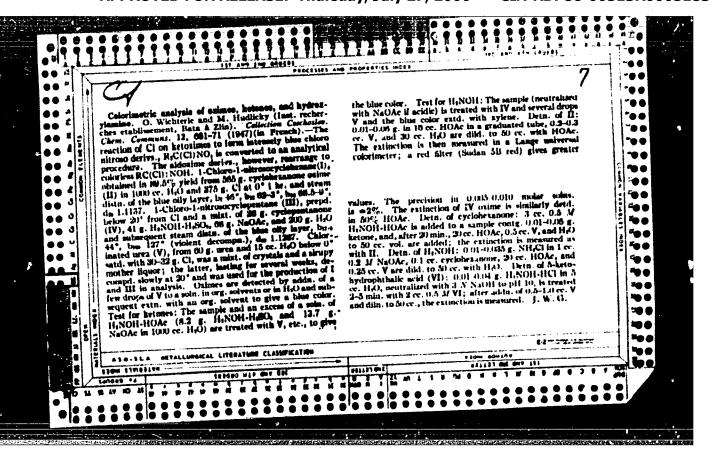
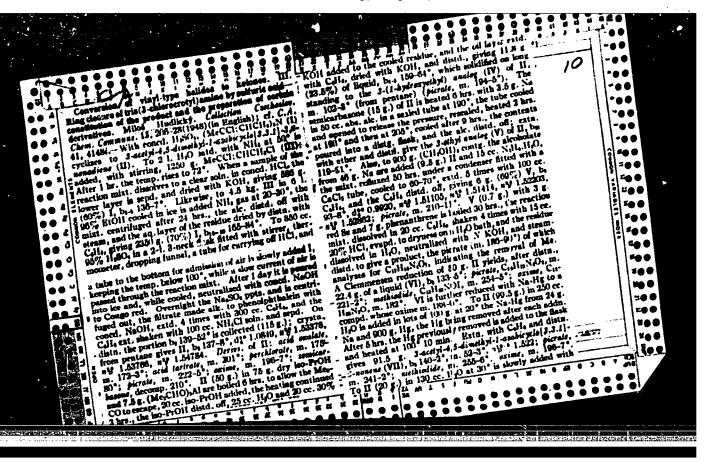


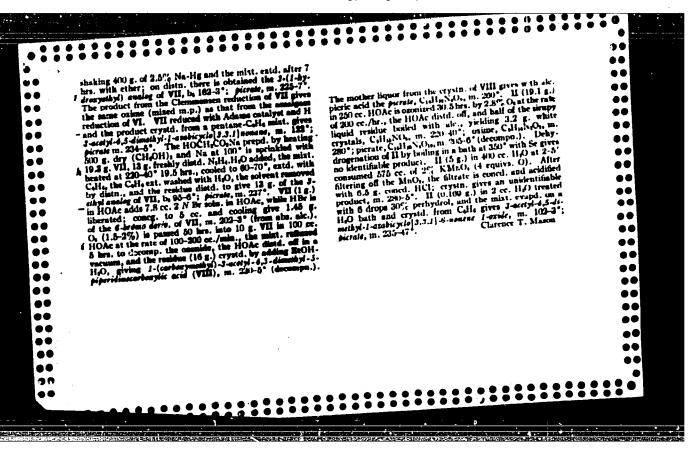
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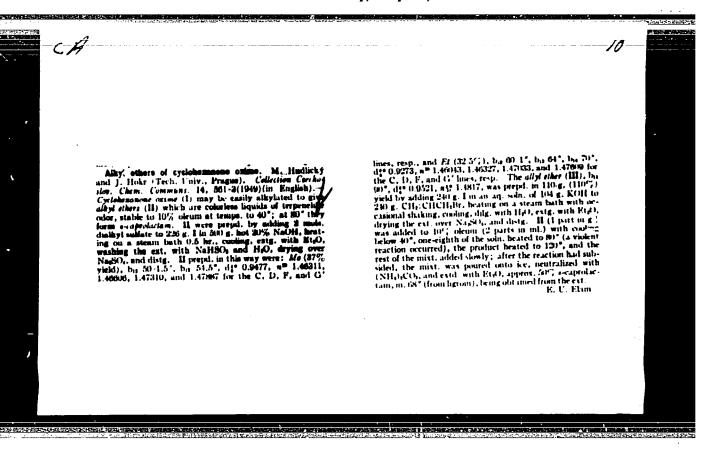
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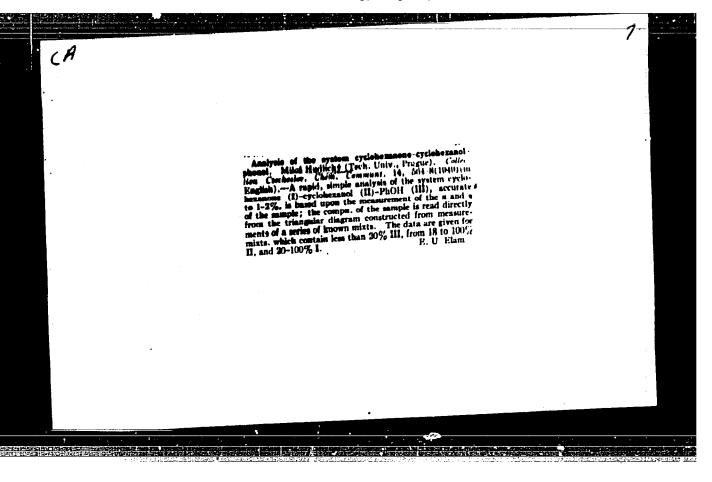


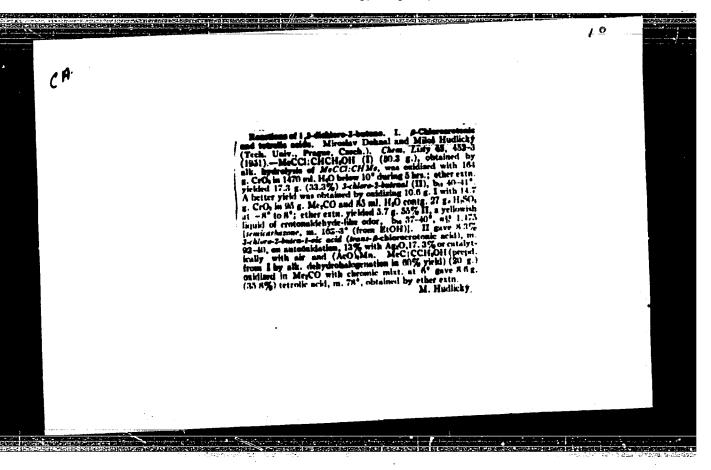


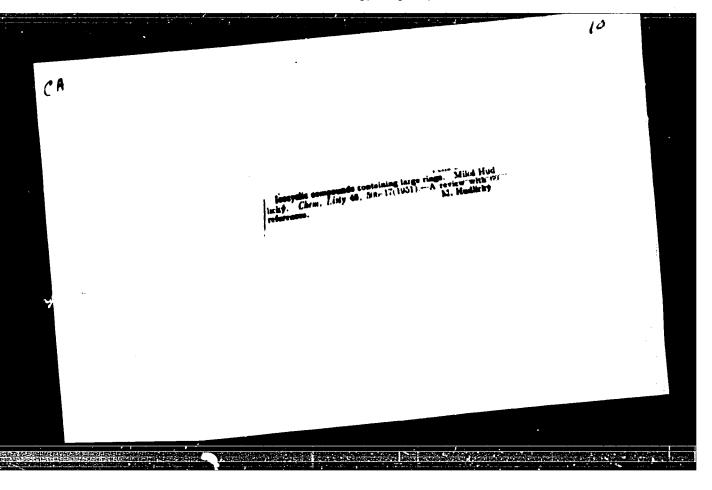
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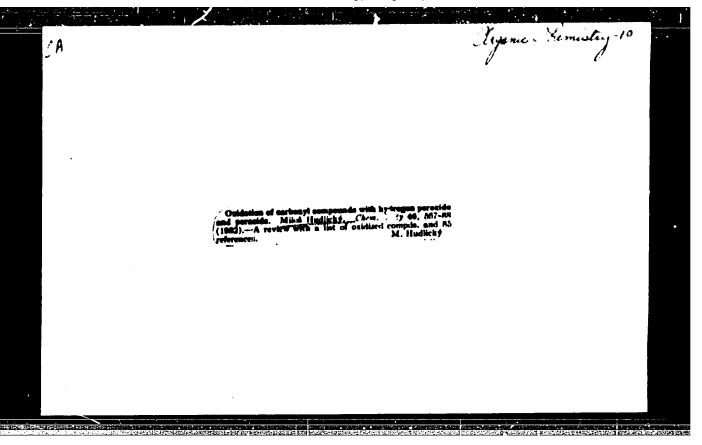
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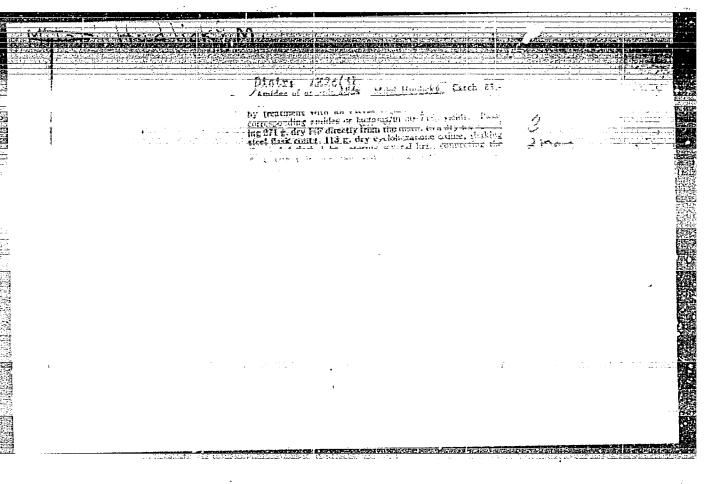




Hudlicky, Milos	Personal Control of the Control of t
	
	Kudlicky, Milos, and Trajanak, Jan: Preparativni scakce v organitické chemit. Dil I. Prague: Nakiadatelství čerko- slovenske akod, věd. 1931. 481 pp.
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	. Keil, B., Protiva, M., Hudlicky, stry Laboratory Techniques. Publ 86. Reviewed in Chem. Listy49, 14		is.
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Hudlicky, Milor: Preparative Reactions in Organic Chemistry, Part 11. Bablishing House of the Czech Academy of Sciences. 1955. 565pp.			3
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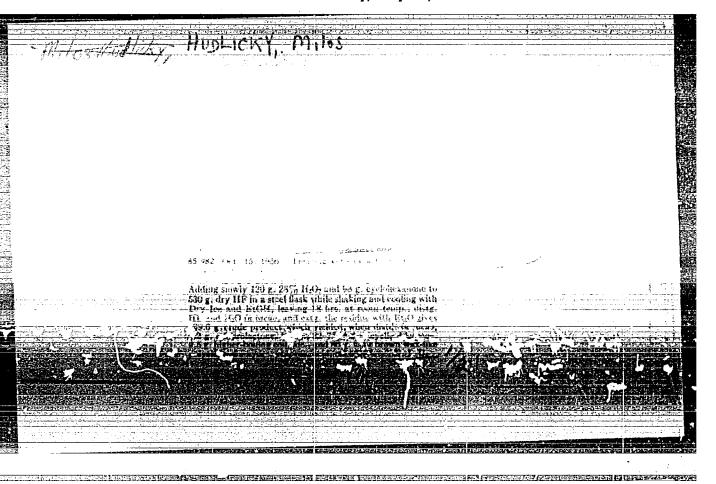
HUDLICKY, MILOS

p.381 (Praha, Czechoslavakia)

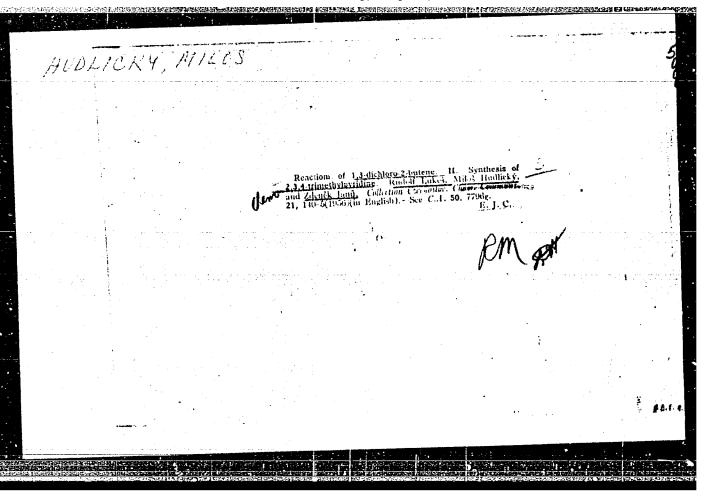
Monthly Index of East European Accession (EEAI) LC, Vol. 7, No. 8, August 1958

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ひょうえん とりわ

Czechoslovakia/Organic Chemistry - Synthetic Organic Chemistry, E-2

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 900

Author: Lukes, R., Hudlicky, M., and Janu, Z.

Institution: None

Title: Reactions of 1,3-dichloro-2-butene. II. Synthesis of 2,3,4-tri-

methylpyridine

Original

Chem. listy, 1956, Vol 50, No 2, 258-263 (published in Czech); Sb. Periodical:

chekhosl. khim. rabot, 1956, Vol 21, No 1, 140-145 (published in

English with a Russian summary,

Abstract: The action of benzylamine (I) on 1,3-dichloro-2-butene (II) yields

bis-(r-chlorocrotyl)-benzylamine (III). Treatment of the latter with concentrated H2SO4 leads to the evolution of HCl and the formation of N-benzyl-3-acetyl-4-methyl-1,2,5,6-tetrahydropyridine (IV). Distillation of IV at ordinary pressures causes decomposition with the formation of 2,3,4-trimethylpyridine (V) and toluene; distillation of the hydrochloride of IV likewise yields V, with the additional formation

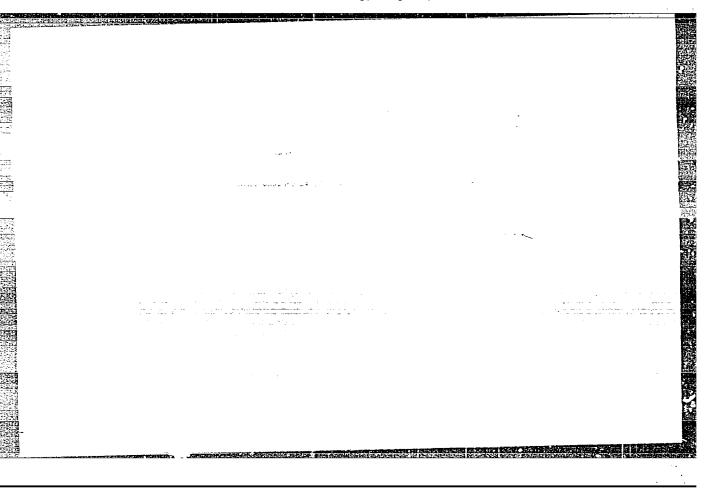
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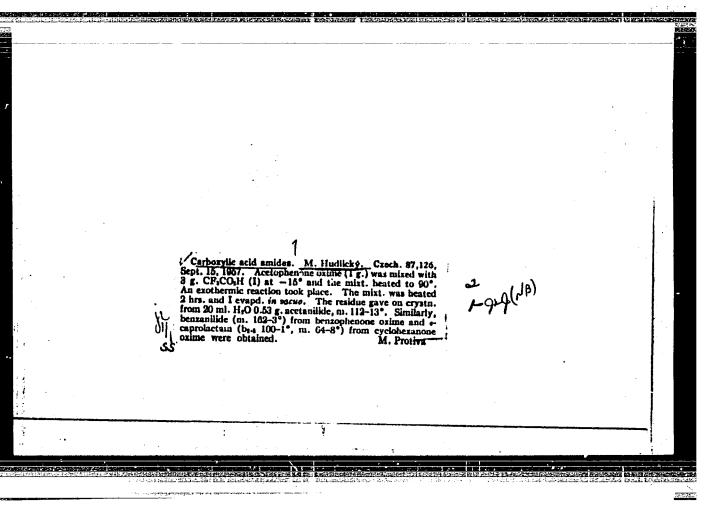
Czechoslovakia/Organic Chemistry - Synthetic Organic Chemistry, E-2

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 900

Abstract: of benzylchloride. Similar cleavages followed by rearrangement have been described previously (V. Prelog et al, Helv. chim. acta, 1942, 25, 1654). To one mole of I in 360 ml of water with 3 moles of NaOH add 2 moles of II (20 minutes at 420); raise the temperature to 980 for 3.5 hours and stir 4.5 hours. At that temperature III is obtained in yields of 67%, bp 123.5-133.50/1.2-1.7 mm; the picrate, mp 132-1330 (from alcohol), is also formed. Add dropwise 0.5 moles of III to 150 ml of 96% $\rm H_2SO_{l_1}$ at $80^{\rm o}$, heat while passing a stream of air through the solution (to remove HCl) for 6 hours, pour over ice, make the solution alkaline, and remove C6H6; IV is recovered as the picrate in yields of 29.5%, mp 146-146.20 (from alcohol). IV is obtained from the picrate, bp 1310/0.2 mm, ng0 1.5519, dg0 1.0492, MR_D 69.82. Distillation of IV at 115-4000 gives V in yields of 34%, bp 188.5-189.50/740 mm, ng0 1.5151, ng2.7 1.5138, dg00.9543 (ng markedly decreases during prolonged content of V longed contact of V with air because of the high hygroscopicity of V; this explains the divergences in the physical constants given in the literature). V is obtained in 47-6% yields by the distillation of IV with 3% HCl (gas) and in 65.2% yields from the distillation of the hydrochloride of IV; in the latter case the picrate is also formed,

Card 2/3 כוכ שושט





HUDLICKY, MILOS

CZECHOSLOVAKIA/Organic Chemistry - Synthetic Organic Chemistry. G-2

Ref Zhur - Khimiya, No 8, 1958, 25059 Abs Jour

Author Hudlicky Milos

Inst Reactions of 1,3-Dichloro-2-Butene. IV. Reaction with Title

Grignard Reagents.

: Chem. listy, 1957, 51, No 2, 336-340; Sb. chekhosl. khim. rabot, 1957, 22, No 2, 577-582 Orig Pub

1,3-dichloro-butene-2 (I) reacts with RMgX through the Cl Abstract

atom in allylic position, to form chlorolefins

RCH₂CH²CClCH₃ (II) $[R = C_4H \neq (a), n-C_4H_{/3}(b), C_4H_5(c)]$ and C, H, CH , (d); Ha-c yield with concentrated H, SO. methyl ketons R(CH_d) COCH₃ (III), while IId -- a mixture of methyl naphthalene and methyl tetralin. Boiling of ether solution of AMgX (from 1 mole Mg and 1 mole RX) with 1 mole I gives II (RX, reaction duration in hours, yield of II in %, BP in OC/mm, nD (temperature in OC):

Card 1/2

G-2 CZECHOSLOVAKIA/Organic Chemistry - Synthetic Organic Chemistry,

: Ref Zhur - Khimiya, No 8, 1958, 25059 Abs Jour

> C.H. R., 3, 13, 83-92/50, 1.4434 (18); C.H., Br., 6, 17, 91.5-97/14.5 (solution of RMgX added to boiling I; IIb contains admixture of n-C, H, H, C, H, Br, 6.5, 19, 102-105/15, 1.5332 (20); C₄H₂CH₂Cl₂ 2, 38, 119-122/ 14.5, 1.5267 (20); d₁²⁰ 1.0259. 0.08-0.16 mole of II stirred at 25° with 50-100 ml 96% H₂SO₂, blowing a current of air through the mixture, to get III (R, duration of reaction in hours, yield in \$): a, 18.72; b, 3, 38; c, 1.5, 53.
> Communication III see RZhKhim, 1957, 60466.

Card 2/2

HUDLICKY, M.

.CZECHOSLOVAKIA/Organic Chemistry. Synthetic Organic Chemistry. G-2

Abs Jour: Referat Zhur-Khimiya, No 4, 1958, 11247

Author : Hudlicky, M.

Inst: The Beckmann Rearrangement in Trifluoroacetic Acid

Orig Pub: AChem. Listy, 51, No 3, 470-473 (1957) (in Czech)

Abstract: It has been established that CF₃COOH (I) is both a catalyst and a solvent for the Beckmann rearrangement of acetophenone oxime (II), benzophenone oxime (III), and cyclohexanone oxime (IV) and of the corresponding amides. For a concentration of IV in I of 39.5% at temperatures of 75, 87.5, and 99° the following values have been obtained for the reaction rate constant: 0.00067, 0.0035, and 0.14; for a concentration of 20.2%: 0.0051, 0.013, and 0.036; for a concentration of 11.0%: 0.012, 0.025, and 0.18. The re-

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CIA-RDP86-00513R00051831

CZECHOSLOVAKIA/Organic Chemistry. Synthetic Organic Chemistry. G-2 Abs Jour: Referat Zhur-Khimiya, No 4, 1958, 11297

action appears to be first order and the velocity decreases with increasing concentration. II is dissolved in molten I, refluxed 2 hrs, yield 53% acetanilide, mp 112-113 (80%, of the I is recovered). By a similar procedure III yields of the I is recovered). By a similar procedure III yields benzanilide, mp 162-163°. \(\xi\) -caprolactam by 100-101°/2.5 mm, mp 64-68° is obtained by a similar procedure from IV in yields of 62.5%.

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9

G-2

HUDLICKY, M.

CZECHOSLOVAKIA/Organic Chemistry. Synthetic Organic Chemistry.

Abs Jour: Ref. Zhur.-Khimiya, No II, 1958; 36284.

Author : Jarkovsky Pesata, Hudlicky M.

Inst : Not given.

Title : Reactions in the Anhydrous HF. III. Synthesis of

Dichlorodifuoromethane.

Orig Pub: Chem. listy, 1957, 51, No 4, 625-632.

Abstract: Synthesis of CCl2F2 from CCl4 and HF was investigated.

Small quantities of SO, and water do not hinder this reaction. Catalytic activity of SbCl5 rapidly decreases in the presence of CS, which reduces it to SbCl3. As the result of that, when using technical grade CCl4, small amount of Cl2 should be added. It is recommended to employ 0.08 mols of catalyst for I mol of CCl4, 10-20% excess HF, and maintenance of temperature at 100-120°C.

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CZECHOSLOVAKIA/Organic Chemistry. Synthetic Organic Chemistry. G22

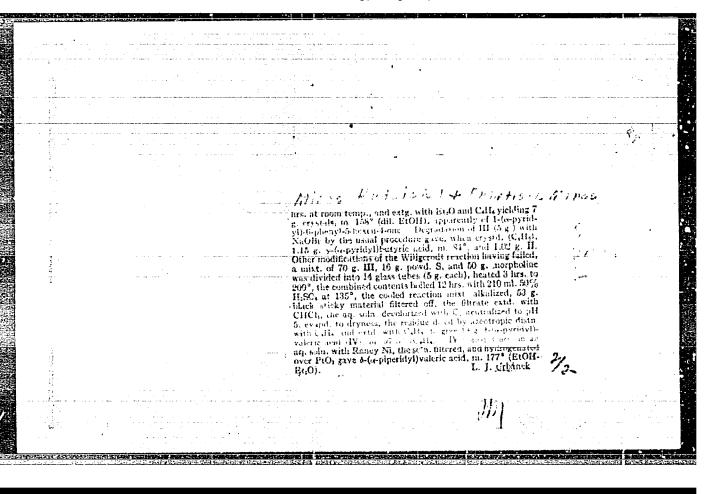
Abs Jour: Ref. Zhur.-Khimiya, No II, 1958, 36284.

A test run conducted (that involved preparation of 6.25 mols of product) extended for approx. 16 hours. During its course were used 150 gr. SbCl5, 1020 gr. CCl4, and 300 gr. anhydrous HF. The reactants were gradually brought up to 100-120 C as pressure was raised up to 30 atmospheres (1-2 hours). The gaseous products were condensed. Yield of CCl2F2 was 93% and of CCl3F was 2%. For part II refer to Chem. listy, 1952, 46, 92.

Card : 2/2

CZECHOSLOVAKIA/Organic Chemistry. Synthetic Organic Chemistry. G-2 Abs Jour: Ref Zhur-Khim., No 13, 1958, 43446. amounts of catalyst increase the formation of CHF: Under the above stated conditions there are formed 3.1% of CHCl.F, BP 9-10. V. Preparation of CaClify (I) in the usual equipment (see preceding communication) is difficult due to insolubility of C1Cl6 in HF. The reaction can be effected by increasing the amount of SbCl, which acts as a solvent (0.56 mole per 1 mole C₁Cl₂). The optimum ratio HF:C₁Cl₂ is 4, temperature 150°, pressure 20 atmospheres, duration 16-25 hours. Yield of I 84.8%, together with 4.4% C2Cl4F4 and 2.2% C2Cl4F2. : 2/2 Card

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	Distr: 4=2d/4E2e(J).,		
	Reactions of 1,3-dichlero 2-butene V Preparation of none pyridylalkanet athoxylic acids A lost Hudlink's and Frantisk March Then Univ. Prague. Chem 1879 51, 1879 0, 1957. Ch. 24 1 24 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5,1	/
arayay kan kalangaya a kalangan angan kanan kanan da ana ka lanan da lanan da lanan da lanan da lanan da lanan	(C.11). Treating 102 g. I with 100 cal. 21 C.11, S. 1 c.00 m. (d) hrs. while stirring and passing through a stream of air,		
	pointing the product on ice, neutralizing with NaOII, sepg. the org. layer, extg. the aq. layer with CHCh, and distg. the		
	CHCh layer gave 131.9 g. 1-(a-pyrklyl)-4-pentanone (III), b. 124-31°, att 1.5681; picrate, m. (10.5-11° (EtOH),	••	
	characterized by condemation (5 g. III) with 3.8 g. BzII by stirring in 12 ml. EtOH, 4 ml. H ₂ O, and 3 ml. 10% NaOII 39	2.	
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HUDLICKY M.

CZECHOSLOVAKIA/Organic Chemistry. Synthetic Organic

Chemistry.

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 74110.

Author : A. Posta, M. Hudlicky.

Inst

: Reactions in Anhydrous Hydrogen Fluoride. IV. Title

Preparation of Difluorochloromethane.

Orig Pub: Collect. Czechosl. chem. communs, 1958, 23, No 3,

535-537, 537-539.

Abstract: See RZhKhim, 1958, 43446.

Card : 1/1

// APPROVED FOR RELEASE: Thursday, July 27, 2000___CIA-RDP86-00513R0005

HUDLICKY, M.; MARES, F.

"Reactions of 1,3-dichloro-2-butene" V. Preparation of some pyridyl substituted fatty acids. In English. p. 46.

COLLECTION OF CZECHOSLOVAK CHEMICAL CGAMUNICATIONS, Praha, Czechoslovakia, Vol. 24, No. 1, Jan. 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 6, Sept. 59 Unclassified

06620

AUTHOR: Hudlicky M.

CZECH/8-53-1-16/20

TITLE:

Conference on the Chemistry of Fluorine

PERIODICAL: Chemicke listy, 1959, Tol 53, Nr l. pp 51 - 52

ABSTRACT: A conference on the chemistry of fluorine took place in Pague during June, 1958, at which thirty papers were presented. They were parly reviews and partly original reports. Original work has been or will be published in the following journals: Collection, Chemické průmysl,

Chemické zvesti and other journals.

(n.b. A report on the conference is given in this journal and the reviews will be published in its further

The Czechoslovak Chemical Society, Czechoslovak Ac.Sc., arranged on June 9 and 10, 1958, a national conference on the chemistry of fluorine. The aim of the conference was to make publically available information on the present state, nationally and internationally, of the chemistry of fluorine, as well as to evaluate the results obtained in Czechoslovakia in this field and coordinate

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06620 CZECH/8-53-1-16/20

Conference on the Chemistry of Fluorine

work in individual centres and to give new incentives for research and technology. The conference began in the large lecture theatre of the Faculty of Chemical Technology (Technical University), Prague. It was opened by the introductory remarks of Academician Lukes and the conference programme was divided into four sections. The first half-day session was devoted to lectures on the basic raw materials for fluorine chemistry. The lecture of J. Kaspar (Faculty of Chemical Technology, Prague) contained concrete information on the occurrence of fluorite. The lectures of E. Dobias and J. Spurný (Faculty of Chemical Technology, Prague) and of J. Kocourek (Institute of Ore Research, Prague) reported on the preparation of fluoritic ores by flotation. A lecture by M. Odehenal (Faculty of Natural Sciences, Masaryk University, Brno) dealt with the winning of fluorosilicates during the production of citrophosphate. The second half-day session was made up of lectures in the field of inorganic chemistry.

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CZECH/8-53-1-16/20

Conference on the Chemistry of Fluorine

J. Suchard (Corporation for Chemical and Metallurgical Production, Ústi nad Labem) reviewed work performed by the Corporation in the production of hydrogen fluoride, cryolite, fluorosilicate and inorganic fluoride; his lecture was supplemented by detailed information on the production of hydrofluoric acid (S. Vondruš, the Corporation); chemically pure fluorides (V. Tyl, the Corporation) and fluorosilicates (J. Dubišar, the Corporation).

K. Matiasovský (Slovak Academy of Sciences, Bratislava) delivered a very detailed lecture on the production of elemental fluorine and the difficulties involved.

V. Machatek (Institute of Nuclear Physics, Czechoslovak Ac.Sc., Prague) presented a paper on the preparation of uranium fluorides.

Two further lectures dealt with health questions.

J. Marhold (Institute for Organic Synthesis Research, Pardubice-Rybitví) drew attention to the dangers of

Card3/7

06620 CZECH/8-53-1-16/20

Conference on the Chemistry of Fluorine (Institute for Stomatelegical Research, Prague) fluorine and its compounds and J. Ruzicka/spoke on the significance of fluorine in dental medicine. The analytical section was inaugurated by the review given by J. Vrestal (Antonin Zapotocký Military Technological Academy, Brno) on the analytical determination of inorganic fluorides. Reports on original work dealt with the determination of water in high percentage hydrogen fluoride (K. Otto, M. Uhlír, Institute for Research in Macromolecular Chemistry, Brno); pyroanalytic estimation of fluorine (K. Zubec, the Association), spectrographic determination of fluorine in silicates (A. Spačková -Stodolová, Central Geological Institute, Prague) and the determination of fluorides in the atmosphere during the welding of basic electrodes (L. Hanslian, Regional Station for Hygiene and Epidemiology, Olomouc). Methods for the analytical determination of fluorine in organic materials were summarised in the review given by K. Otto (Institute for Research in Macromolecular Chemistry,

The work of J. Horack and J. Körbl (Czechoslovak Ac.Sc. Card4/7

06620 CZECH/8-53-1-16/20

Conference on the Chemistry of Fluorine

STATE OF THE PROPERTY OF THE P

and Institute for Pharmaceutical and Biochemical Research, Prague) dealt with the determination of carbon and hydrogen in organic compounds containing fluorine. The subject dealt with in the work of J. Janák and J. Novák (Laboratory for Gas Analysis, Czechoslovak Ac.Sc., Brno) and of V Pokorny (Institute for Research in Macromolecular Chemistry, Brno) was the chromatographic analysis of gaseous organo-fluorine derivatives.

The fourth half-day programme, the richest one, was occupied by papers on organo-fluorine compounds.

M. Hudlický (now of the Faculty of Chemical Technology, Technical University, Prague) spoke on the mode of introduction of fluorine into organic compounds, on the preparation of the main types of organofluorine derivatives and on the applications of fluorinated compounds.

The subject of V. Reinöhl's (Institute for Research in Macromolecular Chemistry, Brno) paper concerned the technological methods of production of the most important refrigerants (freens) and their application.

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06620

CZECH/8-53-1-16/20 Conference on the Chemistry of Fluorine

The lectures of J. Zdražil (Institute of Research in Macromolecular Chemistry, Brno) and of M. Lazar and R. Rado (Institute for Cable and Insulator Research, Bratislava) considered the preparation and properties of fluorinated polymers (teflon, teflex and copolymers). The paper of M. Hudlický (Faculty of Chemical Technology, Technical University, Prague) dealt with the use of fluoroderivatives as media for and catalysts in various organic reactions. D. Ambros and J. Rovner (Institute for Research in Macromolecular Chemistry, Brno) presented a communication dealing with the auto-oxidation of trifluorochloroethylene, the crystallisation of its polymers and the determination of its molecular weight. It is estimated that 70-80 chemists participated in the conference, among whom was a celebrated guest, Professor A.L. Henne, the discoverer of freon, from Ohio State University, USA. The conference showed that the chemistry of fluorine, a

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06620

CZECH/8-53-1-16/20

Conference on the Chemistry of Fluorine

not very ancient field of study, is being fostered in quite a number of Cech laboratories and a number of modest but valuable results have been produced, as evidenced by the number of papers published in Czechoslovak chemical journals (see the bibliography on pp 52-53). It is necessary to support to the utmost the development of this branch of studies so that the may oventually be able to reduce the 10-25-year lead which the advanced industrial states have.

Card7/7

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R0005

HUDLICKY, M. "Fluorine compounds as catalysts and reagents in chemical reactions"

Chemicke Listy. Praha, Czechoslovakia. Vol. 53, no. 3, mar 1959

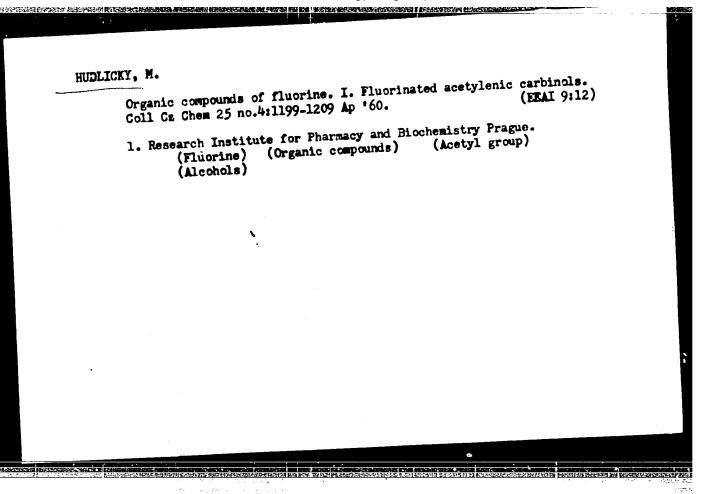
Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 7, July 59, Unclas

HUDLICKY, M.

Organic fluorine compounds

Chemicke Listy. Praha, Czechoslovakia. Vol. 53, no. 3, Mar 1959

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 7, July 59, Jnclas



PHASE I BOOK EXPLOITATION

SOV/5889

Hudlicky, Milos

Khimiya organicheskikh soyedineniy ftora (The Chemistry of Organic Fluorine Compounds) Moscow, Goskhimizdat, 1961. 372 p. Errata slip inserted. 6500 copies printed.

Translated from the Czech by Yu. I. Vaynshteyn.

Ed. (Title page): A. P. Sergeyev; Tech. Ed. V. F. Zazul'skaya

PURPOSE: This book is intended for organic chemists and for workers in the plastics industry and in establishments which produce or utilize refrigerants.

COVERAGE: The textbook is a comprehensive treatise on the chemistry of organic fluorine compounds. The basic information necessary for experimental work and laboratory techniques, which are in many cases unusual, are included, and the possibility of further development of the chemistry of organic fluorine compounds is discussed. Special interest is shown in fluorine

Card 1/4

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R000 SOV/5889

The Chemistry of Organic Fluorine Compounds

compounds which contain a considerable number of fluorine atoms in the molecule (polyfluoro and perfluoro derivatives, or polymers). These compounds are characterized by inertness and thermal and chemical stability, and are of theoretical interest because their behavior differ; from that of other halogen compounds. This emphasis is reinforced by the rather extensive formula and subject indices and the chapters on properties, toxicity, and applications of fluorine compounds. The author, who studied the chemistry of organic compounds at Ohio and Purdue Universities under a UNESCO grant, thanks persons in the U. S. who have assisted him. He further thanks his wife, A. Hudlicka, R. Lukesh and Vikhterle, Academicians, and Reynoyl', Engineer.

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Subject Index	
AVAILABLE: Library of Congress	
SUBJECT: Chemical Engineering	
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Card 4/4	-

HUDLICKY, M.

"Methods of organic chemistry. Vol. 4: Halogen compounds" by Houben and Weyl. Reviewed by M. Hudlicky. Coll Cs Chem 26 no.7:1899-1900 J1 '61.

(Chemistry, Organic) (Weyl) (Houben, Josef) (Halogen compounds)

FOR RELEASE: Thursday, July 27, 2000

HUDLICKY, M.

Organic compounds of fluorine. Part 3: Reaction of trifluoromethylalkyl ketones with acetylent. Coll Cz Chem 26 no.12:3140-3146 D '61.

1. Research Institute for Pharmacy and Biochemistry, Prague-

ROVED FOR RELEASE: Thursday, July 27, 2000

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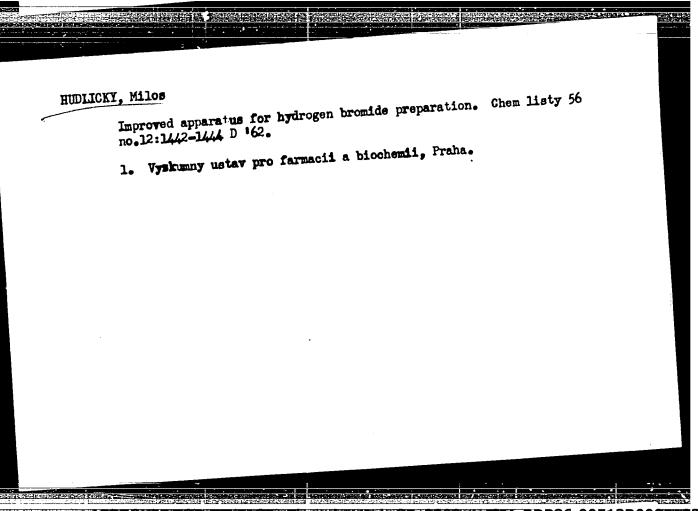
KAKAČ, B; HUDLICKÝ, M.

Czechoslovakia

Research Institute for Pharmacy and Biochemistry --Prague - (for all)

Prague, Collection of Czechoslovak Chemical Communications, No 11, 1962, pp 2616-2619

"Quantitative Determination of Fluothane and its Isomer by Means of Infrared Spectrophotometry." 31(



APPROVED FOR RELEASE: Thuisday, July 27, 2000 CIA-RDP86-00513R00051831(

KAKAC, B.; HUDLICKY, M.

Organic compounds of fluorine. Pt.7. Coll Cz Chem 30 no.3: 745-751 Mr 165.

1. Research Institute of Pharmacy and Biochemistry, Prague. Submitted February 25, 1964.

APPROVED FOR RELEASE: Thursday, July, 27, 2080 CZ/0008/64/ CZ/0008/64/000/012

L 65011-65 ACCESSION NR: AP5023335

Milos

TITLE: Progress in the chemistry of o ganic compounds of fluorine

SOURCE: Chemicke listy, no. 12, 1964, 1373-1395 TOPIC TAGS: fluorinated organic compound, fluorination, chemical engineering

ABSTRACT: Frogress in the field in the last 6 years is reviewed. Fluoridation agents are described, and methods of introducing Finto organic compounds are systuated. Reactions of organic Finto organic compounds are systuated. compounds are discussed; fluorinated organic agents and enalytical processes used in their determination are reviewed. Uses of organic fluorine compounds are described, and individual plastic materials based on those are discussed. The present-day

Card 1/2

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051831

	entered for Constructive Magnetic property, described the last described in the section of the s	
L 6501.1-65	3 1	
production of organic F compounds in Czechoslov production of organic F compounds in Czechoslov The main uses at present are as refrigerating ethylene in manufactured and polymerized into mamed "Teflex", and a F based narcotic named produced.	Narkotan" is also	
 Orig. art. has: 49 formulas, 1 graph. ASSOCIATION: Vyzkumny ustavy pro farmacii a biochemii, Pharmacology and Biochemistry)55	Prague (Institute of SUB CODE: OC. GC	
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CZECHO3LOVAKIA

HUDLICKY, M; KAKAC, B

Research Inditute for Pharmacy and Biochemistry, Prague - (for both)

Prague, Collection of Greehoalovak Charles Communications, Ro 3, March 1966, pp 1101-1112

*Organic compounds of fluorine. Part 10s The synthesis of δ -fluorenceleveine, δ -hydroxynericucine, alleisale-ucine, ω -hydroxyisaleucine, and δ -methylproline.



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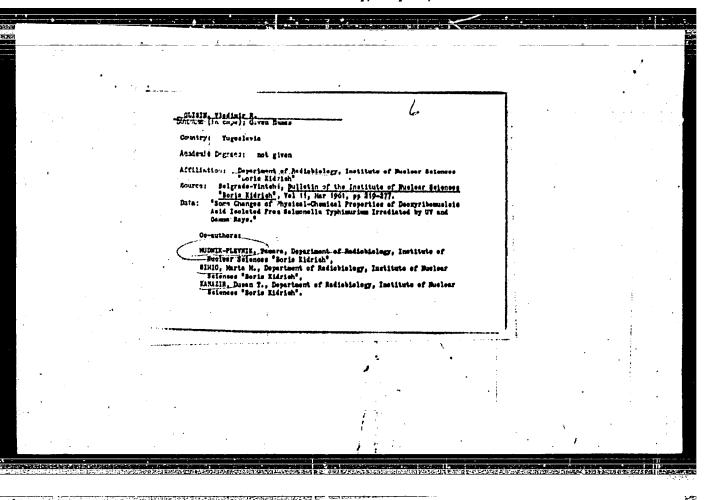
HUDLICKY, H; LEJEANCOVA, I

Reserved Institute for Instruoy and B ochie/litry. Pregue - (for both)

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"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051831



HUDNIK-PLEVNIK, Tamara; SIMIC, Marta M.

Quantitative changes in the base composition of DNA (desoxyribonucleic acid) extracted from Salmonella Typhimurium irradiated with ultraviolet rays. Bul Inst Nucl 11:231-233

1. Institute of Nuclear Sciences "Boris Kidrich," Department of Radiobiology, Vinca.

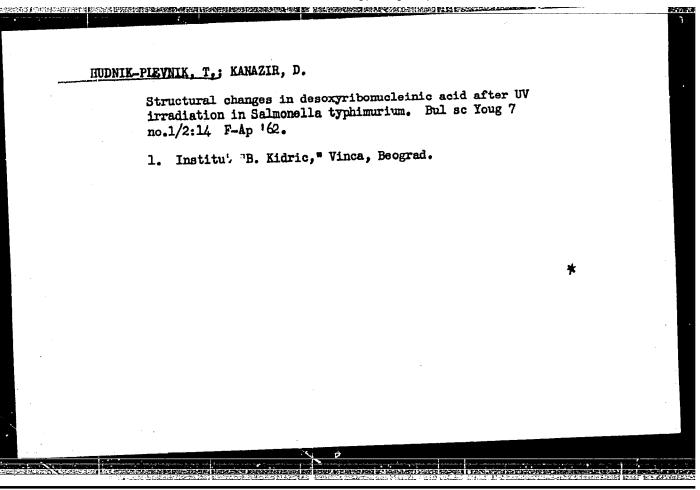
BECAREVIC, A.; HUDNIK-PLEVNIK, T.; GLISIN, V.; JANKOVAC, J.; KANAZIR, D.;

SIMIC, M.; RISTIC, G.

Labeling nucleic acids with isotopesand their use. Prim. radioaktiv.

120top. 2 no.3:80-83 D '61.

(PHOSPHORUS ISOTOPES).



HUDOLIN, Vladimir; HUDOLIN, Visnja

Complications following suboccipital myelogram performed with iodized oil. Srpski arh. celok. lek. 90 no.1:23-29 Ja 162.

1. Neurolosko-psihijatrijski odjel Opos bolnice "Dr Mladena Stojanovica" u Zagrebu Sef: dr Vladimir Hudolin.

(SPINAL CORD radiog) (IODIZED OILS toxicol)
(BRAIN dis)

HUDOLIN, V1.; PETROVCIC, F.

Diagnosis of tuberous sclerosis; two personal case reports.
Neuropsihijatrija 4 no.3-4:209-217 1956.

1. Is Neurolosko-psihijatrijskog odjela (predstojnik prof. dr.
J. Breitenfeld) i Rentgenskog zavoda (predstojnik prof. dr.
S. Kadrnka) Opce bolnice Dr. Ml. Stojanovica u Zagrebu.

(TUBENOUS SCLEMOSIS, diag.

(Ser))

```
HUDOLIN, Vl., Dr.; MUHEK-SIMUNEC, J.; BERNTENFELD, J., dr.

Psychiatry and clinical psychology. Lijec. vjes. 78-hb.11-12: 513-518 Nov-Dec 56.

1. Is Meuroloski-psichijatrijikog odjela Opce bolnice dr.

M. Stojanovica u Zagrebu.

(PSYCHIATRI,

relation to clin. psychol. (Ser))

(PSYCHOLOGY

relation to psychiatry of clin. psychol. (Ser))
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HUDOLIN, Vladimir Retinal changes in tuberous sclerosia. Neuropsihijatrija 8 no.1/2: 30-42 '60. 1. Iz Neurolosko-psihijatriskog odjela Opce bolnice dra M.Stojanovica u Zabregu (Sef odjela: Dr.Vladimir Hudolin) (TUBEROUS SCLEROSIS diag) (RETINA dis)

HUDOLIN, VI; RIESSNER, D.; KADRNKA, S.; KNEZEVIC, M.

Giant osteoma of the lamina cribrosa. (Contribution to the diagnosis of frontal lobe syndrome). Neuropsihijatrija 8 no.4:306-316 '60.

1. Iz Opce bolnice dra M. Stojanovica u Zagrebu: Neurolosko-psihijatrijski odjel (Sef: Dr. Vl. Hudolin) Kirurski odjel (Sef: Dr. D. Riessner) Zavod sa radiologiju (Sef: Dr. S. Kadrnka) Zavod sa patologiju (Sef: Dr. M. Knesevic).

(OSTECMA case reports) (FRONTAL BONE neopl)

HUDOLIN, Vladimir, Dr. Prevention of alcoholism, therapy and rehabilitation of alcoholics. Lijec vjes 82 no.6:473-483 '60. 1. Iz Neurolosko-psibijatrijskog odjela Opce bolnice "Dra M.Stojanovica" u Zagregu (ALCOHOLISM prev & control)

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051831

HUDOLIN, V1.; PRAZIC, B.; MUACEVIC, V.; BARAC, B.

Social problems in transvestitism. Neuropsihijatrija 9 no.1:54-62

'61.

1. Iz Neurolesko-psihijatrijskog odjela Opce bolnice "Dr. M. Stojanovica",
Zagreb (Sef: Dr. Vladimir Hudolin).

(SEX DEVIATION)

Prevention of alcoholism, therapy and rehabilitation of alcoholism (according to pneumoencephalographic examination of 147 cases). Med. glasn. 15 no.2/2a:76-80 F 161.

1. Neurolosko-psihijatrijski odjel Bolnice "Dr. M. Stojanovica" u Zagrebu. (Sef odjela: dr Vladimir Hudolin).

(ALCOHOLISM) (VENTRICULOGRAPHY)

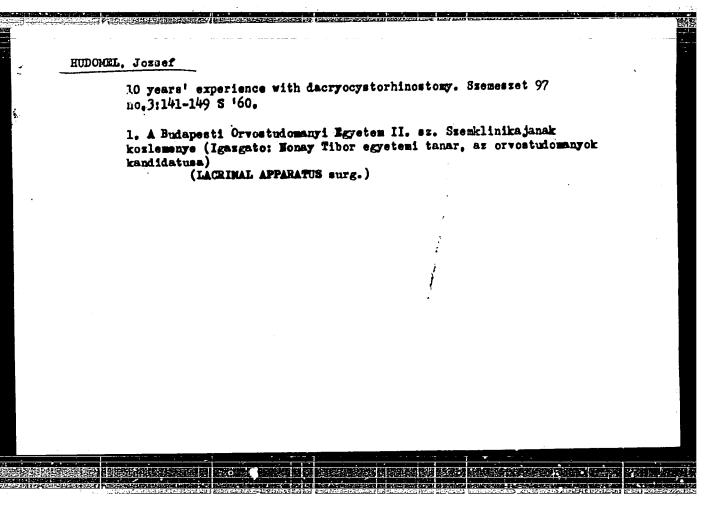
HUDOLIN, Vladimir; HUDOLIN, Visnja

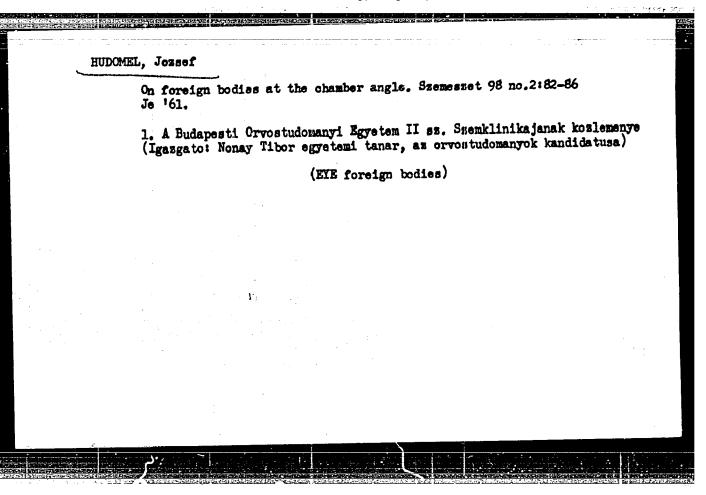
Complications following suboccipital myslogram performed with iodized oil. Srpski arh. celok. lek. 90 no.1:23-29 Ja '62.

1. Neurolosko-psihijatrijski odjel Opes belnice "Dr Mladena Stojanovica" u Zagrebu Sef: dr Vladimir Hudolin.

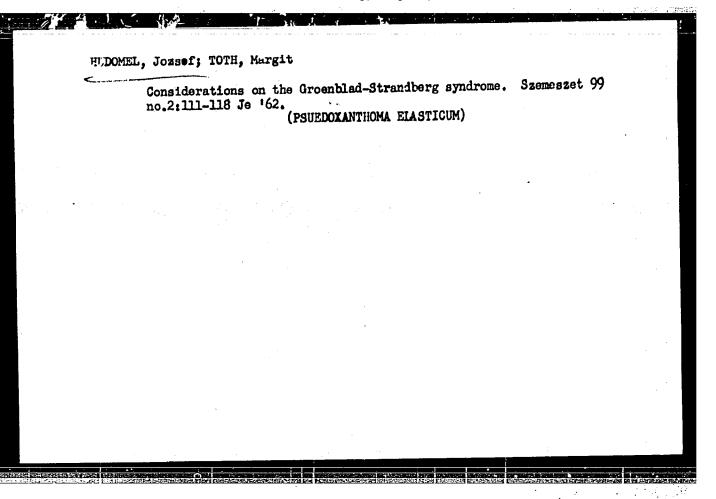
(SPINAL CORD radiog) (ICDIZED OILS toxicol)

(BRAIN dis)





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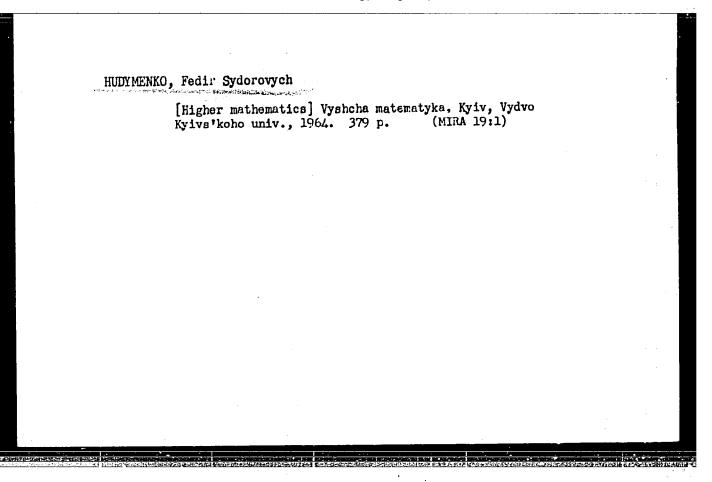
HUDOMEL, Jozsef

Abnormal course of a retinal vessel in the central fovea. Szemeszet. 99 no.3:166-169 S '62.

1. A Budapesti Orvostudomanyi Egyetem II. sz. Szemklinikajanak kozlemenye. (Igasgato: Nonay Tibor egyetemi tanar, as orvostudomanyok kandidatusa).

(RETINA blood supply)

I, 40866-56 ACC NR: AF6030195 SOURCE CODE: CZ/0017/66/055/004/0203/0210 AUTHOR: Huducek, Zdenko (Engineer) ORG: none TITIE: Opening time in mine networks with a non-grounded neutral point with regard to contact voltage SOURCE: Elektrotechnicky obzor, v. 55, no. 4, 1966, 203-210 TOPIC TAGS: electric capacitor, electric resistance On the basis of an energy criterion the ABSTRACT: article derives the limiting opening time of a low-voltage net-. work with a non-grounded neutral point upon contact with a human body. The limiting time is reduced to a function of four variables: the network voltage, the total leakage resistance of the network, the partial capacitances to ground, and the resistance of the human body. The influence of the individual variables on the limiting opening time also is analyzed. In conclusion, the necessary technical precautions also are given for the distribution of the high voltage (1000-3000 V). This paper was presented by Engineer M. Zapletal. Orig. art. has: 10 figures and 24 formulas. [Based on author's Eng. abst.] [JPRS: 36,811] SUB CODE: 09 / SUBM DATE: 100ct64, / SOV REF: 001 / OTH REF: 002 UDC: 621.316.1.04-78 LLB Card 1/1

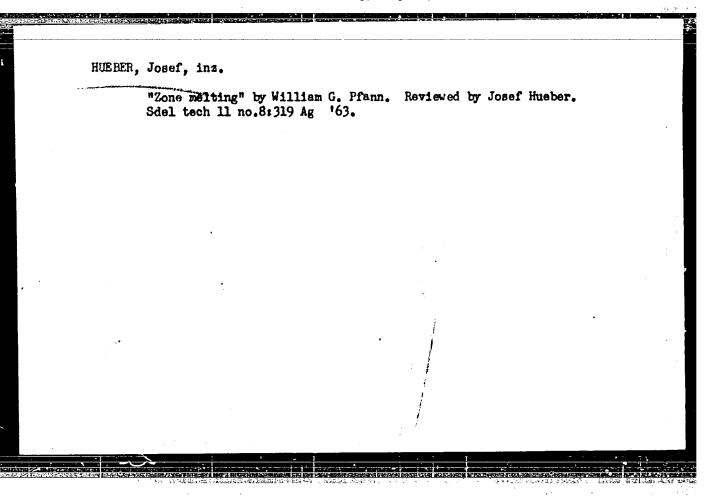


HUDZOVIC, Peter, inz.

Method of approximate determination of the excessive regulation and the duration of the regulation process in linear systems. Automatizace 8 no.1:18-19 Ja '65.

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HAVLIK, Otto; HUEBNER, Jiri

Results of serological investigation of toxoplasmosis in domestic and wild animals. Cesk.epidem.mikrob.imun. 9 no.5/6:391-397 J1 *60.

1. Ustav epidemiologie a sikrobiologie v Praze. (TOXOPLASMOSIS veterinary)

HUNGARY / Chemical Technology. Chemical Products and H-13

Their Application -- Ceramics. Glass. Binding Materials. Concrete

Abs Jour: Ref Zhur-Khimiya, No 3, 1959, 9063

Author : Huebscher, M.

: Not given Inst

: Foam Glass, Its Production and Use Title

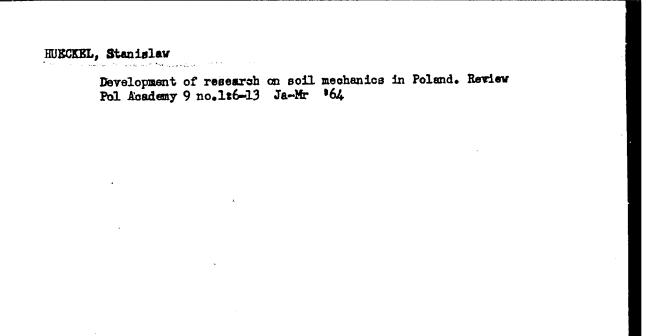
Orig Pub: Epitoanyag, 1958, 10, No 4-5, 109-112

Abstract: The methods of producing foam glass (FG) are indicated: 1) by introducing gasses into molten glass;

2) by introducing intense gas generators into molten glass; 3) by expanding bubbles under vacuum in the molten glass, which contains a large quantity of gases (unclear glass); 4) by mixing glass

Card 1/2

CIA-RDP86-00513R00051831(**APPROVED FOR RELEASE: Thursday, July 27, 2000**



HUECKEL, Stanislaw, prof. dr inz.

A conference on soil and foundation mechanics in Budapest.
Inz i bud 21 no.8:295-296, 3 of cover Ag '64.

1. Technical University, Gdansk.

HUECKEL, Stanislaw, prof.dr. inz.

The anchoring capacity of rigid horizontal elements sunk in sandy soil. Archiw hydrotech 7 no.3:297-314 *60. (EEAI 10:2)

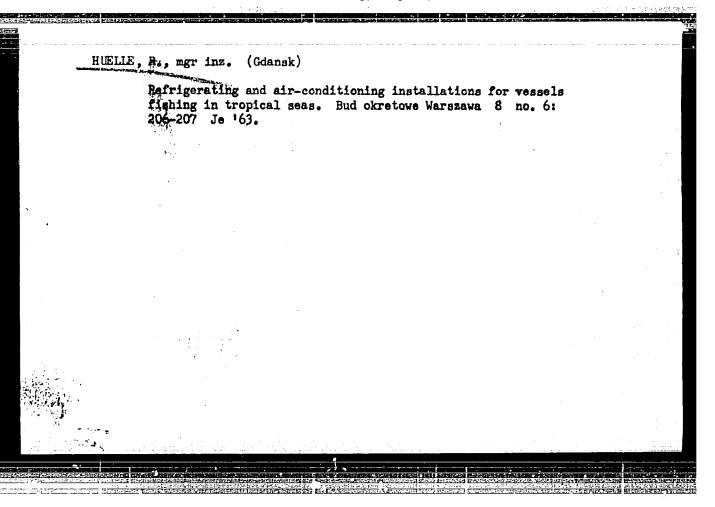
1. Katedra Fundamentowania Politechniki Cdanskiej, Cdansk-Wrzeszcz (Sand) (Soils) (Building)

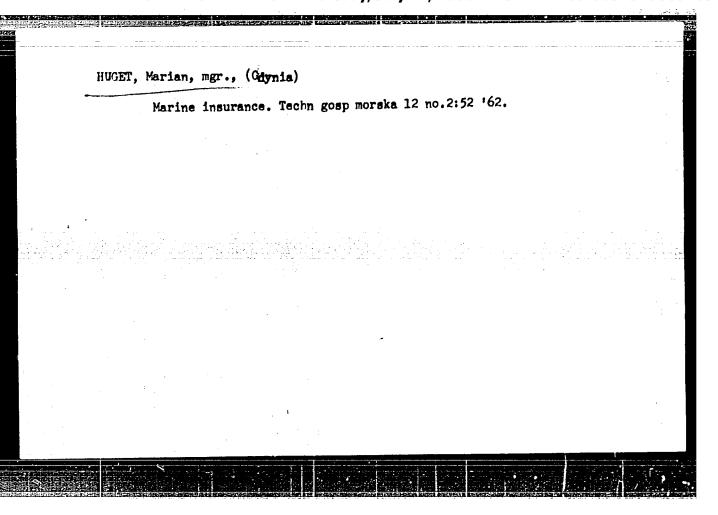
HUECKEL, Stanislaw, prof A brief review of the scientific research in the field of marine and harbor hydraulics in Poland, Vodoprivreda Jug 2 no.7/8:119-123 '59. (EELI 10:1) 1. Ecole Polytechnique de Gdansk (Pologne), et V-directeur de 1'Institut Hydrotechnique de 1'Academie Polonace des Sciences, Gdansk (Poland--Harbors) (Hydraulics) (Ships)

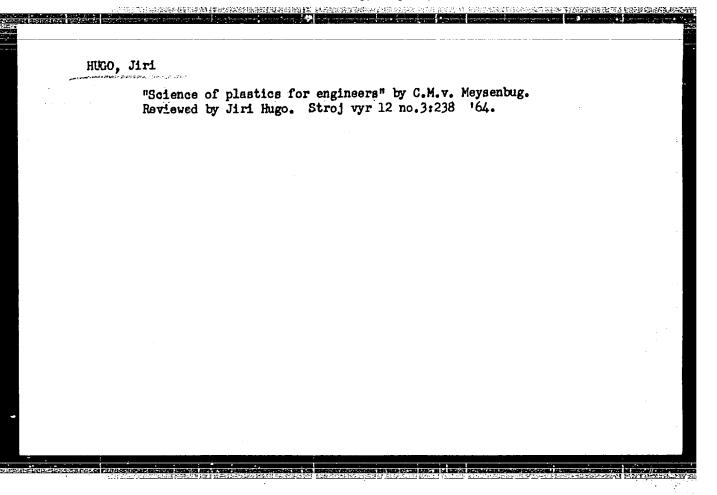
HUECKEL, Stanislaw

"Engineer's hydrology" by G. Remenieras. Reviewed by S. Hueckel. Archiw hydrotech 8 no.4:623-624 161.

1. Redaktor Naczelny kwartalnika "Archiwum Hydrotechniki".







HUGO, J.; JIROUS, M.

Rheology of hard polyvinyl chloride. Chem prum 14 no.2:81-86 $F^{1}64$.

1. Stati: Vyzkumny ustav materialy a technologie, Praha

CZECHOSLOVAKIA/Chemical Technology. Chemical Products H and Their Uses. Part IV. Synthetic Polymers. Plastics.

Abs Jour: Ref Zhur-Khimiya, No 15, 1958, 52090

Author : Hugo, Jiri

Title : Epoxy Resins for Low Current Electrical Applications.

Orig Pub: Slaboproudy obzor, 1956, 17, No 8, 447-452

Abstract: Cast epoxy compounds UPON 2100 B (I) and UPON 2200 S (II) were prepared in Czechoslovakia. I and II are relatively lew viscosity compositions, consisting of epoxy resins and a reactive solvent (monomeric substance containing a vinyl group).

Card : 1/4

APPROVED FOR RELEASE in Technology, Chanical Products H APPROVED FOR RELEASE in The Industry, Fully 2 to 2000 the Lie-RDP86-00513R00051 310 Polynors. Plastics.

Abs Jour : Ref Zhur-Khimiya, No 15, 1958, 52090

Curing of I (initial viscosity 300-500 cps) and of III (1000-1800 cps) was accomplished at 20-50°, using 8 percent of the curing agent and 0.4 percent of the accelerator. The process was distinctly exothernic. Introduction of a filler (quartz, sand or nica) increased the specific heat, at the same time decreasing heat accumulation inside the cured slab. Presented were chemical and physical and dielectric properties of I and II, cured at 20°. Specific impact strength of I and II was correspondingly 20 and 30 kg cm/cm². Static bending yield

Card : 2/4

CZECHOSLOV/KI//Chemical Technology. Chemical Products H and Their Uses. Part IV. Synthetic Polymers. Plastics.

Abs Jour: Ref Zhur-Khimiya, No 15, 1958, 52090

strength (kg/cn²) was 420 and 620. Ultimate compressive strength was 490 and 710, while ultimate tensile strength was 260 and 280 kg/cn². The modulus of elasticity was found to be 20,000 and 38,000 kg/cn². Brinell hardness (kg/m²) was approximately -16 for both resins, while Martons heat resistance was 520 and 570 and Vick's heat resistance was 700 and 780. Dielectic strength of the resins was 17.2 and 18.2 KV/mm (200), while surface resistance was 3.7 x 1012 and 4.2 x 1012 ohms, and 2.1 x 10" and 4 x 10" ohms after water immersion for 24 hours. I and II

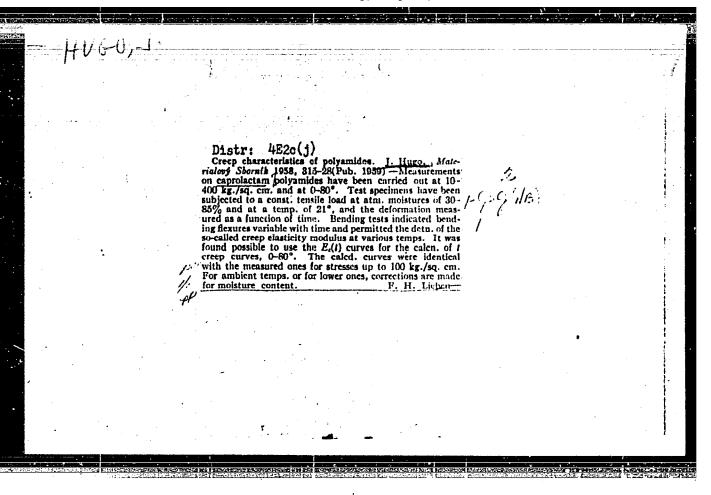
Card : 3/4

APPROVED FOR RELEASE The Technology, 1917; 27 20001 Technology, 27 20001

Abs Jour: Ref Zhur-Khiniya, No 15, 1958, 52090

shrink less upon curing than epoxy-polyester compounds. Cracks were not formed in cast I and II resins upon their subjection to heat cycling between -70 to 1200. -- L. Pesin

Card : 4/4



The machining of plastic. Jama angle opt 5 no.11.329-331 N :60.

1. Statni vyzkumny ustav materialu a technologie, Praha.

HUGO, J., inz.

Mechanical properties of construction plastics. Jemna nech opt 5 no.11:343-346 N 160.

1. Statni vyzkumny ustav materialu a technologie, Praha.

EWP(1) IJP(0) WW/RM L 08249-67 ACC NRI AP6033024

SOURCE CODE: CZ/0032/66/016/007/0551/0558

AUTHOR: Hugo, J. (Engineer); Jirous, M. (Engineer)

38 Ø

ORG: State Research Institute of Materials, Prague (Statni vyzkumny ustav materialu)

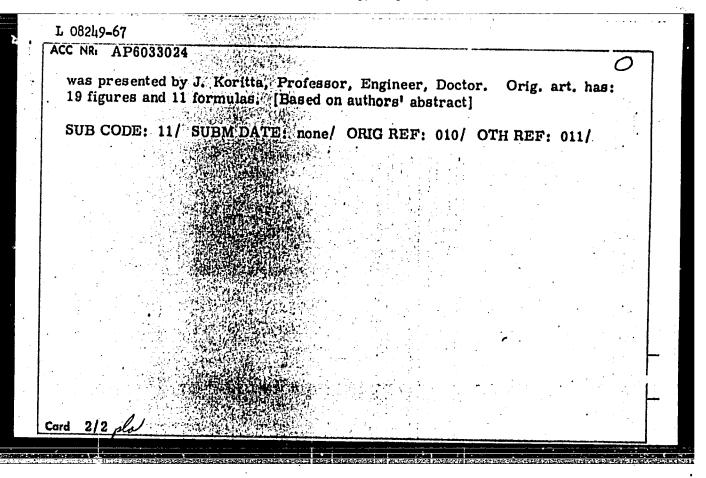
TITLE: Evaluation of tensile strength of plastic materials

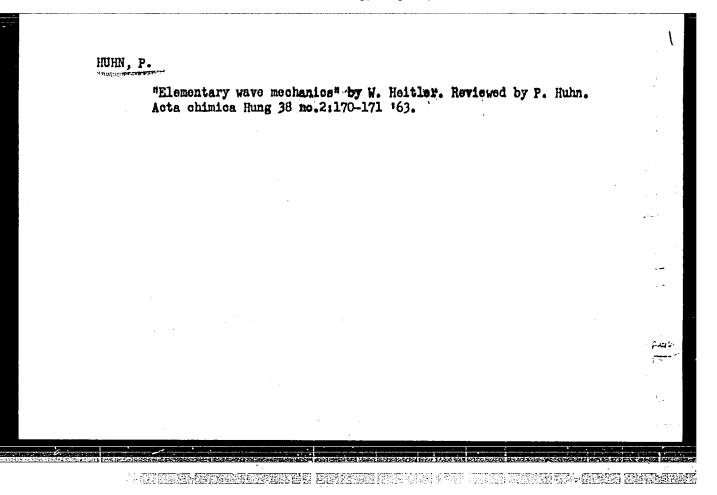
SOURCE: Strojirenstvi, v. 16, no. 7, 1966, 551-558

TOPIC TAGS: plastic, laminated plastic, polypropylene plastic, polyamide, polyvinyl chloride, epoxide, epoxy plastic, stress analysis, mechanical stress, static test

ABSTRACT: The methodology of testing and evaluating results of research on the strenght and behavior of plastic materials exposed to prolonged static stress is explained, and a survey of the results is presented. A group of polyamides, 5 polyvinyl-chlorides, polypropylene, and epoxy vitreous laminates, was tested. Semifinished products prepared by VUGPT Gottwaldov were used for the tests. The dependencies and values determined are presented in diagrams. The paper

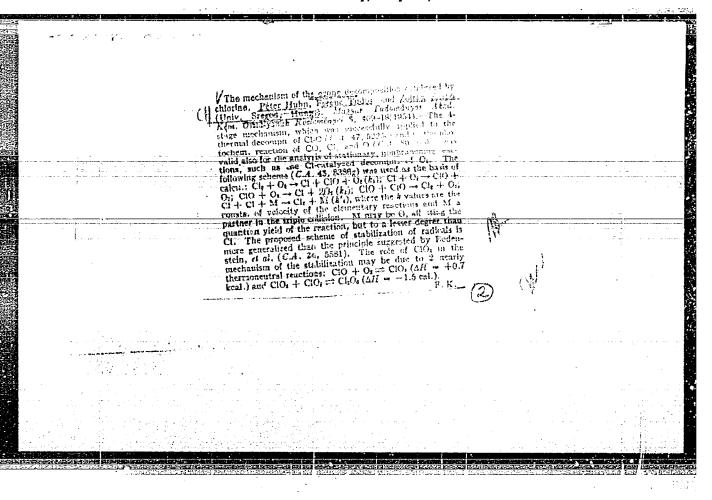
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HUHN, P.

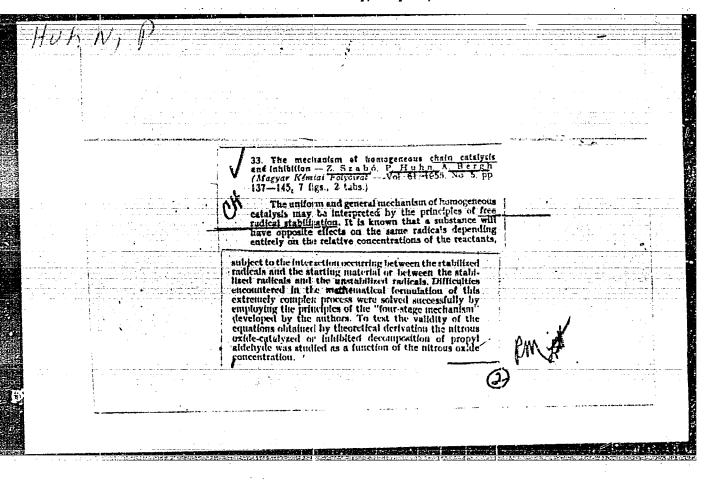
2. Approximative solution of differential anuations describing complex chemical processes. Outsaids helmid jolymanic alliquistical populariants habitis magnetical populariants. Plantage of the proposed process only the stop complex chemical reactions were investigated. Instead of simultaneously considering all the chemical processes, only the stop carning, the proposed process only the stop carning at the process only the stop carning at the process may be characterized by two differential equations: one relating to the conversion of the stering material and the other determining the rate of the change in the concentration of the active centres. If the rate constants of the elementary reactions are known, the typic prominentive numerical integration e. g. by the Ruler-Gauchy polygon method. If these constants are susheour, it is possible to find through trails a quarter of values by which the solution of the differential equations perseponds with the experimental data. D. Varrany



HUTIN			
		V 30 On the ententation of successive equilibria P. Hulin, M. Heek. (Magyar Keimar Felventut Vol. 61, 1954, No. 5, pp. 120-133, 9 tols.)	
	· · · · · · · · · · · · · · · · · · ·	A simple method is given for the determination of the free ligan) concentration when the total concentration of the free ligan) concentration when the total concentration of the central metal atom is known by further derivation of this equation a relationship is given for the calculation of the free ligand concentration corresponding to the isoelectric point by using conveniently measurable concentration data. By the interpretation of this equation it became evident that the isoelectric point is unattainable in a solution of an anto-complex without the addition of excess ligand. A quantity of the contral too is	
	•	heands equivalent to the familiar hound in the complex conspound at the isoselectric point and the existence of a fee ligand concentration is necessary to mainfain this state. The mathematical equations derived by theoretical considerations were applied to investigate the variations of the saft concentration or the commentation of long present by using City saits which are known for their disposition to form autocomplexes.	pmp
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HUHN P.

HUNGARY/Physical Chemistry. Kimetics. Combustion, Explosions. Topochemistry. Catalysis:

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 73279.

Author : T. Berces, P. Huhn

Inst Title

: On the Extension of the Concept of the Four Stage

Mechanism. I. General Considerations. II. Application

in the Analysis of an Experimental Kinetic Curve.

Orig Pub: Acta phys. et cham. Szeged, 1957, 3, No 1-4, 95-99;

100-111.

Abstract: I. The system of differential equations describing the concentration change of active centers (dn/dt) and initial substances for not-branched chain reactions, the chain carriers in which are 2 active centers converting one into the other in succession,

: 1/3 Card

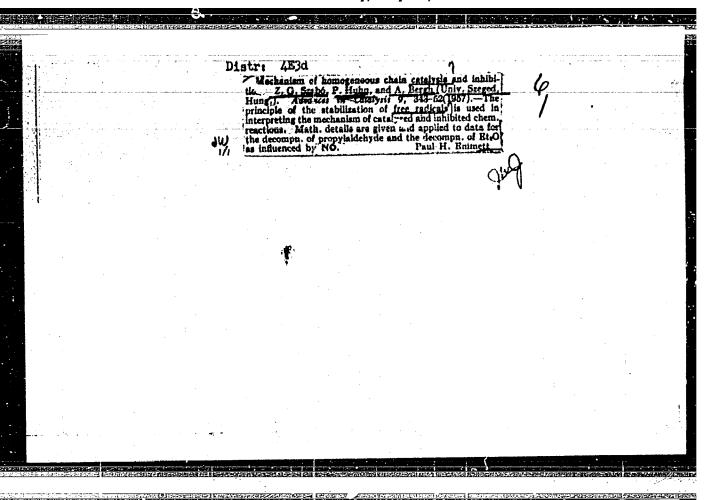
APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051 HUNGARY/Physical Chemistry. Kinetics. Commustion. Explosions. Topochemistry. Catalysis.

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 73279.

was reduced (assuming that the chains were long enough) to a system of equations (RZhKhim, 1956, 46376) for single center chain reactions proceeding according to the four stage mechanism; origination, continuation, branching and chain rupture. Expressions of dc/dt and dn/dt for the case of thermal decomposition of 80_2 Cl₂ (RZhKhim, 1958, 13796) proceeding through 2 active centers $\int_{-\infty}^{\infty} n = n_1 + n_2 = 1$ were obtained as an example. = (C1) + (80)C1)

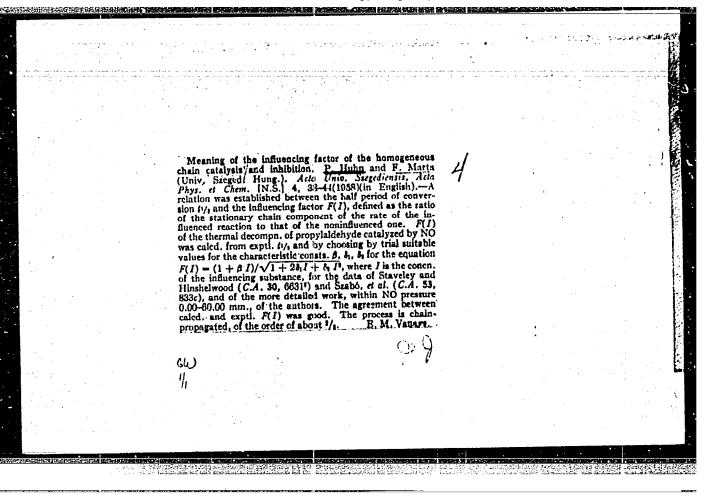
II. The system of differential equations describing the kindetics of the thermal decomposition of SO Cl. (see part I) was numerically integrated varying the rate constants of elementary stages as

Card : 2/3



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APPROVED FOR RELEASE: Thursday, July 27, 2000



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HUNGARY / Physical Chemistry. Thermodynamics. В Thermochemistry. Equilibris. Phase Changes. Physico-chemical Analysis. : Ref Zhur - Khimiya, No 12, 1959, No. 41548 Abs Jour Huhn, P.; Beck, M.T. Author Not given Inst : Some Mathematical Considerations of Title Successive Equilibria : Acta phys. et chem. Szeged, 1958, 4, Orig Pub No 1-2, 45-53 : From known equilibrium constants, the concentrations of /I - /, /Cd +2 /, /CdI + /, /CdI -2 / were calculated for molecular fractions of cadmium iodide in a 10 -3 to 1 M solution. Abstract Card 1/3

HUNGARY / Physical Chemistry. Thermodynamics. Thermochemistry. Equilibris. Phase Changes. Physico-chemical Analysis.

В

Abs Jour : Ref Zhur - Khimiya, No 12, 1959, No. 41548

Similar calculations were performed for cadmium bromide, cadmium chloride and cadmium thiocyanate solutions. The equilibrium constants for each stage of complex ion formation as well as isoelectric points of several cadmium complexes have been calculated. A method for the calculation of dissociation constants of polybasic acids (based on H measurements) has been proposed. The concentrations of H, the concentrations of the concentrations of H, the concentrations of the conce

Card 2/3

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APPROVED FOR RELEASE: Thursday, July 27, 2000
Thermochemistry, Thermodynamics.

CIA-RDP86-00513R00051

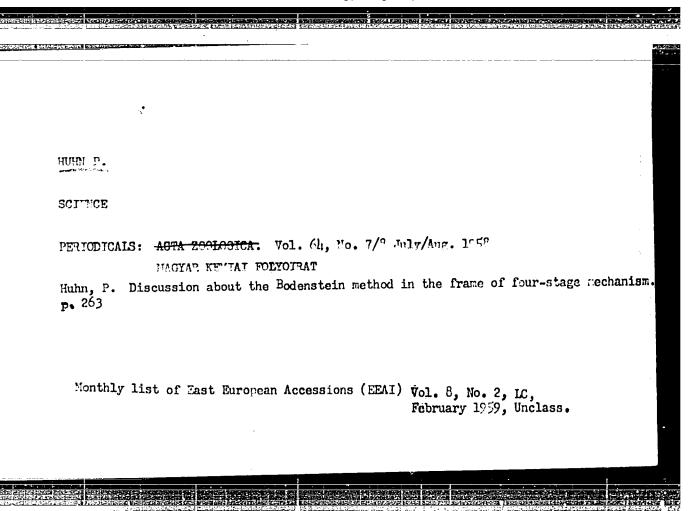
Thermochemistry. Equilibris. Phase Changes. Physico chemical Ahalysis.

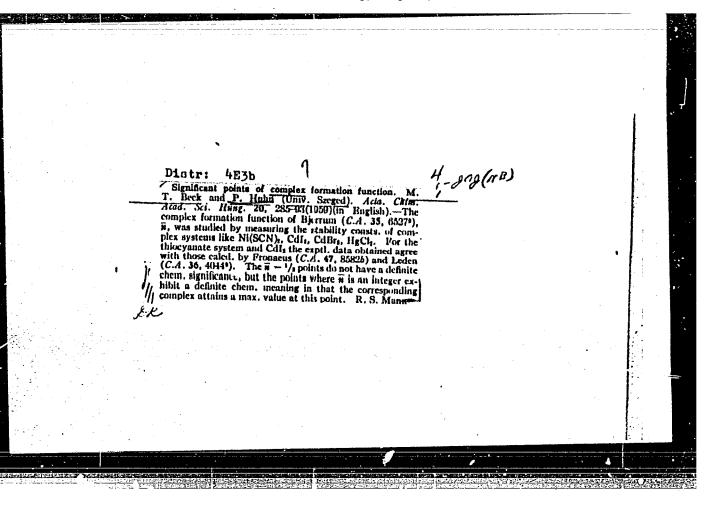
В

Abs Jour

: Ref Zhur - Khimiya, No 12, 1959, No. 41548

Finally, ion concentrations in the solutions of oxalic, citric and pyrophosphoric acids were established. The results were presented in tabular form.





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HUHN, Peter, a kemiai tudomanyok kandidatusa (Szeged)

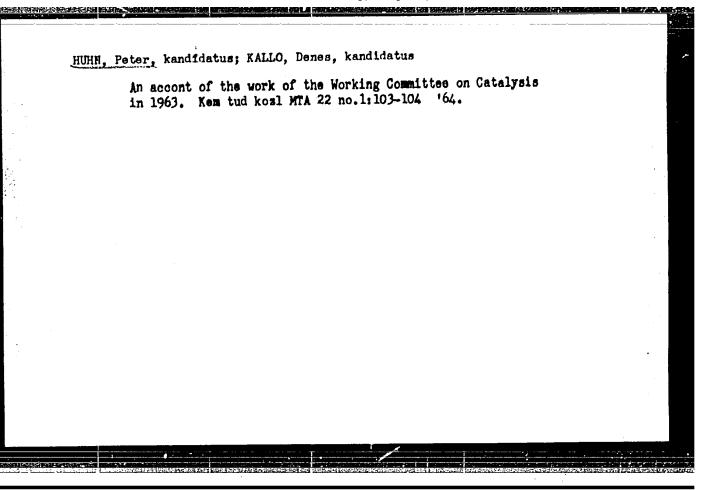
An account of my Moscow study trip. Kem tud kozl MTA 15 no.1:91-93
'61. (EEAI 10:6)

1. Szegedi Tudomanyegyetem Szervetlen es Analitikai Kemiai Tanszeke, Szeged.

(Russia--Chemistry, Physical and theoretical)

(Hungarians in Russia)

(Academy of Sciences of the U.S.S.R.)
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COMANESCU, T., ing.; HUMILEA, I., ing.; NITU, V., ing.

Considerations on the choice of the optimum tension utilisation for electric drives in the oil extraction industry. Petrol si gaze 14 no.9:448-456 8:63.