

CROATICA  
CHEMICA ACTA

Croat. Chem. Acta 37 (1965) No 4.

Zagreb, Yugoslavia

31.03.1966.

## SADRŽAJ — CONTENTS

## ORIGINAL SCIENTIFIC PAPERS — ORIGINALNI ZNANSTVENI RADOVI

- J. Kobe, A. Pollak, B. Stanovnik, and M. Tišler: The Mannich Reaction for 2,5-dimercapto-1,3,4-thiadiazole (*Mannichova reakcija z 2,5-dimerkapto-1,3,4-tiadiazolom*) 215
- D. Bilović, D. Popović-Cipriš, M. Kolombo and V. Hahn: Dicarbonsäureureide. I. Ureide und Thioureide der Glutar-, Diglykol- und Thiodiglykolsäure (*O ureidima dikarbon-skih kiselina. I. Ureidi i tioureidi glutarne, diglikolne i tiodiglikolne kiseline*) 223
- D. Desaty, O. Hadžija, and D. Kegelević: The Formation of Dihydropyridazines from Succinaldehyde bis (diethyl acetal) and Phenylhydrazines (*Dobivanje dihidropiridazina iz sukcinaldehida bis [dietil acetala] i fenilhidrazina*) 227
- S. Iskrić and S. Kveder: A New Aspect of the *in Vitro* Metabolism of Some Biogenic Amines (*Novi aspekti metabolizma nekih biogenih amina in vitro*) 233
- Z. Balenović: Eine neue Apparatur zur Bestimmung der Dielektrizitätskonstante (*Nova aparatura za određivanje dielektrične konstante*) 239
- M. Topić: Some Electric Properties of Doped Single Crystals of Rochelle Salt (*Neka električna svojstva dopiranih monokristala Seignetteove soli*) 245
- A. Bezjak and I. Jelenić: Correction of Preferential Crystallite Orientation in X-ray Quantitative Analysis (*Korekcija s obzirom na preferiranu orijentaciju kristalita u rendgenskoj kvantitativnoj analizi. Rendgenska kvantitativna analiza Ca(OH)<sub>2</sub>*) 255
- 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 (*Ekstrakcija niobija i tantalata II. Ekstrakcija i separacija cirkonija i niobija sa di-n-oktilmetilen-bis-fosfonskom kiselinom*) 265
- B. Tomažič and M. Branica: Polarographic Determination of Potassium in Uranium Compounds (*Polarografsko određivanje kalija u uranovim spojevima*) 277
- A. Filip and M. Mirnik: Heterogeneous Exchange of Amalgams. I. Zn-Amalgam-Zn<sup>2+</sup>(SO<sub>4</sub><sup>2-</sup>) Solution Exchange (*Heterogena zamjena amalgama. I. Zamjena Zn-amalgama i otopine Zn<sup>2+</sup>(SO<sub>4</sub><sup>2-</sup>)*) 281
- R. Despotović and M. Mirnik: Heterogeneous Exchange of Precipitates. XI. Influence of Concentration of the Coagulating Co<sup>2+</sup> Ion on the AgI—I- Exchange (*Heterogena zamjena na precipitatima. XI. Utjecaj koncentracije koagulacionog Co<sup>2+</sup> iona na AgI—I- zamjenu*) 289
- M. Vlatković, M. Mirnik, and R. Despotović: Heterogeneous Exchange of Precipitates. XII. AgCl—Ag<sup>+</sup> and AgCl—Cl- Exchange (*Heterogena zamjena na precipitatima. XII. Sistemi AgCl—Ag<sup>+</sup> i AgCl—Cl-*) 295

## NOTES — BILJEŠKE

- E. Guštak, D. Korunčev, and B. Glunčić: Note on the Synthesis of 2-Ethyl-thioisonicotinoyl-amide (*Sinteza amida 2-etil-tioizonikotinske kiseline*) 303
- N. Trinajstić: Molecular Orbital Calculations for [18] Annulene Trioxide (*Račun molekularnih orbitala za [18] anulen trioksid*) 307

## BOOK REVIEWS — RECENCIJE

- A. E. Nielsen: *Kinetics of Precipitation* (Gj. Deželić) 313
- Alfer J. Moses: *Nuclear Techniques in Analytical Chemistry* (P. Strohal) 313
- William S. Lyon: *Guide to Activation Analysis* (P. Strohal) 314
- L. Jellicić and Griggio: *Bibliografija Polarografica (1922—1963)* (I. Filipović) 314
- Recent Progress in Surface Science* (V. Pravdić) 314
- Paul Delahay: *Double Layer and Electrode Kinetics* (V. Pravdić) 315
- Leon F. Phillips: *Basic Quantum Chemistry* (N. Trinajstić) 316
- A. Streitwieser Jr. and J. I. Brauman: *Supplemental Tables of Molecular Orbital Calculations* (N. Trinajstić) 317
- Yu. K. Syrkin and M. E. Dyatkina: *Structure of Molecular and the Chemical Bond* (N. Trinajstić) 318
- E. U. Condon and G. H. Shortley: *The Theory of Atomic Spectra* (M. Randić i N. Trinajstić) 318
- C. J. Ballhausen and H. B. Gray: *Molecular Orbital Theory* (M. Randić) 319
- Rodd's Chemistry of Carbon Compounds, Vol. I B* (V. Škarić) 319
- Rodd's Chemistry of Carbon Compounds, Vol. I C* (V. Škarić) 320

## BIBLIOGRAPHIA CHEMICA CROATICA

- Popis časopisa koje prima Centralna kemijska biblioteka (*List of Periodicals Received by the Central Chemical Library*) B23
- Dissertationes (DCC-19, DCC-20, DCC-21) B61
- Master of Science Theses (MCC-12, MCC-13, MCC-14, MCC-15, MCC-16, MCC-17, MCC-18, MCC-19, MCC-20, MCC-21) B67