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P. 1-123. 1963, Iv. PL-480 HEW (63-11406-1).
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DESCRIPTORS: *Biochemistry, *Cytochemistry, *Maleic acid, *Kidneys, Amines, Glutaric acid, *Bromination, *Photochemistry, *Ultraviolet spectroscopy, *Pyrimidines, Amino acids, Proteins, Microsomes, *Nitrogen compounds, *Metabolism, Deoxyribonucleic acids, *Nucleic acids, *Phospholipids, Brain, Lungs, Liver, Glycolysis, Hydrolases, Periodicals, Snails, Excretion.

Contents:

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Bromination of thymine and photochemistry of 5-bromo-6-hydroxyhydrothymine analogues, by D. Barszcz and others
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II. National Science Foundation, Washington, D. C.

Office of Technical Services

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NO. 2, P. 125-241. 1963, Iv. PL-480 HEW.
Order from OTS \$1.25

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DESCRIPTORS: *Biochemistry, Biosynthesis, *Maleic acid, *Kidneys, *Succinates, *Amines, Rats, Amino acids, Salts, *Hydrolases, Gastrointestinal system, *Cholinesterase, Pancreas, Valeric acids, *Transferases, Enzymes, *Plants (Botany), *Pyrimidines, Metabolism, Mice, Embryos, Cells (Biology), *Viruses, Neoplasms, *Phosphates, *Phospholipids, Tissues (Biology), Diet, Starvation, Nucleosides, *Nucleotides, Bacteria, *Yeasts, Azoles, Glycerols, Histidine, Halogenation, *Adenosine phosphates, *Esters, Ethyl radicals, Ethanols

Compounds:

Effect of maleic acid on the kidney. III. Succinate as
(Biological Sciences--Biochemistry, TT, v. 10, no. 2)
(over)

63-11406-2

- I. Title: Succinate...
- II. Title: Synthesis...
- III. Title: Cholinesterase...
- IV. PL-480 HEW (63-11406-3)
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(Biological Sciences--Pharmacology, TT, v. 8, no. 6)

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- I. Chemnitzius, K.-H.
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DATA TO THE KINETICS OF THE DECOMPOSITION
OF HYDROGEN PEROXIDE IN ALKALINE MEDIUM
[27]p (7 figs 3 tables 21 refs some formulae omitted).
Order from SLA \$2.60 TT-64-16726

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p. 93-115.

(Chemistry--Physical, TT, v. 12, no. 4)

TT-64-16726

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II. Inczedy, I.

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Application of Precipitate Exchange Reactions in
Analytical Chemistry II Determination of Chloride Ion
by Laszlo Erdey, Eva Banyai, 17 pp.

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295-408.

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Application of Precipitate Exchange Reaction in
Analytical Chemistry I, by Eva Benyai, Laszlo Erdey,
13 pp.

HUNGARIAN, Acta Chimica, Vol VIII, 1959, pp 383-394.

SLA 59-10656

Sci - Chem
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Application of Precipitate Exchange Reactions in
Analytical Chemistry, III. Determination of
Sulfate and Sulfide, by Laszlo and Banyai Erdey, Eva.
16 pp.

HUNGARIAN, Per, Acta Chimica, 1955, Vol VIII, pp 409-
422.

81A 59-10653

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New Mathematical Solution of the Addition
Method in Spectral Analysis, by S. Caeti.

HUNGARIAN, per, Acta Chim Acad Scient Hung, Vol X,
1956, pp 307-311.

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Determination of Small Amounts of Calcium by Means
of Iodanylic Hengilther, by L. ~~1952~~ Jankovits, 13 pp.

HUNGARIAN, per, Acta Chimica, Vol X, 1956,
pp 99-110.

SIA 59-10655

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63-16376

Vukov, K.
EXAMINATION OF THE ROLE OF PECTIN AND
DEXTRAN IN THE FILTRATION OF SUGAR FACTORY
JUICES. [1963] [19]p.
Order from SLA \$1.60

I. Vukov, K.

63-16376

Trans. of Acta Chimica (Hungary) 1957, v. 13,
p. 71-81].

DESCRIPTORS: *Pectins, *Dextran, *Carbohydrates,
*Liquid filters, Liquids, Viscosity, Adsorption.

The filterability of model solutions with a given precipitate and filter cloth, under constant conditions (cake thickness of constant height, air pressure 1 atm., 100° C.) was examined. It was shown that dissolved pectin substances influence filtration rate only slightly (by increasing the viscosity of the solution); filterability, however, decreases considerably when pectin substances are present in the precipitate. Dextrans reduce filtration rate.
(Food, TT. v. 10, no. 8) (over)

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Studies on Atom Absorption Using Sodium,
by E. Pungor, I. K. Thege.

GERMAN, per, Acta Chimica, Vol XXVIII,
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Electron Bond in Solid Catalysts and Its Relationship
to Catalytic Properties, by G. Reinacker, 41 pp.

HUNGARIAN, per, Acta Chimica, Vol XIV, No 1, 1958,
pp 173-196.

SLA 59-10747

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Dosage of calcium in the presence of eriochrome B red as indicator

Le dosage de calcium en présence de rouge ériochrome B comme indicateur

Acta Chim. Acad. Sc. Hungar., 15, No. 2, 163-174 (1958)

CEA-A 618 - French

E u r a t o m

Results of Research on the Technical Chemis-
try of Furan Compounds in Hungary,
by G. Fodor, L. Beregi.
HUNGARIAN, per, Acta Chimica, Vol 15,
No 3, 1958, pp 315-323.
SLA TT-66-10286

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Physico-Chemical Study of the Aqueous
Solution of Metatungstic Acid $H_2H(W_2O_7)_6$
by R. Ripan, C. Pristavu, 8 pp.
HUNGARIAN, per, Acta Chimica, Vol 16,
1958, pp 83-89.
TC-382

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Nowotny, H., Kieffer, R. and others.
HIGH-MELTING CARBIDES, SILICIDES AND
BORIDES (Hochschmelzende Karbide, Silizide und
Boride). [1961] [22]p. (foreign text included) 16 refs.
Order from SLA \$2.60

61-20844

Trans. of Acta Chim[ica] (Hungary) 1959, v. 18,
p. 35-44.

DESCRIPTORS: *Carbides, *Silicides, *Borides, Heat
tolerance, Melting, Crystallization, Crystal structure,
Transition elements.

The present paper deals with the crystal chemistry of
high melting carbides, silicides and borides. UC and
mixtures of UC together with TiC, ZrC, VC, NbC,
TaC, Cr₃C₂, Mo₂C, WC and ThC were prepared by
the method of hot-pressing. It was found that UC forms
a series of mixed crystals, respectively, with ZrC,
(Physics--Solid State, TT, v. 7, no. 5) (over)

61-20844

I. Nowotny, H.
II. Kieffer, R.

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Determination of the Calcium Content in Urine
by Complexometry, by H. Knappe V. Bockel,

HUNGARIAN, per, Acta Chimica, Vol XVIII,
No 1-4, pp 85-91, 1959

C.S.I.R.O. 4539

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Effect of Trace Contaminations on the Electrolysis
of Alkali Chloride Carried Out by Mercury Cathodes,
by A. Czernotzky.

HUNGARIAN, per, Acta Chimica, Vol 18, 1958,
pp 167-171.

NYC-69-16296-07D

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**Analysis of High-Toxic Organic Phosphoric Acid Esters,
by K. H. Lohs, P. Franz, 9 pp.**

**GERMAN, per, Acta Chimica, Vol XXVI, No 1-4, 1961,
pp 451-458.**

JPRS 22943

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Jan 64**

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Vecera, M.
CATALYTIC RAPID COMBUSTION IN ORGANIC
ELEMENTAL ANALYSIS, 21 June 62 [9]p. 16 refs.
Order from SLA \$1.10 62-20192

Trans. of Acta Chim[ica] (Hungary) 1961, v. 26,
p. 511-518.

DESCRIPTORS: *Organic compounds, *Combustion,
Catalysts, Chemical analysis.

The existence of vapor surges with an oxygen deficiency is characteristic of rapid combustion in organic elemental analysis. In a catalyst suitable for continuous operation, reduction and oxidation at the surface must be reversible. A detailed study of various types of catalysts showed that Co_3O_4 was the best of the substances tested for rapid combustion. The flash com-

(Chemistry--Analytical, TT, v. 9, no. 9)

62-20192

I. Vecera, M.

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Zsupan, K.

SPECTROPHOTOMETRIC MULTICOMPONENT ANALYSIS AND ITS APPLICATION IN THE PRODUCTION OF OXYTETRACYCLINE (Spektrophotometrische Mehrkomponentenanalyse und ihre Anwendung in der Oxytetracyclinerzeugung). [1962] [17]p. 9 refs.

Order from SLA \$1.60

62-16296

Trans. of Acta Chim[ica] (Hungary) 1961, v. 27 [no. 1/4] p. 451-461.

DESCRIPTORS: Drugs, *Antibiotics, *Terramycin, Production, Fermentation, *Ultraviolet spectroscopy, Spectrophotometers.

The ultraviolet spectrophotometric procedure can be applied with good results in the analysis of oxytetracycline and its accompanying substances (apo-Terramycin, Rimocidin). With the aid of this method, (Biological Sciences--Pharmacology, TT, v. 8, no. 9)

62-16296

I. Zsupan, K.

73 PRS 5-5
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New Information on the Rapid Analysis of
Ores, Mineral and Silicates, by J. Sajo.
HUNGARIAN, per, Acta Chimica, Vol 28,
1961, pp 259-269.
NTC 69-10880-07B

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