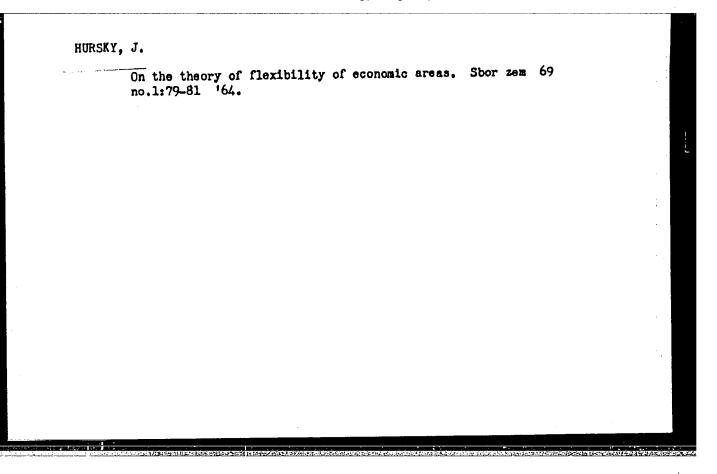
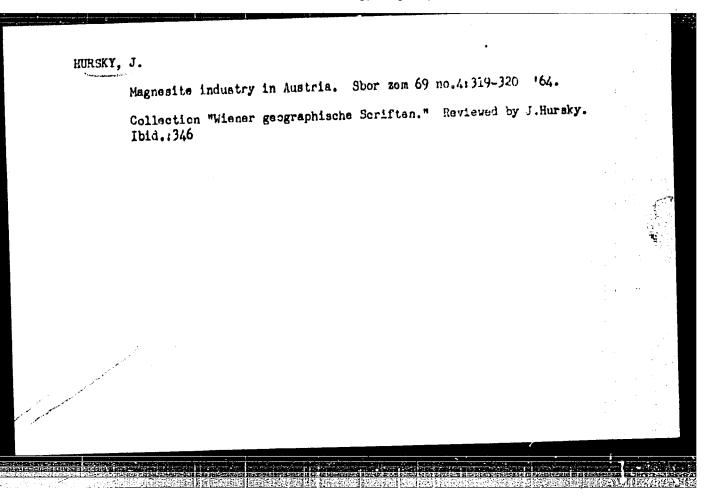
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HURSKY, J.

Supplement to the list of towns in Czechoslovakia. Sbor zem 70 no.1:70-73 '65.

Process of urbanization in the Netherlands. Ibid.:79-80

RINGEL, J.; HURT, K.; ISERLE, J.; SVAB, J.

Pheochromocytoma as an emergency surgical disease. Rozhl. chir. 44 no.6:382-385 Je 165.

1. Detske oddeleni (vedouci doc. dr. J. Ringel), urologicke oddeleni (vedouci MJDr. K. Hurt) a ocni oddeleni (vedouci dcc. dr. J. Iserle, CSc.), nemocnice Obvodniho ustavu narodniho zdravi v Pardubicich a Urologicka klinika lekarske fakulty Karlove University v Hradci Kralove (prednosta doc. dr. J. Svab, CSc.).

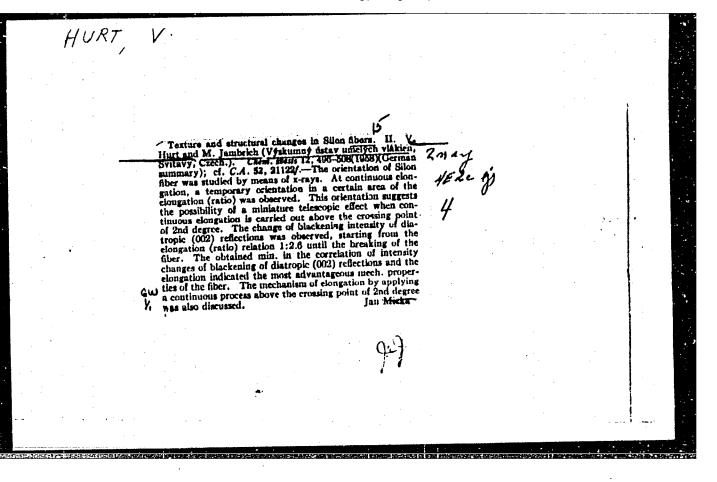
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Occupational tumors of the urinary system in Czechoslovakia. Neoplasma 3 no.5:551-560 '61.

1. Urologische Abt. d. Bezirkskrankenhauses, Pardubice, Forschunginstitut für organische Synthesen, Pardubice-Rybitvi,
Betriebssanitatsdistrikt der Ostbohmischen chemischen Werke SemtinRybitvi.

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(CARCIMOGENS)



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Modernization of machine tools. p. 218.

STROJIRENSKA VYROBA. (Ministerstvo tezkeho strojirenstvi, Ministerstvo presneho strojirenstvi a Ministerstvo automobiloveho prumyslu a zemedelskych stroju) Praha, Czechoslovakia. Vol. 7, no. 5, May 1959.

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1. Vyskumny ustav chemickych vlakien, Svit, okres Poprad.

HURTIG, Eckart

Examination of the propagation velocity of longitudinal waves in petrographic models. Studia geophys 6 no.2:168-175 162.

1. Institut für geophysikalische Erkundung, Karl-Marx-Universitat, Talstrasse 35, Leipzig C 1, Deutsche Demokratische Republik.

HURUBA, V., ing.; MARINESCU, T. Quick calculation of chord reduction corrections in projections: stereographic, unique secant plan, Brasov and Qagas-Kruger. Rev geodesie 7 no.1:6-14.163. 1. Directia de sistematisare, arhitectura si priectare a quastructiilor, Tg. Mures (for Buruba). 2.I.S.P.A. Bucuresti (for Marinescu).

HURUBAN, Ivo; VITEK, Bohumir

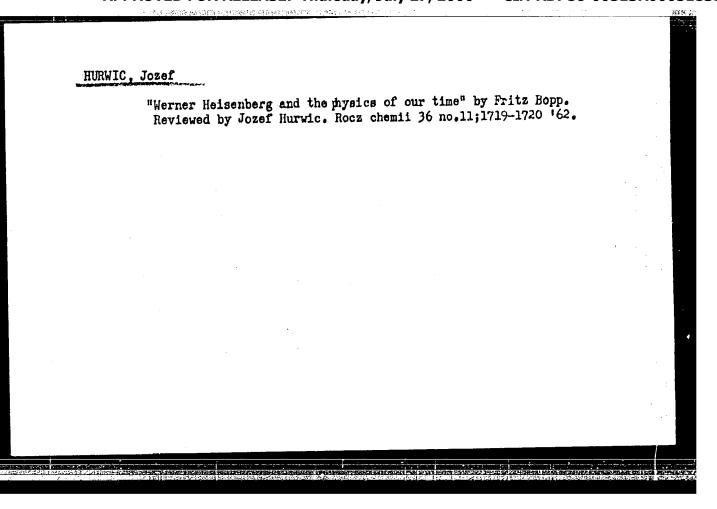
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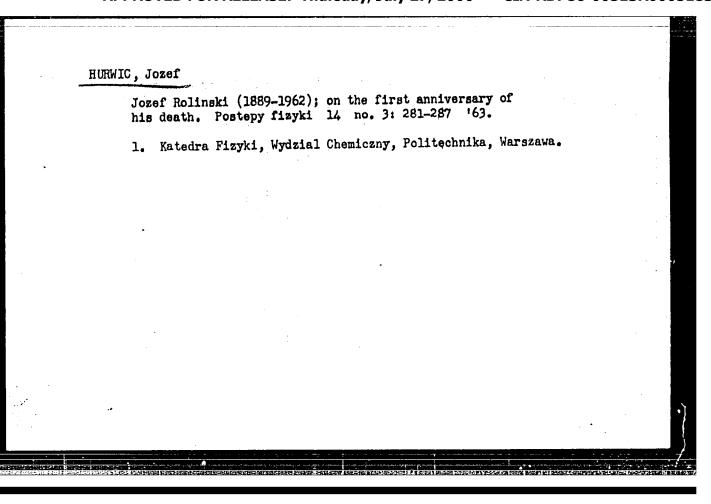
1. Czechoslovak Academy of Sciences, Institute for Theoretical and Applied Mechanics, Building Department, Brno.
(Masonry) (Foundations) (Basements)

HURWIC, Josef, prof. dr

Radioactivity of protons. Problems 19 no.10:646 '63.

Demography from the point of view of history of social development. 654





HURWIC, J., prof. dr; CIBOROWSKI, S., doc. dr

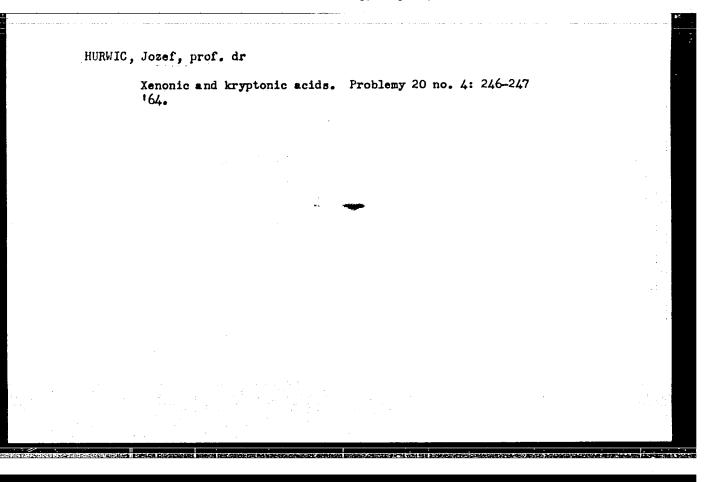
Report from the Congress of Delegates of the Polish Chemical Society. Wiad chem 17 no. 7:432-433 J1 163.

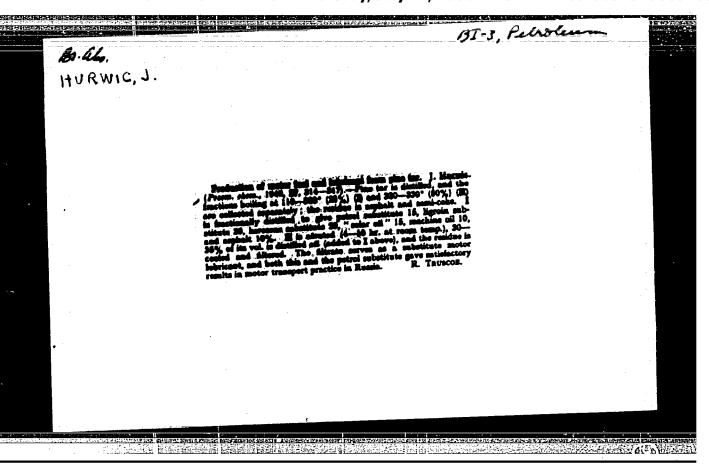
 Wiceprezes Polskiego Towarzystwa Chemicznego, Warszawa (for Hurwic). 2. Sekretarz Polskiego Towarzystwa Chemicznego, Warszawa (for Ciborowski).

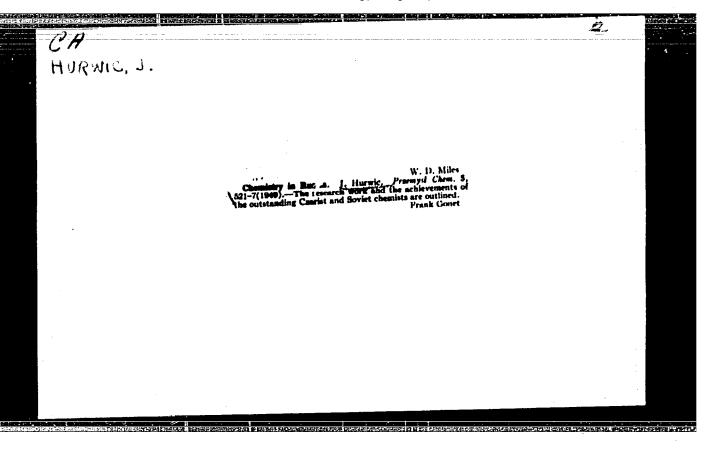
HURWIC, Jozef, prof. dr

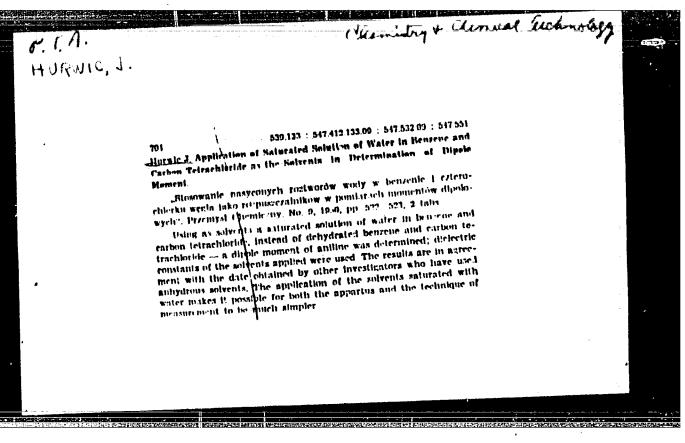
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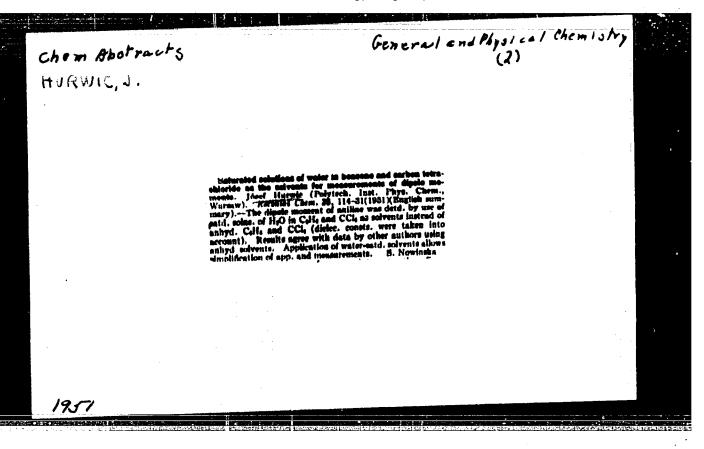
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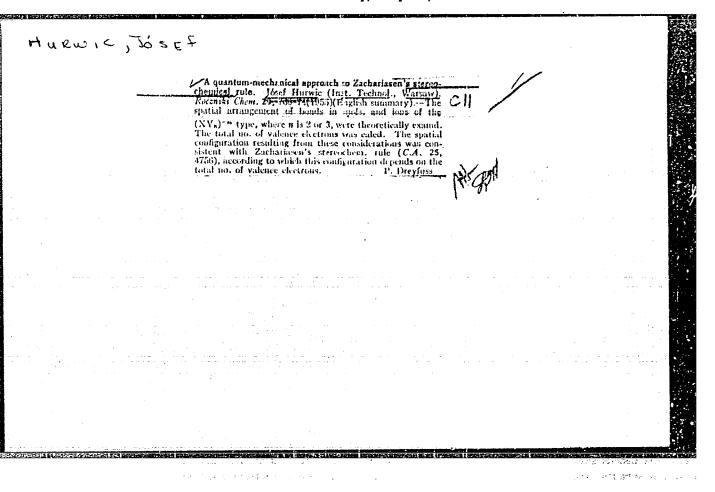




HURNIC, J.

"Popularization of Chemistry by the Polish Association of Chemistry." P. 327. (PRZEMYSL CHEMICZNY, Vol. 10, No. 6, June, 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1, Jan. 1955 Uncl.



HURWIC, J.

Bulletin - Vol. 2, no. 10, 1954.

Suggested standard for low dielectric constant. In English. p. 489.

SO: Monthly list of East European Accessions, (EEAL), LC, Vol. 4, No. 9, Sept. 1955

Uncl.

HUTCHIG, Jozef		
"Shortcomings of Polish Chemical Literature," by Jozef Hurwic, published in Nauka Polska, 4th Year, No. 1(13), Warsaw, Polish Academy of Sciences, 1956, from the Warsaw Polytechnic.		4
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HURWIC, J.

21(8)

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Wrockswskie Towarzystwo Naukowe

Izotopy; dztery odczyty o zastosowaniach (Isotopes; Four Lectures on Their Application) [Wrockaw] Panstwowe wydawniatwo naukowe, 1957. 73 p. 2,000 copies printed.

Ed.: Jan Mergentaler.

PURPOSE: This publication is intended for both physicists and interested, laymen.

COVERAGE: The collection of articles represents a series of lectures delivered at the Conference on the Use of Isotopes in Science and Technology organized by the Wroczawskie Towarzystwo Naukowe (Wroczaw [Breslam] Science Association) at the Politechnika Wroczawska (Wroczaw Polytechnic Institute), Nov. 5, 1955. The introduction was given by the chairman of the Association, Professor Doctor Stanislaw Kulczynski. The text of the four lectures is given in this volume. The discussions which followed these lectures are not given. No references are given.

Card 1/3

Igotopes (QVED)FOR RELEASE: Thursday, July 27, 2000^{POL/}创名-RDP86-00513R0005

TABLE OF CONTENTS:

Preface

5

Trzebiatowski, Włodzimierz. Radioactive Chemical Elements. This 7 paper contains basic information about radioisotopes, their properties and preparation.

Baranowski, Tadeusz. Use of Isotopes in Biology This is a brief review of the development of isotopic methods in biological research.17

Moscicki, Wlodzimierz. Isotopic Analysis in Absolute Chronology 31 The author reviews methods used in age determination with the aid of radioactive isotopes aranium dating, carbon Cl4 dating, and other methods.

Hurwic, Jozef. Use of Isotopes as Presented by the Geneva Conference, With Particular Attention to Radiochemistry This paper is a brief summary of the discussions on the use of isotopes held at the International Conference on the Peaceful Use of Atomic Energy, Geneva, August 1955. The author mentions the fact that the Soviet

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Isotopes (Cont.)

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contributed radioactive isotopes for the Polish research program.

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HURWIC, JOZEF.

U progu nowej epoki. (Wyd. 1. Warszawa). Ksiazka i Wiedza, 1956. 70 p. (At the threshold of a new epoch. 1st ed. illus., ports., footnotes).

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 6, June 1957, Uncl.

HURWIC, JOSEF

PLL., ND / Physical Chemistry. Moloculo. Chemical Bold.

B-4

bs Jour

: Rof Zhur - Khim., No 10, 1958, No 31480

uthor

: Jozof Hurwic, Jorzy Michalczyk, Krystyna Pogorzelska,

Inst

: Intermolecular Compounds of Pyridine and Acetic Leid.

Titlo

: Roozn. chom., 1957, 31, No 1, 265-275.

bstract

Orig Pub

: The dielectric polarization (DP) of pyridine (I) and acctic acid (II) mixtures in ratios corresponding to I: 4 II and 2 I: 3 II was determined in dilute benzene solutions. The difference between the experimental value of the DP and the sum of DP-s of the component parts of the mixture was 0.87 cub. cm in the case of the first solution and 1.04 cub. cm in the case of the second solution. Thus, the DP, same as other physical magnitudes of the mixtures

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Abs Jour : Rof Zhur - Khim.; No 10, 1958, No 31480

under study, shows great divergences from additivity. The presence of a series of complexes, the composition of which depends on the concentration, is assumed. A probable mechanism of the formation of these complexes is suggested. Bibliography with 21 titles.

Card 2/2

HURWIC, J.

16th International Congress of Pure and Applied Chemistry.

p. 81. (KOSMOS. SERIA B: PRZYWODA NIEOZYWIONA.) (Warszawa, Poland) Vol. 4, no. 1, 1958

SO: Monthly Index of East European Accession (E:AI) LC Vol. 7, No. 5, 1958

Theoretical Organic POLAND / Organic Chemistry.

G-1

Chemistry.

Abs Jour: Ref Zhur-Khimiya, No 1, 1959, 1133.

: Hurris, Radzikowski, J., Dabrowski, J. Author

: The Investigation of a Tautomerism in ?-aminovinyl Acids by Measuring the Dielectric Constant Inst Title

of their Solutions.

Orig Pub: Roczn. chem., 1958, 32, No 1, 159-161.

Abstract: The tautomerism revealed previously (RZhKhim, 1955,

40057, 1957, 26610) by means of refractometric and spectroscopic measurements in A -aminovinyl ketspectroscopic measurements in --aminoviny Romones RCOCH = CHNHR' RC(OH) = CHCH = NR'
la R = C₂ H₅, R' = H; b R = n - C₃ H₇, R' = H; $c R = R^{\dagger} - CH_3$; $d R = iso - C_4 H_9$, $R^{\dagger} = CH_3$) is

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Card 1/2

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HUKWIG, V.

SOY/25-59-5-32/56

AUTHOR:

Hurwitz, J. Doctor of Technical Sciences (WARSAW)

TITLE:

A Great Career of a Small Gadget

PERIODICAL:

Nauka i zhizn' 1959, No. 5, pp 51-53 (USSR)

ABSTRACT:

The author is a Professor of Chemistry in the Warsaw Polytechnical Institute, Vice-President of the Polish Chemical Society, Member of the Executive Body of the Polish Society for the Propagation of Sciences, Chief Editor of the monthly magazines "Problemy" and "The Contemporary Encyclopaedia". He describes ebuliometers constructed in 1925 and 1934 by the Polish Scientist W. Swietosławski jointly with W. Romer. This instrument measures accurately the boiling point of any liquid at a given pressure. There is 1 drawing and 1 diagram.

ASSOCIATION:

Warsaw Politechnical Institute.

Card 1/1

HURWIC, J.

Feriodic law of chemical elements and its author; on the 125th anniversary of Mendeleev's birth and the 90th anniversary of the publication of the periodic law. p. 93.

KOSMOS. SERIA B: PRZYRODA MIECZYWICHA. (Polskie Towarcystwo Przyrodnikow im. Kopernika) Warszawa, Poland. Vol. 5, no. 2, 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 8, August 1959. UNCL

HURWIC, Josef

Extrapolation of the specific refraction of a dissolved compound to an infinitely high dilution. Rocz chemii 34 no.1:275-278 '60. (EEAI 10:9)

1. Department of Physical Chemistry, Institute of Technology, Warsaw.

(Refraction) (Solutions)

HURWIC, Jozef; MICHALCZYK, Jerzy

Relation between the saturated vapor pressure and dielectric constant for certain binary liquid systems. Rocz chemii 34 no.5:1423-1438 (EEAI 10:9)

1. Katedra Chemii Fizycznej Politechniki, Warszawa.

(Vapor pressure) (Dielectrics) (Liquids) (Systems(Chemistry))

HURWIC, Jozef, prof. dr Geneva for the third time. Problemy 20 no.11:646-664 '64. In Wilhelm Tell's country. Imid.:690-692 '64.

HURWIC, Jozef; MICHALCZYK, Jerzy

Relation between the saturated vapor pressure and density of some binary liquid systems. Rocz chemii 34 no.5:1439-1443 160. (EEAI 10:9)

1. Katedra Chemii Fizycznej Politechniki, Warszawa.

(Vapor pressure) (Liquids) (Systems(Chemistry))

26833 P/046/81/006/007/005/008 D249/D302

21, 4100

AUTHORS:

Michalezyk, Jerzy, and Hurwic, Józef

TITLE:

Dipole moments of complexes of uranyl nitrate with

tributylphosphate

PERIODICAL:

Nukleonika, v. 6, no. 7-8, 1961, 503-509

TEXT: The following work, whose object is to find what complexes are formed by ${\rm UO_2(NO_3)_2}$ with tributylphosphate (BP) and to determine their dipole moments, is an extension of the work of V. B. Shevchenko and his co-workers, who failed to report on their methods of investigation. A saturated solution of ${\rm UO_2(NO_3)_2}$ in TBP was carefully prepared (free from ${\rm H_2O}$ and ${\rm HNO_3}$). The mole fraction (x) of ${\rm UO_2(NO_3)_2}$ in this solution was determined spectrophotometrically by Wadyslaw Rutkowski at Pracowni Chemii Analitycznej IBJ, Warzawa (Laboratory of Analytical Chemistry IBJ, Warsaw). Portions of this solution were dissolved in varying amounts of pure benzene to give four solutions, each with a different weight fraction (w) of

Card 1/5

26833 P/046/61/006/007/005/008 D249/D302

Dipole moments of ...

UO2(NO3)2 - TBP, but with constant x value. Further portions of the saturated solution were diluted with TBP to give three solutions, each with a different x value. From each of these, a series of bensene solutions was made, each solution with a different w (x for each series was constant). For every resulting solution, the dielectric constant & , the density d and the refractive index m were determined. The value was found by the hetrodyne beat method; d was found picnometrically, while m was obtained with the aid of a universal refractometer. From the values of w, d, & and n, the factors of, B and Y were determined for every solution where

 $\alpha' = \frac{d-d_b}{vd_b}$, $\beta = \frac{\varepsilon - \varepsilon_b}{v\varepsilon_b}$ and $\gamma = \frac{n^2 - n_b^2}{vn_b^2}$

refers to the pure solvent, i.e., benzene). The specific polarization P, for the UO2(NO3)2 - TBP was calculated at infinite dilution from db, &b, α and β and the specific refractivity R was calculated from d_b , n_b , α and Y. The values thus obtained of P and R were plotted against x. The Card 2/5

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P/046/61/006/007/005/008 D249/D302

Dipole moments of ...

maximum value of x obtained was 0.4260; a pure UO2(NO2)2 TEP complex would have x = 0.5, hence it can be inferred that the saturated soluti consist of this complex alone. Extrapolation of the experimental curve of the P values against x to x = 0.5 gives P = 0.475 cm g (where I refers to ${\rm UO_2(NO_3)_2}$ - TRP. Since the experimental graph deviates from the straight line, it may be assumed that at higher TEP concentrations the complex UOg(NOg)g STEP as well as free TEP are present. If no free TEP were present, additive relationship of the two complexes could be expected having to a linear relationship between the P and x. A plet of P versus x would then give a straight line passing through the point (P = 0.486, x = 0.5). If a tangent to the experimental curve at x = 0.5 be extended to meet a vertical line at x = 0.33 (corresponding to UO2(NO3)2 2TRP) then the point of intersection would give PII (where II refers to UOg(NOg) 275F. By this method PII was found to be 0.465 cm g A graph of R versus z gives a curve Card 3/5

26833 P/048/61/006/007/005/008 D249/D302

Dipole moments of ...

closely approaching a straight line. Hence R_I (= 0.183 cm g ³) and R_{II} (= 0.193 cm g ³) were obtained by extrapolation to x = 0.5 and x = 0.33 respectively. By multiplying the values $P_I P_{II}$ and $R_I R_{II}$ by the molecular weight of the corresponding complex, the molar polarizations, $[P_I]$ and $[P_{II}]$, and the molar refractivities, $[R_I]$ and $[R_{II}]$, were obtained. From these the dipole moments were calculated by μ = 0.1273 $\sqrt{(P_I - R_I)}$. Tand found to be as follows: μ = 3.04D, μ = 3.47D. The low value of μ = 1.1(3.1D) found by Shevchenko was due to his failure to recognize the presence of u = u

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APPROVED FOR RELEASE: Thursday, July 23, 2000 CIA-RDP86-00513R000 p/046/81/008/007/005/008

D249/D302

Dipole moments of ...

ASSOCIATION: Politechnika Warszawska, Warszawa, Wydział chemiczny, Katedra fizyki (Warsaw Polytechnic, Chemistry Section, Department of Physics)

SUBMITTED: May, 1961

Card 5/5

HURWIC, Jczef, prof. dr.

Rewards for scientific works on nuclear energy. Problemy 18 nc. 2: 147-149. '62

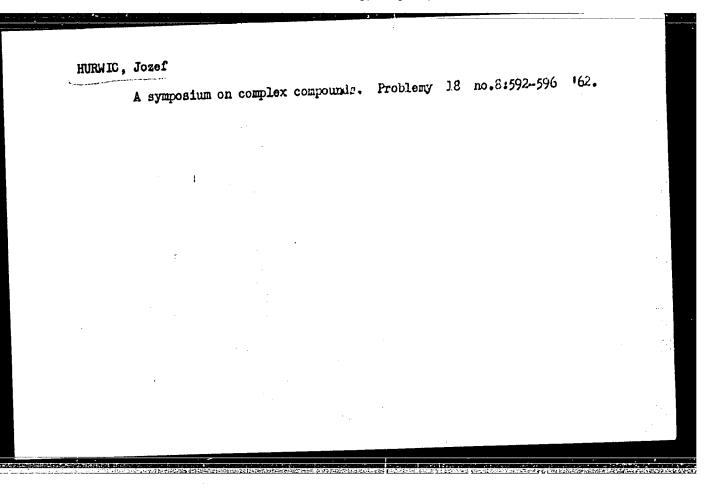
 Członek Fanstwowej Rady i Komitetu Folskiej Akademii Nauk do Speaw Pokojowego Wykorzystania Energii Jadrowej, Warszawa.

THE STATE OF THE S

HURNIC, Josef, prof. dr.

The prophet in the laboratory; Dymitr Mendeleev and the periodic table of the chemical elements. Problemy 18 no.5:334-349 162.

1. Kierownik Katedry Fisyki, Wydzial Chemiczny, Politechnika, Warszawa.



SERVICE.

Elementary wave mechanics applied to quantum chemistry by W. Heitler. Reviewed by Jozef Hurwic. Rocz chemii 36 no.5:987 *62.

HURWIC, Jozef **Nuclear- and radiochemistry; fundamentals, practical methods and technical application by Roland Lindner. Reviewed by Jozef Hurwic. Przem chem 41 no.12:736 D '62.

HURWIC, Jozef

POLAND

HURWIC, Jozef

Department of Physics of the Division of Chemistry, Warsaw Polytechnic School (Katedra Fizyki na Wydziale Chemicznym Politechniki Warszawskiej), Warsaw

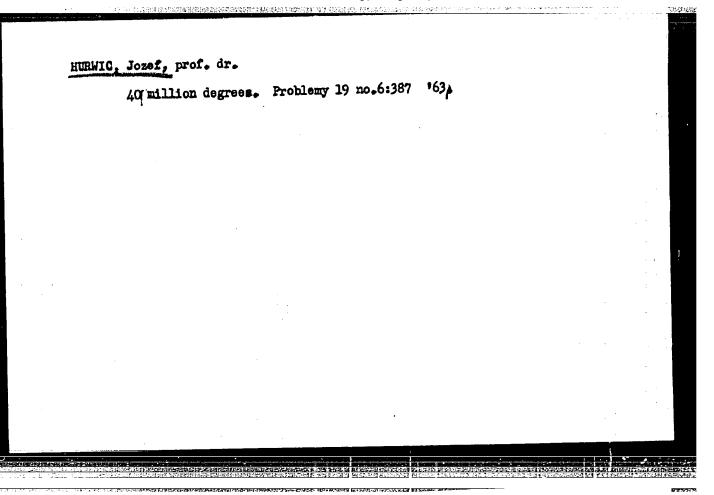
Crakow, Postepy fizyki, No 3,/pp 281-88.

"Jozef Rolinski (1889-1962)".

HURNIC Jozef, prof. dr APPROVED FOR RELEASE: Thursday, July 27, 2000 Hypernuclei. Problemy 19 no.5:318 163.

CIA-RDP86-00513R000

310



MICHALCZYK, Jerzy; HURWIC, Jozef

Uranyl nitrate complexes with tributylphosphate. Nukleonika 9 no. 6:483-484 '64.

1. Department of Physics, Division of Chemistry, Technical University, Warsaw.

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The Th(NO₃)₄. 2 dipole moment. Nukleonika 9 no. 6:434-485 '64.

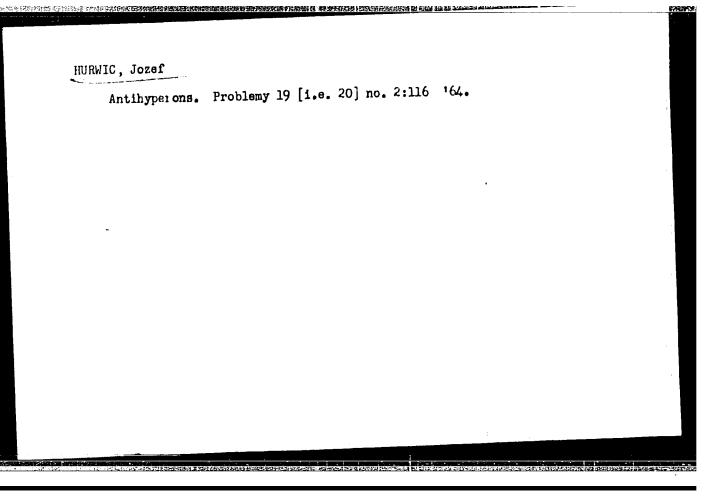
The La(NO₃)₃. 3TBP dipole moment. Ibid.:486

1. Department of Physics, Division of Chemistry, Technical University, Warsaw.

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ACC NR: AP5025546

YU/0020/65/000/002/0023/0028

AUTHOR: Hurwic, Josef (Professor, Doctor, President)

TITLE: Activities in the nuclear field in Poland

SOURCE: Nuklearna energija, no. 2, 1965, 23-28

TOPIC TAGS: nuclear power, nuclear physics, nuclear research

ABSTRACT: Following a brief historical introduction, this article, written by a Polish scientist for the Yugoslav scientific community, discusses the main 17 institutions related to various aspects of Polish nuclear research efforts and describes various particle accelerators and nuclear reactors. The author cutlines the current programs in the physics of the atomic nucleus, elementary particles, cosmic rays, solid and liquids, and plasma. The status and advances in radiochemistry, radiation chemistry, technology of reactor fuel and reactor materials; and isotope uses in physics, chemistry, engineering, biology, medicine, and agriculture are discussed. The author concludes by stating that the first nuclear power plant is scheduled to go into operation sometime after 1970. Orig. art. has: 4 figures.

ASSOCIATION: Commission for Publication and Popularization of the State Council and the Committee for Peaceful Uses of Atomic Energy of the Polish Academy of Sciences (Komisija za publikacije i. popularizaciju. Drzavnog saveta i Komiteta za mirnodopsku primenu nuclearne energije Poljske akademije nauka)

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POLAND

HURWIC, Jozef, prof. dr; KLEPS, Jerzy, mgr inz.; WOSIEK, Stefania, mgr inz.

Chair of Physics, Section of Chemistry of Warsaw Polytechnic (Katedra Fizyki na Wydziale Chemicznym, Politechniki, Warszawa) (for all)

Warsaw, Chemia analityczna, No 6, November-December 1965, pp1365-1371

"Determination of water content of trotyl, by the method of dielectric constant measurement."

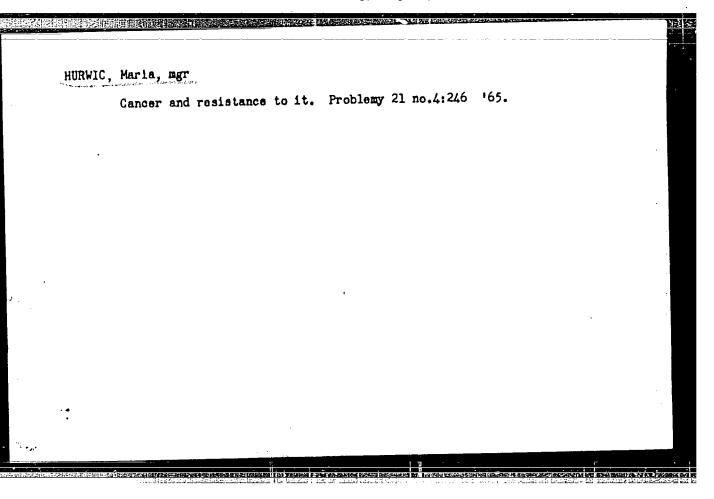
L 03779-67 EWP(1) SOURCE CODE: PO/0099/66/040/003/0487/0488 (N)ACC NR: AP6031702 APPROVED FOR RELEASE: Thursday, July 27, 2000 AUTHOR: Hurwic, Jozef; Smialek-Razmierowska, Sonia; Maliszewski ORG: Department of Physics, Chemical Faculty, Institute of Technology, Warsaw (Katedra Fisyki na Wydziale Chemicznym Politechniki) TITIE: Dipole moments of some phosphoroorganic compounds with sulphur and selenium SOURCE: Rocaniki chemii-annales societatis chimicae polonorum, v. 40, no. 3, 1966, 487-488 TOPIC TAGS: organic phosphorus compound, dipole moment, sulfur, selenium ABSTRACT: Dipole moments of 6 phosphoorganic compounds with sulfur and seleni determined by the dilute solution method (in dry benzene) with an accuracy of $\Delta \dot{p} = \pm 0.1D$. Orig. art. has: 1 table. [JPRS: 36,002] SUBM DATE: 190et65 / ORIG REF: OO1 / SOV REF: SUB CODE: 07 OTH REF: 002 Card 1/1 40/

HURWIC, M HURWIC, M.

Polonization of chemical terms.

p. 169 (Wiadomosci Chemiczne) Vol. 10, no. 3, Mar. 1956, Wroclaw, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (BEAI) LC, VOL. 7, NO. 1, JAN. 1958



JIRKA, J.; FENCL, V.; HURYCH, J.; HORNYCH, A.

Intermittent peritoneal dialysis. Cas. lek. cesk. 103 no.47:
1289-1299 20 N *64.

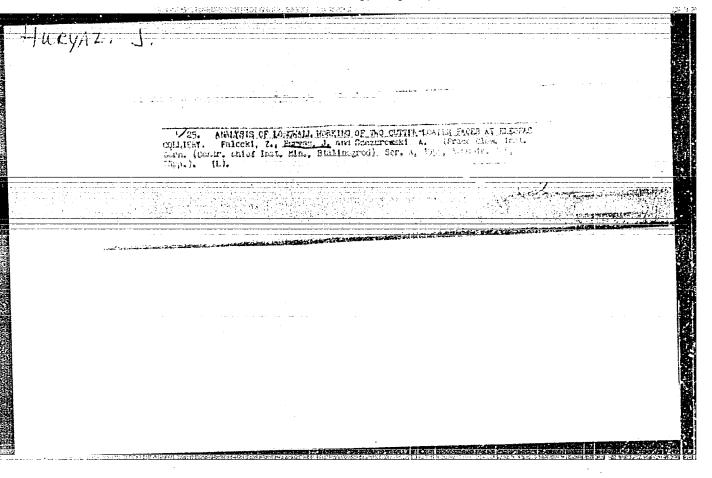
1. Ustav pro choroby krevniho, Praha-Krc, (reditel prof. dr.
J. Brod, DrSc.).

CHVAPIL, M.; MACEK, M.; HURYCH, J.

The physiology of fibroblasts. Study on collagen synthesis in tissue cultures of fibroblasts. Cesk. fysiol. 14 no.2:93-97 Mr '65.

1. Ustav hygieny prace a chorob z povolani a Ustav vyzkumu vyvoje ditete fakulty detskeho lekarstvi Karlovy University, Praha.

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



L 2060~66

ACCESSION NRI AP5027291

02/0053/65/014/002/0093/0097

AUTHOR: Chvapil, M.; Hacek, H.; Hurych, J.

TITLE: Physiology of fibroblasts. Study of biosynthesis of collagen in tiseue cultures of fibroblasts

SOURCE: Ceskoslovenska fysiologie, v. 14, no. 2, 1965, 93-97

TOPIC TAGG: cytology, tissue physiology, biosynthesis, biochemistry, amino acid, protein, histology, cell phystology

Physiology of fibrogenous cells, osteoblasts, and chon-ABSTRACT: droblasts is discussed; morphological characteristics are described, mitochondria, cytoplasmatic granules and their composition are discussed. Free aminoacids characteristic of collagen accumulating in fibroblasts are evaluated. Biosynthesis of collagen proteins in ribosomes, shape changes in endoplasmic reticula are discussed. Investigation of collagen structure by X-ray diffraction, electron microscope, chemical analysis, and sequential

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L 2060-66 ACCESSION NR: AP5027291

analysis is described. Biophysics, chemistry, interaction of molecules, transverse aggregation, pathology, and homeostasis of tropocollagen, its precursors, and its polymerisation are described. Study of fibroblastic effect of industrial dusts by means of tissue cultures is discussed. Certain concentration of milioic soid induce collagen formation. Collagon metabolism in diploid cells is discussed. Diploid cells die in a 3rd generation, unlike heteroploid cell strains. Diploids maintain 46 chromosomes modus. Content changes of protein in fibroblests according to origin are described. Hydroxyproline content of cells is discussed. Collagen protein metabolism study by means of tagged aminoacids and tagged S is described. Orig. art. has: 2 tables.

ASSOCIATION: Ustav hygieny prace a chorob z povolani, Prague (Institute of Work Hygiene and Occupational Diseases); Ustav vyzkumu vyvoje ditete fak. detak. lek. KU, Prague (Institute for Research of Child Development, Faculty of Pediatrics, KU)

ENCL: 00

SUB CODE: LS

SUBITITED: 00

OTHER: 020

JPRS

NR REF SOV: 001 Card 2/2

HURYCH, Josef; CHVAPIL, Milos

Relation of proline hydroxylation and collagen biosynthesis to other metabolic processes. Prac. lek. 7 no.8:342-345 0 '65.

1. Ustav hygieny prace a chorob z povoleni v Praze (reditel - prof. dr. J. Teisinger, Dr.Sc.).

1 42261-66 ACC NR: AP6031470 SOURCE CODE: CZ/0008/66/000/003/0312/0333

AUTHOR: Hurych, Josef; Chvapil, Milos

ORG: Institute for Work Hygiene and for Occupational Diseases, Prague (Ustav hygieny

prace a chorob z povolani)

TITLE: Biosynthesis and metabolish of collagen

SOURCE: Chemicke listy, no. 3, 1966, 312-333

TOPIC TAGS: biosynthesis, biologic metabolism, protein

ABSTRACT: Metabolism of collagen depends on the atypical content of aminoacids, and the presence of hydroxyproline and hydroxylysine, on the amount of tropocollagen, and its age. The structure of tropocollagen is discussed. Biosynthesis of collagen is compared to the synthesis of proteins. Activation of hydroxyproline and hydroxylysine, their complexes with s-ribonucleic acid, formation of peptidic chains, and the investigation of the structure of collagen by an electron microscope are described. Hydroxylation of proline and lysine, formation of their hydroxyderivatives, metabolism of collagen proteins, and the mechanism regulating this metabolism are described. Orig. art. has: 6 figures, 3 formulas and 3 tables.

[JPRS: 36,002]

SUB CODE: 06, 07 / SUBM DATE: none / ORIG REF: 005 / OTH REF: 102

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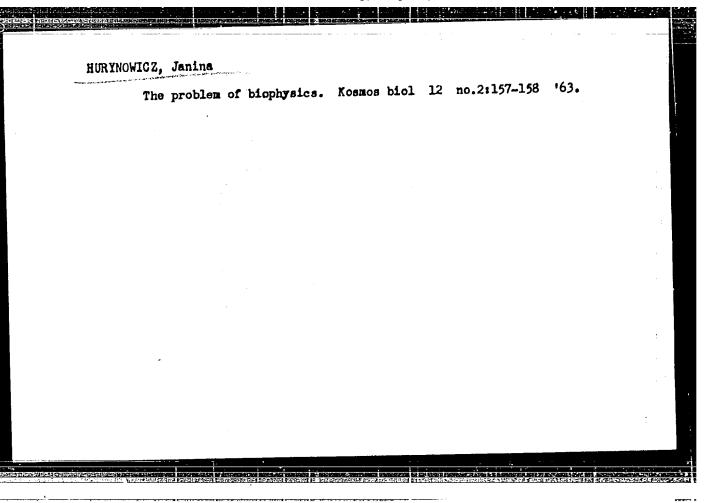
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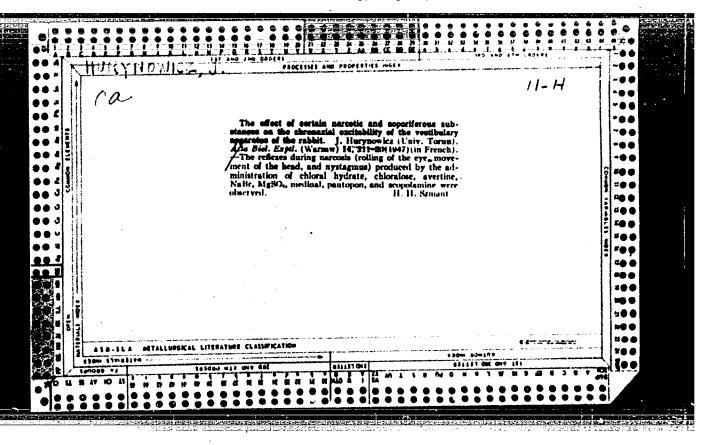
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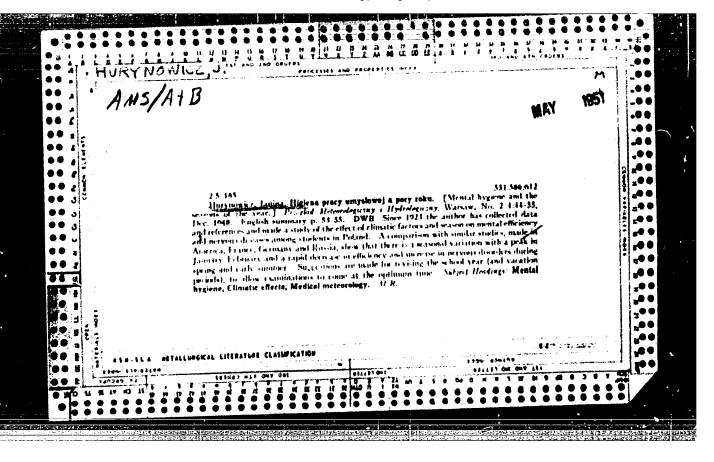


HURYNOWICZ, JANINA.

Wellyw niektorych srodkow nasennych i narkotycznych na zmiany chronaksyjnej pobudiwosci ukladu blednikowego u krolikow. L'influence de certaines substances narcotiques et somniferes sur l'excitabilite chronaxique de l'appareil vestibulaire ches le lapin. Torun Wyds. Hauki M-stwa Oswiaty, 1947. 95 p. Influence of some somniferous and narcotic drugs on changes in the chronaxie of the vestibule system of rabbits. French summary.

SCURCE: East Europeans Accessions List (EEAL), LC, Vol. 5, no. 3, March 1956





HUHYNOWICZ, J.

The vestibular system of the rabbit in fatigue. Bull. Soc. amis sc. Posnan; Ser. C. no.3:17-34 1952. (CIML 23:4)

1. Presented by Prof. Janina Jurynowics, M.D. before the Class of Medicine on 25 Feb, 1950. 2. Of the Department of Neurology of Micolaus Copernicus University in Torun.

HURYNOWICZ, Janina

Chronary and Cybulski's absolute method. Acta physiol. polon. 5 no.4: 465-475 1954.

Z Zakladu Neurofizjologii i Fizjologii Porownawczej Uniw.
 Mikolaja Kopernika w Toruniu. Kierownik: prof.dr. J. Hurynowicz.
 (NERVES, physiology.
 chronaxy, determ., Cybulski's method)

HURYNOWICZ, Janina

Effects of Schizandra chinensis on REG of man exhausted by mental work; preliminary note No. 1. Neur. &c. polska 6 no.6: 781-789 Nov-Dec 56.

1. Zaklad neurofisjologii i Fisjologii Porownawczej U.M.K. w Toruniu, Kierownik Prof. dr. J. Hurynowicz. (FATIGUE, physical. eff. of Schisandra chinensis extracts on REG of man

exhausted by ment. work (Pol)) (PLANTS, extracts

Schizandra chinensis, eff. on EEG of man exhausted by ment. work (Pol))

(ELECTROENCEPHALOGRAPHY, eff. of drugs on Schisandra chinensis extracts in man exhausted by ment. work (Pol))

MURYNOWICZ, J,

POLAND/Human and Animal Physiology - General Problems.

V-1

: Ref Zhur - Biol., No 1, 1958, 3637 Abs Jour

J. Narebski, Z. Hinz, J. Hurynowicz Author

Inst

: Electroencephalography in Rabbits by Contact Electrodes Title

: Acta Physiol. Polon., 1956, 7, No 4, 487-493 Orig Pub

: Electrodes are described which are analogous to those Abstract

used in clinical tests.

Card 1/1

POLAND / Human and Animal Physiology. Nervous System. APPROVED: FOR RELEASE 15 to 15 CIA-RDP86-00513R000

Abs Jour: Ref Zhur-Biol., No 22, 1958, 102230.

: Chmielewska, Z.; Narebski, J.; Hurynowicz, J. Author

* WOLKE TOWNY Zaklad Neurofizjologii Porownewczej U.M.Kr. Toruniu *** Inst

: The Influence of Schizandra Chinensis on EEG in Title

Emaciated Patients with Neurosis with Depression

Traits, Preliminary Report, II.

Orig Pub: Neurol., neurochirurg. i psychiatr. polska, 1957, 7, No 1, 41-51.

Abstract: in 4 patients, the intake of Schizandra Chinensis tincture (for 28 days, 40 drops per diem, in fatigue induced by mental stress) was accompanied by disappearance of dysrythmia and morphologic dissimilarity of the waves on EEG. The number and ampli-

tude of alpha-waves increased; they acquired a

spindleshaped periodicity. ***Kierownik: prof. dr J. Hurynowicz.

Card 1/1

tope y fall to the term MIETKIEWSKI, E.; KAMYSZEW, A.; HURYNOWICZ, J.

MIETKIEWSKI, B.; KANYSZEW, A.; HURYNOWICZ, J.

Chronaxymetric studies on the vagus system in artificial hibernation.

Acta physiol. polon. 8 no.3:466-467 1957.

1. Z Zakladu Fizjologii Pomorekiej A. M. w Szczecinie Kierownik: prof, dr E. Mietkiewski Z Zakladu Neurofizjologii i Fizjologii Porownawczej Uniwersytetu im. M. Kopernika w Toruniu Kierownik: prof. dr J. Hurynowicz. (HIHERNATION, ARTIFICIAL, effects,

on vagal chronaxymetry (Pol)) (NERVES, VAGUE, physiology,

chronaxymetry, eff. of artif. hibernation (Pol))

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

HURYNOWICZ, Janina; KADZIEIA: Wojciech

An improved system for the investigation of vasomotor chronaxy of the thumb. Postepy hig. med. dosw. 12 no.5:521-526 1958.

1. Zaklad Neurofisjologii i Fisjologii Porownawcznej Uniwersytetu Mikolaja Komernika Torun, ul. Mickiewicza 24/26.

(PLETHYSHOGRAPHY.

registration of vasomotor chronaxy of thumb (Pol))

BARGIEL, Z.; HURYNOWICZ, J.

Chronaxymetric studies on the excitability of the vasomotor system of the rabbit ear based on a visual method. Acta physicl.polen.ll no.5/6:648-650 160.

1. Z Zakladu Heurofizjologii i Fizjologii Porownawczej U.M.K. w Toruniu. Kierownik: prof.dr J. Hurynowicz.
(VASOMOTOR SYSTEM physiol)

KADZIELA, W.; LISICKI, E.; HURYNOWICZ, J.

Attempted photoelectric registration of vasomotor reactions in the rabbit ear. Acta physiol.pulon. 11 no.5/6:769-770 '60.

1. Z Zakladu Neurofisjologii i Fisjologii Porownawczej Uniwersytetu M.Kopernika w Toruniu, Kierownik: prof.dr J.Hurynewicz. Z Zakladu Fisyki Doswiadczalnej Uniwersytetu M.Kopernika w Toruniu. Kierownik: prof. dr A.Jablonski.

(VASCMOTOR SYSTEM physiol)

HURYSZ, Jan, doz. inz.; SIKORA, Włodzimierz, dr inz.

Influence of the technical parameters of caved in long-walls on the concentration of mining. Przegl gorn 20
[i.e.19] no.92353-357 3'63.

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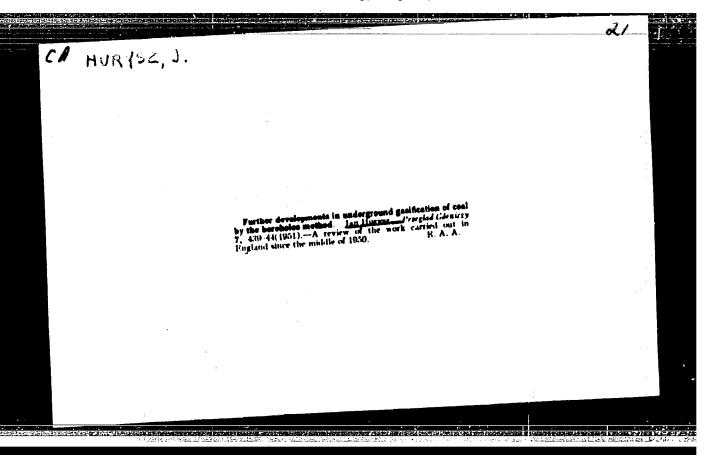
HURYSZ , J.

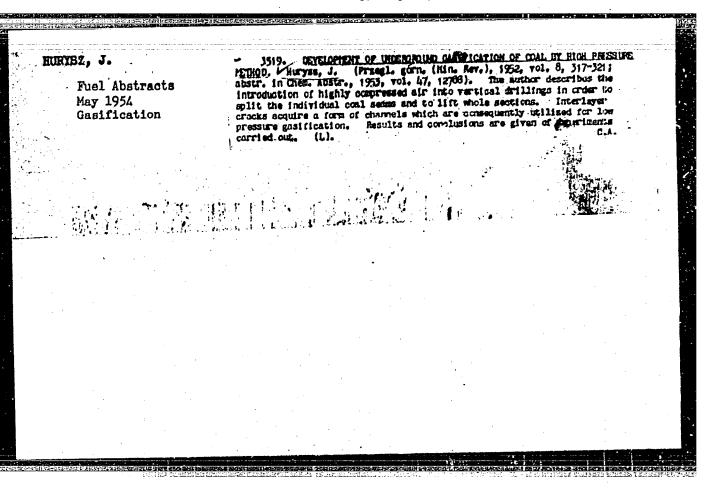
Hurysz J.

Hurysz J., Eng. "Long-Term Stocking of Flame Coal Fines." (Dlugoterminowe magazynowanie mialu plomiennego). Przeglad Gorniczy, No. 1, 1949, pp. 32-35.

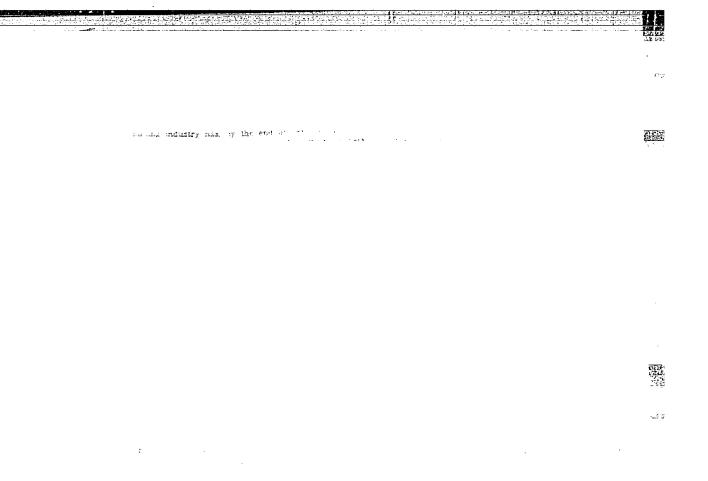
Methods of stocking the flame coal fines. Organisation of this stocking in the whole coalfield, and not only in one or several times.

SO: Polish Technical Abstracts - No. 2, 1951





HURYS		
"A quickly built barrier against fire." (p.16) WIADOMOSCI GORNICZE (Panstwowe Wydawnictwa Technicze) Katowice. Vol 4, no 1, Jan 1953		
	EAST European Accessions List Vol 4, No 8, Aug. 1954	
		: · ·
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Hurysz, J.

Economic utilication of coal deposits
p. 7

PREMIAD SPANALMICTMA. (Stowarzyszenie Insyniewsm i fectnikow Mechanikow Polskichs
i Instrtut Spawalnictow) Warszawa, Foland. Vol. 11, Mo. 10/11, Cet/Nov. 1959

Morthly List of East European Accessions (EPAI) LC, Vol. 9, No. 2 Feb. 1959

Uncl.

HURYSZ, Jan, doc., mgr.,inz.; WYSZCMIRSKI, Jerzy, mgr.,inz.

Hardening of sand stowing. Przegl gorn 17 no.10:509-511 0 '61.

Gombine driving of headings for speedy advancing in longwall faces. Przegl gorn 18 no.9:497-503 S '62.

P/005/63/000/009/001/002

AUTHOR:

Hurysz, J., Docent, Master of Engineering

TITLE:

Fuming coal dumps

PERIODICAL: Przeglad techniczny, no. 9, 1963, 1

TEXT: Wastes, pollution and contamination resulting from industrial activities pose serious problems in the coal basins of Upper and Lower Silesia. Waste coal dumps tend to catch fire and to give off fumes polluting the air. They create a particularly hazardous condition in the highly industrialized and densely populated Gornoslaski Okrag Przemyslowy (Upper Silesia Industrial District). The annual accumulation of wastes in the vicinity of coal mines in the form of igneous rock, slag and ashes is considerable, e.g., in 1961 it amounted to about 33 million tons. Wastes tend to interfere with the normal operation of some mines, on surface and underground. Gradual elimination of accumulated igneous rock becomes a necessity igneous rock is suitable for certain construction purposes but, due to its petrographic composition and uneven granularity, requires additional processing and machinery. This possibility is to be further explored and gradually developed. The use of such that possibility is to be further explored and gradually developed. The use of such waste as a general filler and for underpinning underground workings is recommended as an immediate solution. This would require partial crushing and sorting of the rock

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Fuming coal dumps

only. Other possibilities of utilizing mining wastes in the mine proper will be taken up in the next issue of this periodical. The growing accumulations of mining wastes in relation to the growth of the coal output is presented in form of a graph.

ASSOCIATION: Glowny Instytut Gornictwa (Chief Institute of Mining)

Card 2 of 2

HURYCZ, Jan, doc. mgr inz.

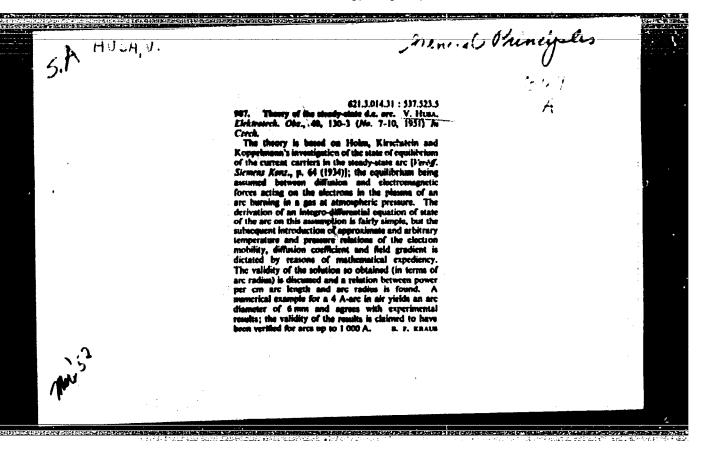
The end of smoky heaps. Przegl techn 84 no.12:4,6 24 Mr '63.

1. Glowny Instytut Gornictwa, Katowice.

ADAMGVIC, V.M., dipl. hem.; HUS-MARKOVIC, M., mr. farm.; KOZOMARA, S., apsol. hemijs

Isolation and identification of certain carbohydrates in dehydrated juice of sweet cabbage by means of one-dimensional paper chromatography. Glas. hig. inst. 9 no.1/2:45-55 160.

(VEGETABLES) (CARBOMYDRATES chem)

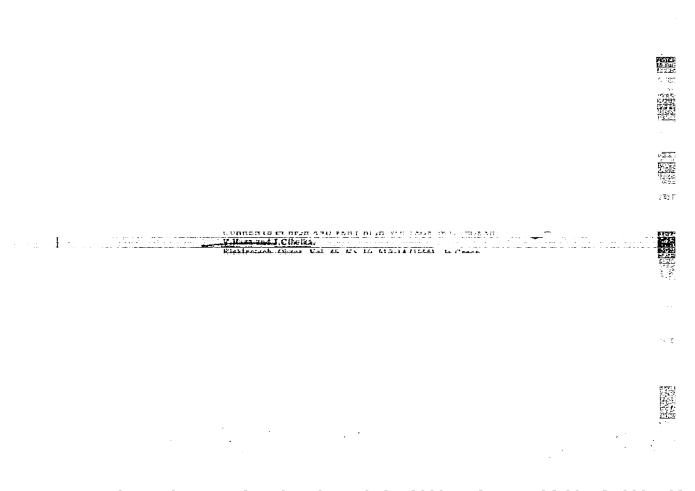


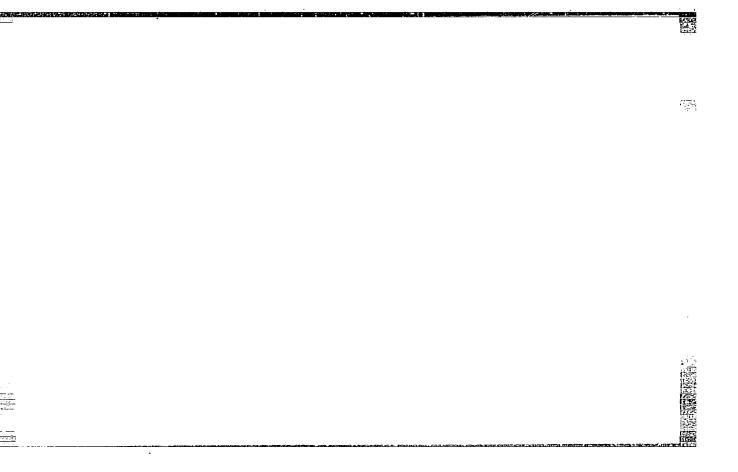
HUSA, V.

HUSA, V. Cihelka, J. S. Dzierzbicki's High-Tension Switches; a book review. p.489

Vol. 15, no. 9, Sept. 1956 ELEKTROTECHNICKY OBZOR TECHNOLOGY Praha, Czechoslovokia

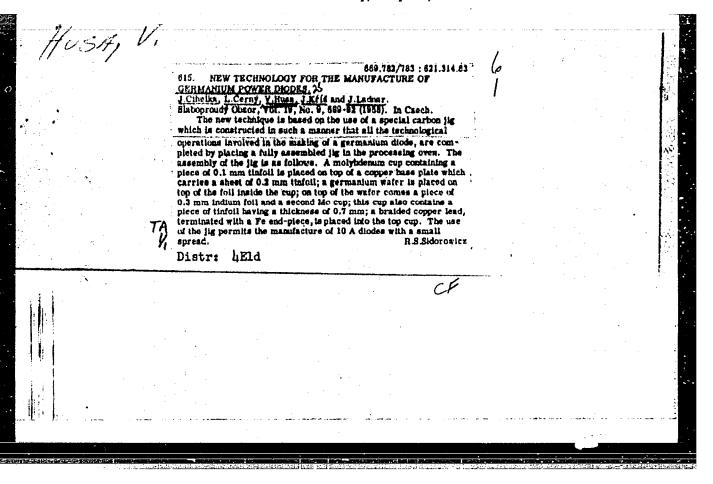
So: East European Accession Vol. 6, No. 2, 1953

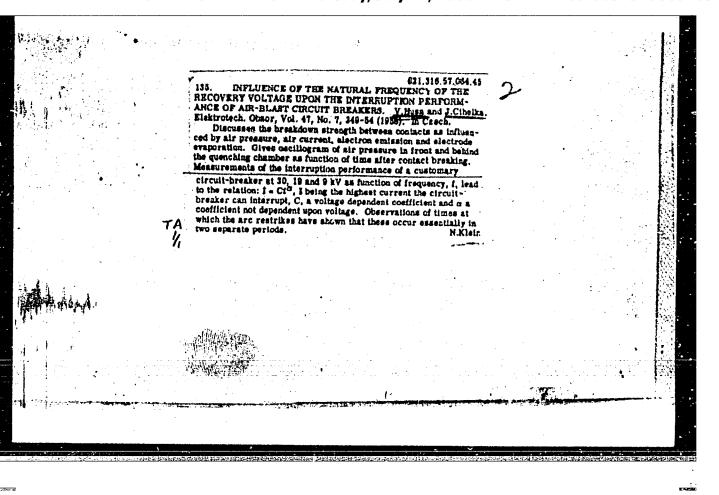




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H

HUSA V.

CZECHOSLOVAKIA/Electronics - Photocells and Semiconductor Device.

Abs Jour

: Ref Zhur Fizika, No 1, 1960, 1551

Author

: Husa, V., Kriz, J., Ladnar, J.

Inst

Title

: p* -- p -- n* Junctions in Silicon

Orig Pub

: Slaboproudy obzor, 1959, 20, No 5, 284-287

Abstract

: The author considers the physical basis of the p* -i -- n* junction and justifies the choice p* -- p -n* junction for use in a silicon diode. The technology of manufacture of diodes with large junction
surface and with reverse voltage greater than 1,000
volts is considered. Conditions are determined for
obtaining sufficiently small resistance in the for-

ward direction.

Card 1/1

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

HUSA, V. ; KVASIL, B.

Measurement of the conductivity of semiconductors in the microvave range. p. 667

SLABOPROUDY OBZOR. (Ministerstvo presneho strojirenstve, Ministerstve ppoju a Vedecka technicka spolecnost pro elektrotechniku pri CSAV) Praha, Czechoslovakia, Vol. 20, no. 11, Nov. 1959

Menthly List of East European Accessions (EEAI) LC, Vol. 9, no. 1, Jan. 1960

Uncl.

HUSA, V.; CIHELKA, J.

Analysis of the volt-ampere characteristics of a germanium diode in the reverse and forward direction. p.379

ELETROTECHNICKY OBZOR. (Ministerstvo tezkeho strojirensitžvi a Ceskoslovenske vedecka technicka spolecnost pro eletrotechniju pri Ceskoslovenske adaemii ved) Praha, Cezecholovakia Vol.48, no.7, July 1959

Monthly List of East European Accessions (EEAI) LC, Vol.8, no.11 Nov. 1959 Uncl.

CZECHOSLOVAKIA/Electricity - Semiconductors.

G

Abs Jour

: Ref Zhur Fizika, No 4, 1960, 9087

Author

Cerny Ladislav, Husa Vaclav, Kriz Josef, Ladmar Hosef

Inst

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Title

The p-n Junction in Germanium

Orig Pub

: Electrotech. obzor, 1959, 48, No 8, 406-409

Abstract

: A brief description of the physical primciple of the p-n junction in germanium, and a comparison of the theoretical premises with the experimental data. Problems of technology are considered, and certain results of experimental investigation of the p-n junction are given. A technology is recommended, which insures small dispersion of the characteristic in the forward and backward

directions.

See Referat Zhur Fizika, 1960, No 3, 6618.

Card 1/1

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

HUSA, V.; CIHELKA, J.; CERNY, L.

Contribution to the problem of overvoltage in circuits with germanium diodes and protection against it. p. 478.

ELEKTROTECHNICKY OBZOR. (Ministerstvo tezkiho strojirenstvi a Ceskoslovenske vedecka technicka spolecnost pro elektrotechniku pri Československ**a akademia v**ed) Praha, Czechoslovakia. Vol. 48, no. 9, Sept. 1959.

Monthly list of East European Accessions (EEAI) IC, vol. 9, no. 1, Jan. 1960. Uncl.

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E192/E482

AUTHORS:

Husa Václav, Inž dr., Cihelka Jaroslav, Engineer

Cerny Ladislav, Engineer

TITLE :

Analysis of Voltage-Current Characteristics of Silicon

Diodes

PERIODICAL: Elektrotechnick Obzor, 1960 Vol.49, No.10, pp. 530-537 TEXT: The characteristics of several silicon rectifier diodes are analysed. One type of the diode is made of n-type of material and results in a p-n-n junction. Another diode is made of type-p material and its base plate is alloyed with aluminium on one side and with AuSb on the other. In this way px-p-n junctions First, the inverse current voltage-characteristics are obtained. of n-type and p-type junctions are considered. The n-junctions had the following parameters: average resistivity of 100 Ω cm, thickness of the base plate of 0.5 mm and area of 150 mm². The measured characteristics of these junctions are shown in Fig.1 and 2; the figures show the current density in µA/cm2. Theoretically the current density in the reverse direction is expressed by

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 $J_{n} = J_{o} e^{-\alpha} \frac{W}{kT}$

(1)