ORGANIC CHEMISTRY AND BIOCHEMISTRY

K. Humski, S. Borčić, and D. E. Sunko: 1,3-Hydrogen Migration in the Solvolysis of $2-\Delta^3$ -Cyclopentenyl)ethyl <i>p</i> -Toluenesulfonate (<i>1,3-Hidridni pomak kod solvolize $2-(\Delta^3\text{-ciklopentenil})\text{etil p-toluensulfonata}$</i>)	3
W. Acklin, Z. Kis und V. Prelog: Reaktionen mit Mikroorganismen. XIII. Mitteilung. Über die stereospezifische Reduktion von Benzoin und Benzil mit <i>Curvularia falcata</i> (<i>Reakcije sa mikroorganizmima. XIII. Saopćenje. O stereospecifičnoj redukciji benzoina i benzila s Curvularia falcata</i>)	11
B. Stanovnik and M. Tišler: Contribution to the Structure of 2,5-Dimercapto-1,3,4-tiadiazole and Related Compounds (<i>Prispevek k strukturi 2,5-dimerkapt-1,3,4-tiadiazola in sorodnih spojina</i>)	17
D. Desaty and D. Keglević: Indole Compounds. IV. Substituent Effects on the Cyclization of Phenylhydrazines with Acetals into <i>Bz</i> , 3 -Disubstituted Indoles (<i>Efekti supstituenata na ciklizaciju fenilhidrazina i acetala u <i>Bz</i>,3-disupstituirane indole</i>)	25
V. Belanić-Lipovac, S. Borčić, and D. E. Sunko: Secondary Hydrogen Isotope Effects. VII. Ethanolysis Rates of 1,1-Dimethyl-allyl-3, 3 - d_2 Chloride and 3,3-Dimethylallyl-1,1- d_2 Chloride (<i>Sekundarni hidrogenSKI izotopski efekti. VII. Brzina etanolize 1,1-dimetilalil-3,3-d_2 klorida i 3,3-dimetilalil-1,1-d_2 klorida</i>)	61
M. Jančevska, K. Jakopčić und V. Hahn: Über Hydroxythioamide. I. Einfache Darstellung von aromatischen und heteroaromatischen Thiocarbonsäure-aniliden mit freier Hydroxylgruppe (<i>Hidroksitioamidi I. Jednostavan postupak za pripravljanje amida aromatskih i heteroaromatskih tiokarbon-skih kiselina sa slobodnom hidroksilnom skupinom</i>)	67
P. Mildner, B. Mihanović, G. Knežević, and J. Strossel: Antifungal Activity and Inhibitory Effect on Urease of Some Organo-Mercuric Compounds (<i>Antifungalna aktivnost i inhibitorsko djelovanje na ureazu nekih organo-živinih spojeva</i>)	73
K. Jakopčić and V. Hahn: Thioamides. VIII. Cyclization of 2-Carbobenzoxy-amino-Thiobenzanilide (<i>Tioamidi. VIII. Ciklizacija 2-karbobenzoksiamino-thiobenzanilida</i>)	181
D. Bilović and V. Hahn: The Preparation of Some Quaternary Furfuryl Ammonium Salts (<i>O pripravi nekih kvarternih 2-furfuril-amonijevih soli</i>)	185
K. L. Servis, O. Gjurović-Deletis, S. Borčić, and D. E. Sunko: Secondary Hydrogen Isotope Effects. VIII. Rate of Formation of Diethyl Malonate Anions	

(<i>Sekundarni hidrogenski izotopni efekti. VIII. Brzina nastajanja dietil malonat aniona</i>)	191
V. Škarić, B. Gašpert, I. Jerkunica, and D. Škarić: Hydropyrimidines. IV. Thio Analogs of 5,6-Dihydouracil and its Methyl Derivates (<i>Hidropirimidini. IV. Tio analogoni 5,6-dihidrouracila i odgovarajući metil derivati</i>)	199
J. Kobe, A. Pollak, B. Stanovnik, and M. Tišler: The Mannich Reaction for 2,5-Dimercapto-1,3,4-thiadiazole (<i>Mannichova reakcija z 2,5-dimerkapto-1,3,4-tiadiazolom</i>)	215
D. Bilović, D. Popović-Cipriš, M. Kolombo und V. Hahn: Dicarbonsäureureide. I. Ureide und Thioureide der Glutar-, Diglykol- und Thiodiglykolsäure (<i>O ureidima dikarbonskih kiselina. I. Ureidi i tioureidi glutarne, diglikolne i tioglikolne kiseline</i>)	223
D. Desaty, O. Hadžija, and D. Keglević: The Formation of Dihydropyridazines from Succinaldehyde bis (diethyl acetal) and Phenylhydrazines (<i>Dobivanje dihidropiridazina iz sukcin-aldehyda bis (dietil acetala) i fenilhidrazina</i>)	227
S. Iskrić and S. Kveder: A New Aspect of the <i>in Vitro</i> Metabolism of Some Biogenic Amines (<i>Novi aspekti metabolizma nekih biogenih amina in vitro</i>)	233
N. Pravdić und V. Hahn: Über 3-(2'-Furyl)-thioacrylsäureamide. Thioamide. VI. Mitteilung (<i>O amidima 3-(2'-furil)-tioakrilne kiseline. Tioamidi. VI. priopćenje</i>)	55
F. Krašovec: The Dissociation, Distribution, and Dimerization Constants of Some Organophosphorus Acids (<i>Disocijacijska, porazdelitvena in dimerizacijska konstanta nekarerih organofosfornih kislin</i>)	107
B. Glunčić, A. Junašević-Holjevac, D. Grgurić, and E. Guštak: Note on the Preparation of Some Disubstituted Derivatives of <i>p,p'</i> -(Sulphamyl) carbanilides, and their Hydrolysis to Corresponding Sulphoamides (<i>Priprava nekih supstituiranih derivata p,p'-bis-(sulfamil) karbanilida i njihova hidroliza u odgovarajuće sulfonamide</i>)	111
R. Despotović, M. J. Herak, and Lj. A. Despotović: Determination of Ion Adsorption by the Radioactive Tracer Technique. VII. Adsorption-Desorption Processes on Polystyrene and on Glass Powder (<i>Odredivanje adsorpciono-desorpcione ravnoteže tehnikom radioaktivnihobilježavača. VII. Adsorpciono-desorpcioni procesi na prahu polistirena i stakla</i>)	209
E. Kunec-Vajić and K. Weber: Effect of Pilocarpine on the Chemiluminescence of Luminol (<i>Djelovanje pilokarpina na kemiluminiscenciju luminola</i>)	211
E. Guštak, D. Korunčev, and B. Glunčić: Note on the Synthesis of 2-Ethyl-thioidisonicotinoylamide (<i>Sinteza amida 2-etyl-tioizonikotinske kiseline</i>)	303
N. Trinajstić: Molecular Orbital Calculations for [18] Annulene Trioxide (<i>Racun molekularnih orbitala [18] anulen trioksid</i>)	307

PRETHODNA SAOPĆENJA — PRELIMINARY NOTES

B. Matković and M. Šljukić: Synthesis and Crystallographic Data of Sodium Thorium Triphosphate, $\text{NaTh}_2(\text{PO}_4)_3$, and Sodium Uranium (IV) Triphosphate, $\text{NaU}_2(\text{PO}_4)_3$ (<i>Preparacija i kristalografski podaci o natrijevom torijevom fosfatu i natrijevom uran (IV) fosfatu</i>)	115
B. Ribar and B. Matković: Structural Studies of Strontium Nitrate Tetrahydrate and Monohydrated Mercuric Oxynitrate (<i>Strukturna istraživanja stroncijeve nitrata tetrahidrata i bazičnog živa (II) nitrata monohidrata</i>)	117

RECENZIJE — BOOK REVIEWS

Houben-Weyl: <i>Methoden der Organischen Chemie</i> (D. Kolbah)	59
I. M. Hais und K. Macek: <i>Handbuch der Papierchromatographie</i> (K. Balenović)	59
F. Albert Sotton: <i>Chemical Applications of Group Theory</i> (N. Trinajstić)	59
<i>Encyclopedia of Polymer Science and Technology</i> (Gj. Deželić)	119
C. N. Davies: <i>Recent Advances in Aerosol Research</i> (Gj. Deželić)	119
J. S. Brimacombe and J. M. Webber: <i>Mucopolysaccharides</i> (Gj. Deželić)	120
<i>Adsorption Spectra in the Ultraviolet and Visible Region</i> (B. Gašpert)	120

O. K. Davtjan: <i>Kvantovaja Himija</i> (M. Randić)	121
V. I. Baranov, A. S. Serdjučeva, L. V. Gorbušina, I. M. Nazarov i Z. N. Jefimkina: <i>Laboratorijske rabe i zadaće po radiometriji</i> (P. Strohal)	122
Houben-Weyl: <i>Methoden der organischen Chemie</i> (D. Kolbah)	122
A. Režek: <i>Rogaška Slatina</i> (H. Iveković)	213
G. Friedlander, J. W. Kennedy, and J. M. Miller: <i>Nuclear and Radiochemistry</i> (P. Strohal)	213
<i>Radiochemical Methods of Analysis</i> (P. Strohal)	214
A. E. Nielsen: <i>Kinetics of Precipitation</i> (Gj. Deželić)	313
Alfer J. Moses: <i>Nuclear Techniques in Analytical Chemistry</i> (P. Strohal)	313
William S. Lyon: <i>Guide to Activation Analysis</i> (P. Strohal)	314
L. Jellici and Griggio: <i>Bibliografia Polarografica (1922—1963)</i> (I. Filipović)	314
<i>Recent Progress in Surface Science</i> (V. Pravdić)	314
Paul Delahay: <i>Double Layer and Electrode Kinetics</i> (V. Pravdić)	315
Leon F. Phillips: <i>Basic Quantum Chemistry</i> (N. Trinajstić)	316
A. Streitwieser Jr. and J. I. Brauman: <i>Supplemental Tables of Molecular Orbital Calculations</i> (N. Trinajstić)	317
Yu. K. Syrkin and M. E. Dyatkina: <i>Structure of Molecular and the Chemical Bond</i> (N. Trinajstić)	318
E. U. Condon and G. H. Shortley: <i>The Theory of Atomic Spectra</i> (M. Randić i N. Trinajstić)	318
C. J. Ballhausen and H. B. Gray: <i>Molecular Orbital Theory</i> (M. Randić)	319
<i>Rodd's Chemistry of Carbon Compounds, Vol. I B</i> (V. Škarić)	319
<i>Rodd's Chemistry of Carbon Compounds, Vol. I C</i> (V. Škarić)	320

PRILOG — APPENDIX

Redovita godišnja skupština Hrvatskog kemijskog društva za godinu 1965.	A 1
Kolokviji Hrvatskog kemijskog društva	A 8
Popis novih članova Hrvatskog kemijskog društva	A10
Izveštaj o radu Federacije evropskih biokemijskih društava	A11

BIBLIOGRAPHIA CHEMICA CROATICA

<i>Dissertationes (DCC-15, DCC-16)</i>	B 1
<i>Master of Science Theses (MCC-5, MCC-6, MCC-7, MCC-8, MCC-9, MCC-10)</i>	B 5
<i>Dissertationes (DCC-17, DCC-18)</i>	B17
<i>Master of Science Theses (MCC-11)</i>	B21
Popis časopisa koje prima Centralna kemijska biblioteka (<i>List of Periodicals Received by the Central Chemical Library</i>)	B23
<i>Dissertationes (DCC-19, DCC-20, DCC-21)</i>	B61
<i>Master of Science Theses (MCC-12, MCC-13, MCC-14, MCC-15, MCC-16, MCC-17, MCC-18, MCC-19, MCC-20, MCC-21)</i>	B67
Prijedlog jugoslavenske nomenklature anorganske kemije — primjedbe	C 1

INDEX

1965

INDEKS PO AUTORIMA — AUTHOR INDEX

**ORIGINALNI ZNANSTVENI RADOVI (O) — ORIGINAL SCIENTIFIC PAPERS (O)
PRETHODNA SAOPĆENJA (S) — PRELIMINARY NOTES (S)
BILJEŠKE (B) — NOTES (B)**

Acklin, W., Kis, Z., und Prelog, V.: Reaktionen mit Mikroorganismen. XIII. Mitteilung. Über die stereospezifische Reduktion von Benzoin und Benzil mit <i>Curvularia falcata</i> (O)	11
Balenović, Z.: Eine neue Apparatur zur Bestimmung der Dielektrizitätskonstante (O)	239
Belanić-Lipovac, V., Borčić, S., and Sunko, D. E.: Secondary Hydrogen Isotope Effects. VII. Ethanolysis Rates of 1,1-Dimethyl-allyl-3,3-d ₂ Chloride and 3,3-Dimethylallyl-1,1-d ₂ Chloride (O)	61
Belina, B. and Veksli, Z.: Proton Magnetic Resonance in Tincalconite (O)	41
Bezjak, A. and Jelenić, I.: Correction of Preferential Crystallite Orientation in X-ray Quantitative Analysis (O)	245
Bilović, D. and Hahn, V.: The Preparation of Some Quaternary Furfuryl Ammonium Salts (O)	185
Bilović, D., Popović-Cipriš, D., Kolombo, M., und Hahn, V.: Dicarbonsäureureide. I. Ureide und Thicureide der Glutar-, Diglykol- und Thiodiglykolsäure (O)	223
Borčić, S.: vidi Humski, K.	
Borčić, S.: vidi Belanić-Lipovac, V.	
Borčić, S.: vidi Servis, K. L.	
Branica, M.: vidi Tomažić, B.	
Brčić, B. S.: vidi Kolar, D.	
Desaty, D. and Keglević, D.: Indole Compounds. IV. Substituent Effects on the Cyclization of Phenylhydrazines with Acetals into Bz,3-Disubstituted Indoles (O)	25
Desaty, D., Hadžija, O., and Keglević, D.: The Formation of Dihydropyridazines from Succinaldehyde bis (diethyl acetal) and Phenylhydrazines (O)	227
Despotović, Lj. A.: vidi Despotović, R.	
Despotović, R. and Mirnik, M.: Heterogeneous Exchange of Precipitates. VIII. AgI—I ⁻ Exchange (O)	155
Despotović, R. and Mirnik, M.: Heterogeneous Exchange of Precipitates. IX. Dried AgI—I ⁻ and AgI—Ag ⁺ Exchange (O)	163
Despotović, R.: Heterogeneous Exchange of Precipitates. X. System AgI—I ⁻ (¹³¹ I) — UO ₂ (NO ₃) ₂ (O)	169
Despotović, R. and Mirnik, M.: Heterogeneous Exchange of Precipitates. XI. Influence of Concentration of the Coagulating Co ²⁺ Ion on the AgI—I ⁻ Exchange (O)	289
Despotović, R., Herak, M. J., and Despotović, Lj. A.: Determination of Ion Adsorption by the Radioactive Tracer Technique. VII. Adsorption-Desorption Processes on Polystyrene and on Glass Powder (B)	209

VI

Despotović, R. : vidi Vlatković, M.	
Djordjević, C. : vidi Goričan, H.	
Filip, A. and Mirnik, M. : Heterogeneous Exchange of Amalgams. I. Zn-Amalgam-Zn ⁺² (SO ₄) ²⁻ Solution Exchange (O)	281
Filipović, L. : vidi Savić, J. S.	
Gašpert, B. : vidi Škarić, V.	
Gertner, A. : vidi Iveković, H.	
Giurović-Deletis, O. : vidi Servis, K. L.	
Glunčić, B. , Junašević-Holjevac, A. , Grgurić, D. , and Guštak, E. : Note on the Preparation of Some Disubstituted Derivatives of <i>p,p'</i> -(Sulphamyl) - carbamides, and their Hydrolysis to Corresponding Sulphoamides (B)	111
Glunčić, B. : vidi Guštak, E.	
Goričan, H. and Djordjević, C. : Solvent Extraction of Niobium and Tantalum. II. Extraction and Separation of Zirconium and Niobium with Di- <i>n</i> -octyl-methylene-bis-phosphonic Acid (O)	265
Grgurić, D. : vidi Glunčić, B.	
Guštak, E. , Korunčev, D. , and Glunčić, B. : Note on the Synthesis of 2-Ethylthioisonicotinoylamide (B)	303
Guštak, E. : vidi Glunčić, B.	
Hahn, V. : vidi Bilović, D.	
Hahn, V. : vidi Jakopčić, K.	
Hahn, V. : vidi Jančevska, M.	
Hahn, V. : vidi Pravdić, N.	
Herak, M. J. : vidi Despotović, R.	
Herak, M. J. : vidi Tesla-Tokmanovski, D.	
Humski, K. , Borčić, S. , and Sunko, D. E. : 1-3-Hydrogen Migration in the Solvolysis of 2-(Δ ³ -Cyclopentenyl) ethyl <i>p</i> -Toluenesulfonate (O)	3
Iskrić, S. and Kveder S. : A New Aspect of the in Vitro Metabolism of Some Biogenic Amines (O)	233
Iveković, H. and Gertner, A. : Saturated Ternary Systems. IV. Solubility Isotherms of Organic Compounds in Water-Ethanol Mixtures (O)	99
Jakopčić, K. and Hahn, V. : Thioamides. VIII. Cyclization of 2-Carbobenzoxy-amino-Thiobenzanilide (O)	181
Jakopčić, K. : vidi Jančevska, M.	
Jančevska, M. , Jakopčić, K. und Hahn, V. : Über Hydroxythioamide. I. Einfache Darstellung von aromatischen und heteroaromatischen Thiocarbonsäure-aniliden mit freier Hydroxylgruppe (O)	67
Jelenić, I. : vidi Bezjak, A.	
Jerkunica, I. : vidi Škarić, V.	
Keglević, D. : vidi Desaty, D.	
Kis, Z. : vidi Acklin, W.	
Knežević, G. : vidi Mildner, P.	
Kobe, J. , Pollak, A. , Stanovnik, B. , and Tišler, M. : The Mannich Reaction for 2,5-Dimercapto-1,3,4-thiadiazole (O)	215
Kolar, D. and Brčić, B. S. : Heats of Immersion of Uranium Oxides in <i>n</i> -Nitropropane III. (O)	37
Kolombo, M. : vidi Bilović, D.	
Korošin, J. : vidi Stupar, J.	
Korunčev, D. : vidi Guštak, E.	
Krašovec, F. : The Dissociation, Distribution, and Dimerization Constants of Some Organophosphorus Acids (B)	107
Kunec-Vajić, E. and Weber, K. : Effect of Pilocarpine on the Chemiluminescence of Luminol (B)	211

Kveder, S. : vidi Iskrić, S.	
Matković, B. and Šljukić, M. : Synthesis and Crystallographic Data of Sodium Thorium Triphosphate, $\text{NaTh}_2(\text{PO}_4)_3$, and Sodium Uranium (IV) Triphosphate, $\text{NaU}_2(\text{PO}_4)_3$ (S)	115
Matković, B. : vidi Ribar, B.	
Mihanović, B. : vidi Mildner, P.	
Mildner, P. , Mihanović, B. , Knežević, G. , and Strossel, J. : Antifungal Activity and Inhibitory Effect on Urease of Some Organo-Mercuric Compounds (O)	73
Mirnik, M. : vidi Despotović, R.	
Mirnik, M. : vidi Filip, A.	
Mirnik, M. : vidi Vlatković, M.	
Ogorelec, Z. : Electrical Conductivity of Semiconducting Na_2Te (O)	49
Pollak, A. : vidi Kobe, J.	
Podobnik, B. : vidi Stupar, J.	
Popović-Cipriš, D. : vidi Bilović, D.	
Pravdić, N. und Hahn, V. : Über 3-(2'-Furyl)-thioacrylsäureamide. Thioamide. VI. Mitteilung (B)	55
Pravdić, V. : vidi Tesla-Tokmanovski, D.	
Prelog, V. : vidi Acklin, W.	
Randić, M. and Westland, A. : The Splitting of d-Orbitals in Less Symmetrical Molecules. Benzene-Wolfram-Pentacarbonyl (O)	149
Ribar, B. and Matković, B. : Structural Studies of Strontium Nitrate Tetrahydrate and Monohydrated Mercuric Oxynitrate (S)	117
Savić, J. S. and Filipović, I. : Polarographic Investigations of Lactato Complexes of Copper, Lead, Cadmium, and Indium (O)	91
Servis, K. L. , Gjurović-Deletis, O. , Borčić, S. , and Sunko, D. E. : Secondary Hydrogen Isotope Effects. VIII. Rate of Formation of Diethyl Malonate Anions (O)	191
Stanovnik, B. and Tišler, M. : Contribution to the Structure of 2,5-Dimercapto-1,3,4-thiadiazole and Related Compounds (O)	17
Stanovnik, B. : vidi Kobe, J.	
Strossel, J. : vidi Mildner, P.	
Stupar, J. , Podobnik, B. , and Korošin, J. : The Determination of Cadmium in Uranium Compounds by Absorption Spectrophotometry (O)	141
Sunko, D. E. : vidi Belanić-Lipovac, V.	
Sunko, D. E. : vidi Humski, K.	
Sunko, D. E. : vidi Servis, K. L.	
Škarić, V. , Gašpert, B. , Jerkunica, I. , and Škarić, Đ. : Hydropyrimidines. IV. Thio Analogs of 5,6-Dihydouracil and its Methyl Derivates (O)	199
Škarić, Đ. : vidi Škarić, V.	
Tesla-Tokmanovski, D. , Herak, M. J. , Pravdić, V. , and Mirnik, M. : Determination of the Ion Adsorption by the Radioactive Tracer Technique. VI. Counter Ion Adsorption on Silver Iodide in the Equivalency Region (O)	79
Tišler, M. : vidi Kobe, J.	
Tišler, M. : vidi Stanovnik, B.	
Topić, M. : Incorporation of Impurities into Single Crystals of Rochelle Salt (O)	125
Topić, M. : Influence of Impurities upon the Morphology of Rochelle Salt Single Crystals (O)	133
Topić, M. : Some Electric Properties of Doped Single Crystals of Rochelle Salt (O)	245
Tomažić, B. and Branica, M. : Polarographic Determination of Potassium in Uranium Compounds (O)	277
Trinajstić, N. : Molecular Orbital Calculations for [18] Annulene Trioxide (B)	307
Vekslj, Z. : vidi Belina, B.	
Vlatković, M. , Mirnik, M. , and Despotović, R. : Heterogeneous Exchange of Precipitates. XII. $\text{AgCl}-\text{Ag}^+$ and $\text{AgCl}-\text{Cl}^-$ Exchange (O)	295
Weber, K. : vidi Kunec-Vajić, E.	
Westland, A. : vidi Randić, M.	