ACC NRi AP7005853

SOURCE CODE: UR/0181/66/008/012/3617/3620

AUTHOR: Dutchak, Ya. I.; Stets'kiv, O. P.; Osypenko, V. P.

ORG: L'vov State University im. I. Franko (L'vovskiy gosudarstvennyy universitet)

TITLE: Thermal emf of certain metals and alloys in the liquid state

SOURCE: Fizika tverdogo tela, v. 8, no. 12, 1966, 3617-3620

TOPIC TAGS: thermal emf, liquid metal, indium base alloy, crystallization, electric conductivity

ABSTRACT: Inasmuch as this subject has not been thoroughly investigated in the past, the authors studied the thermal emf of six metals (Sn, Pb, Zn, In, Bi, Sb) as they go to the crystallization point, and of several liquid alloys of the In-Sn and In-Pb systems. The thermal emf was measured in a temperature range of 100° above and below the crystallization point. The samples were molten in an oven with two heaters, to permit exact control of the temperature differential. The thermal emf was measured with a photorecorder pyrometer and with mirror galvanometers, and the temperature was measured with thermocouples. The results were plotted in such a way that it was possible to obtain continously the vales of the emf coefficients, starting with the instant when both ends of the cample were liquid, to the instant when both solidified. Plots of the absolute thermal emfs of the metals and alloys tested and a table listing the change in the coordination number, the electric conductivity, and the thermal emf of the metals on going from the liquid to the solid state is presented. It is

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Dutchak, Ya.Y.

FIME 8

On the Temperature Dependence of Near Order in Liquid Lead

HERIODICAL: Ukrayins'kyy Fizychnyy Zhurnal, 1960, Vol. 5, No. 1, pp. 94 - 99

The paper presents results of a roentgnographic investigation of liquid lead at various temperatures, as well as the results on the "blurring" of the crystal lattice with the determination of the temperature dependence of the structural diffusion coefficient. The roentgenograms were obtained in a vacuum chamber in the copper emission. This emission was subjected to a monochromatic treatment effected with the aid of differential filters. The sample intended for the investigation was placed in a ceramic cup, in which a nickel-chromium heating spiral was installed. A simple device helped to dislocate the cup with the melt in it into vertical direction, which made it possible to keep the surface of the melt in a fixed state. The temperature of the melt was measured by means of a chromel-alumel thermocouple. The body of the chamber and the cassette were cooled by running water. It was possible to replace the cassette containing the film, in consequence of which a series of roentgenograms could be ob-

Vard 1/3

S/185/60/005/001/010/018 A151/A029

On the Temperature Dependence of Near Order in Liquid Lead

tained on one film. The roemtgenograms were then micro-photometered on a M Φ -2 (MF-2) visual micro-photometer. The investigation of the liquid lead was conducted at temperatures of 330, 360, 380, 405, 425 and 450°C. The intensity of the dispersion of X-rays by liquid lead were obtained which are characterized by three maxima. The shape of these maxima changes with a temperature increase. A determination was also made of the radial distribution curves which are characterized by maxima in the case of r = 3.44 Å and r = 4.94 Å. With a temperature rise these maxima descend and become wider. Both the intensity and radial distribution curves were determined for liquid lead at various temperatures. It has also been ascertained that, close to the melting temperature, the coordination number of liquid lead is 11.4 and the radius of the coordination sphere 3.44 Å. A rise in the temperature of liquid lead causes a decrease in the coordination number. Following from the results of the "blurring" of the lattice, it can be said that the structure of liquid lead is characterized by a cubic tightly-packed lattice. It can be seen that the structural duffusion coefficient increases with a temperature increase. This increase agrees with the decrease in the coordination number. In closing, the author expresses his gratitude to Professor A.Yu. Glauberman and Docent O.M. Muzychuk for their valuable instruc-

Card 2/3

S/185/60/005/001/010/018 A151/A029

 $0.1\,$ the Temperature Dependence of Near Order in Liquid Lead

tions and advice, as well as to the student I.I. Marchak for the assistance rentered in the course of this experiment. There are 4 figures and 12 references: 4 Soviet, 5 English, 2 German and 1 unidentified.

ASSOCIATION: L'vivs'kyy derzhavnyy universytet im. Iv. Franka (L'vov State University imeni Iv. Franko)

SUBMITTED: June 20, 1959

Card 3/3

DUTCHENKO, P.N., gornyy inzh.

Efficient use of the capacities of 167A-SE-PE separators at the Krivoy Rog Southern Mining and Ore Dressing Combine. Gor. zhur. no.6:71-73 Je '63. (MIRA 16:7)

1. Yuzhnyy gornoobogatitel'nyy kombinat, Krivoy Rog. (Krivoy Rog Basin—Separators (Machines))

GHELERTER, Iuliu, conf.; DUTESCU, B., dr.

Humanism and medicine. Med. intern. 15 no.3:257-261 Mr '63. (PHILOSOPHY, MEDICAL)

ALMAMIA

DUTESCU, B., MD.

Bucharest, Viata Medicala, No 19, 1 Oct 63, pp 1357-1359

"The Social and Political Attitude of Gh. Marinescu."

DRAGOMIRESCU, D.; DUTESCU, Gh.; MARINESCU, L.; NEAGU, D.; RADULESCU, C.

Establishing optimum conditions for the work with a Wilson chamber. Studii cerc fiz 13 no.3:479-483 '62.

1. Institutul de fizica atomica, Bucuresti.

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DUTESCU, No RUMANIA/General Problems of Pathology - Tumors.

T-5

Abs Jour : Ref Zhur - Biol., No 1, 1958, 3182

Author

: Dutescu, N., Timosca, Gl., Mrma, I.

Inst

Title

: Mixed Tumors of the Hard and Soft Palate.

Orig Pub

: Stomatologia, 1956, 3, No 3, 230-238

Abstract : No abstract.

Card 1/1

MATEESCU, N.; DUTESCU, N.

A device for measuring diffusion length of the neutrons in liquids. Studii cerc fiz 12 no.3:661-666 '61.

1. Institutul de fizica atomica, Bucuresti.

(Neutrons) (Diffusion) (Liquids)

S

RUMANIA / Human and Animal Morphology, Normal and Pathological.

Digestive System.

Abs Jour : Ref Zhur - Biol., No 8, 1958, No 35917

Author : Dutescu, N.; rusu, M.

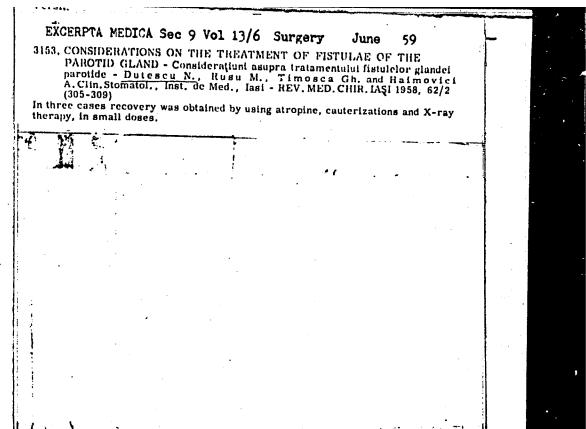
Inst : Not given
Title : Statistical Data Concerning Odontogenetic Cysts of the

Jaws.

Orig Pub : Stomatologia, 1957, 4, No. 3, 257-262

Abstract : Not given

Card 1/1



ILIESCU, C.C.; IANOVICI, M.; DUTESCU, N.; IONESCU, V. Th.

Laboratory electromagnet for intense fields. Studii cerc fiz 14 no.1:57-72 *63.

1. Institutul de fizica atomica Bucuresti.

DUTIKOV, A. P.

Brigade cost accurring in the shaped steelcasting shop. Lit. proiz., No 5, 1952.

Reducing losses in steel smelting. Lit.proisv. no.8:1-2 H '54. (Steel castings) (MIRA 8:1)

DUTIKOV, N. I.

AUTHOR:

Dutikov, N.I., Engineer

128-58-4-1/18

TITLE:

Foundries in the Gor'kiy Economic Administrative Region (Liteynyye Tsekhi Gor'kovskogo ekonomicheskogo administrativ-

nogo rayona)

PERIODICAL: Liteynoye Proizvodstvo, 1958, No. 4, pp 1-2 (USSR)

ABSTRACT:

General information is given on the present state of the foundries in the Gor'kiy Administrative Region and activities of the Gor'kiy Sovnarkhoz, which administers about 400 industrial and construction enterprises. The Sovnarkhoz-organized inspections of the 65 foundries revealed lack of mechanization, poor utilization of equipment, delayed reconstruction, a wages system giving no incentive to skilled workers such as molders, gas and dust polluting the air in the foundries and impairing health. The yearly production per square meter of floor space is on an average 0.6-0.8 t, and per worker 15-25 t (17.2 t at the Plant imeni Sverdlov, 20 t at the Plant imeni Vorob'yev, 16 t at the "Dvigatel' Revolyutsii"). Only 27% of molding work is mechanized at the "Teplokhod" and only 10% at the "Vtorchermet", etc. In numerous foundries net production cost per ton of cast iron amounted to

Card 1/2

Foundries in the Gor'kiy Economic Administrative Region

128-58-4-1/18

planned by the Sovnarkhoz include improvement of working conditions and offering incentives through bonuses. Special designer groups are being employed to promote mechanization, and modernization. It is planned to use chemically-hardening mixtures for water glass for molds and cores, to use sand blasting and sand-jet methods for ramming molds and cores, to utilize experiences gained by leading Soviet and foreign years is: 36% in cast iron, 30% in malleable cast iron, 15% in steel, 40% in non-ferrous metal castings. Fre-heated cupola blast will be introduced this year at many foundries.

AVAILABLE:

Library of Congress

Card 2/2

1. Industrial engineering 2. Economic conditions-USSR

DUTIKOV, S. S.

AUTHORS:

91-58-7-6/27

Dutikov, S.S.; Shevelev, A.A.; Vaytsman, V.M., Engineers

and Vnukov, A.K., Candidate of Technical Sciences

TITLE:

Exchange of Experience(Obmen opytom). The Automated Oper-

ation of Mills (Avtomatizatsiya raboty mel'nits).

PERIODICAL:

Energetik, 1958, Nr 7, pp 19-20 (USSR).

ABSTRACT:

In 1957, 5 drum ball mills (4 mills of "Sh-16" type and 1 biconical mill of "ShK-25" type) were automated according to the design suggested by Yuzhnoye otdeleniye ORGRES (the "ORGRES" South Branch Office). The following equipment was utilized: electronic controllers of "ER-III" type on 2 mills and electomechanical direct feedback columns of the "Energodetal' " plant on 3 mills. Their structural details and operation are described. The first experimental service of this automated system proved its operational stability and wide control range, as well as easy maintenance. The various requirements to be met for automating mills,

Card 1/2

such as good dust system, continuous aeration etc. are

Exchange of Experience

91-58-7-6/27

outlined. The "dust level" automation of mills must guarantee a decrease in consumption of electric energy for the preparation of pulverized coal by 3 to 4 kwh per ton of milling. There are 2 diagrams.

1. Ball mills--Operation 2. Ball mills--Electronic controls

Card 2/2

BARANOVA, S.I.; DUTIKOVA, B.A.

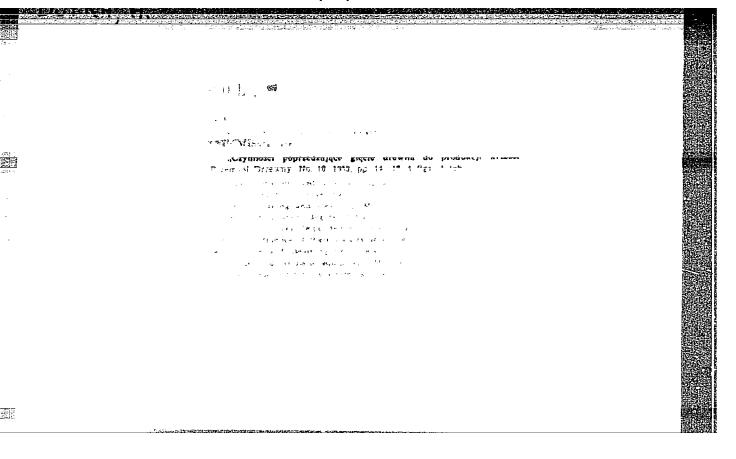
They reached the threshold of 1965. Tekst.prom. 20 no.6:89 Je '60. (MIRA 13:7) (Vladimir Province--Textile industry)

SKERLAK, Tibor; SKUNDRIC, B.; DUTINA, P.

Electromotive forces of concentration cells in dimethylsulfoxide. Glasnik hemicara BiH 11:53-57 *62.

- 1. Laboratory of Physical Chemistry, Chemical Institute,
- University of Sarajevo.

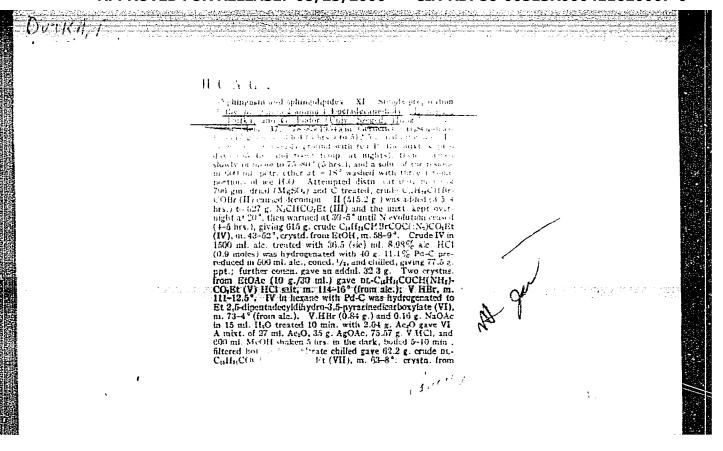
 2. Membre du Comite de redaction, "Glasnik Drustva hemicara i tehnologa SR Bosne i Hercegovine" (for Skerlak).

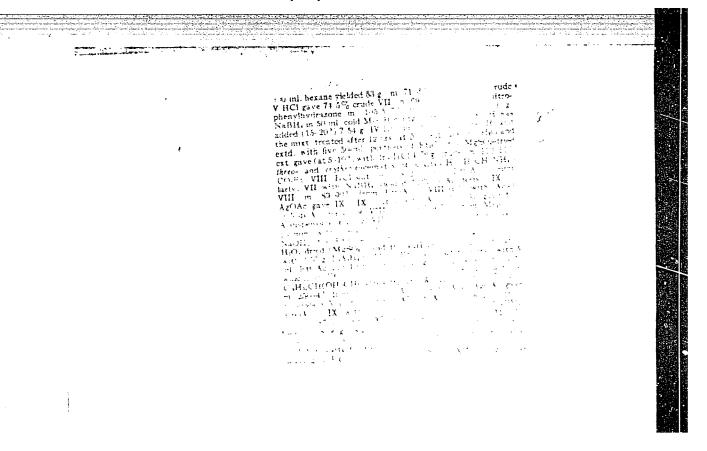


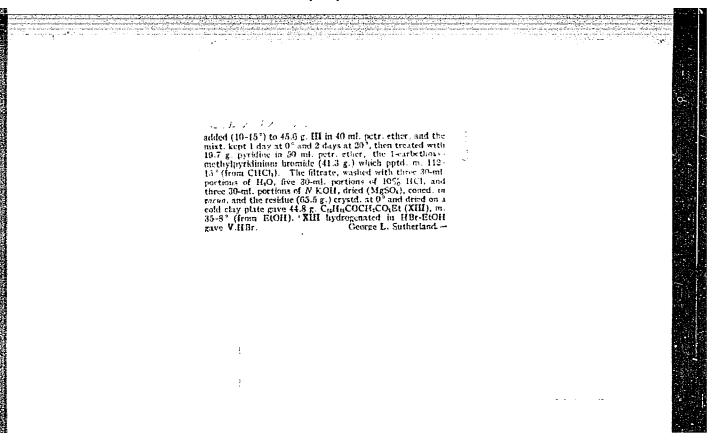
DUTRA, F.

Hungarian Technical Abst. Vol. 6 No. 1 1954 12. The chemistry of benzene sulfinic acids — Adalok a benzelsculfinsar kémbijához — L. Szekeres and F. Dutka. (Journal of the Hungarian Chemical Society — Mayar Kémikusok Lapja — Vol. 8, 1953. No. 3, pp. 92-93. 4 tabs.)

The authors established that the redox potential values of the benzene sulforic-benzene sulfinic ion system and of the iodine-lodide for system are very close to each other. Statements in literature also verify that benzene sulfinic acid can be oxidized with fodine at 05" C. Bromine oxidizes benzene sulfinic acid quantitatively into benzene sulfonic acid and this reaction was found suitable at the same time for the determination of benzene suffinie acid. It was established, moreover, that the sodium salt of benzene sulfinic acid is stable on air, however, exidation and disproportionation occur in an acid solution. It was proven that not only bromine solutions but bromic acid, potassium permanganate and potassium carbonate solutions can also be measured volumetrically directly with a solution of the sedimin salt of benzene sulfinic acid in acid media.







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UUIKH, F.			Н
	en e		46
	14. Stereuchemical and synthetic studies in the sphingosine field, KHI. Preparation of DL-threo-r-acetamino-14-di-acetory-octadecane (in Finship)		
	acetoxy-octadecane (in English) Salitary		
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DUTHA, F.

HUNGARY/Organic Chemistry - Natural Substances and Their

Synthetic Analogues.

Abs Jour

: Ref Zhur - Khimiya, No 7, 1958, 21601

Author

: G. Fodor, I. Sallay, F. Dutka

Inst

Title

: Quaternary Ammonium Salts Derived of (-)-Lupinine.

Orig Pub

: Acta phys. et chem. Szeged, 1956, 2, No 1 -4, 77-79

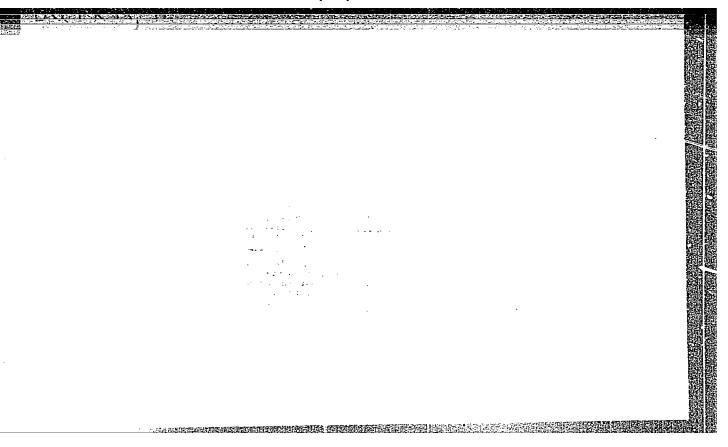
Abstract

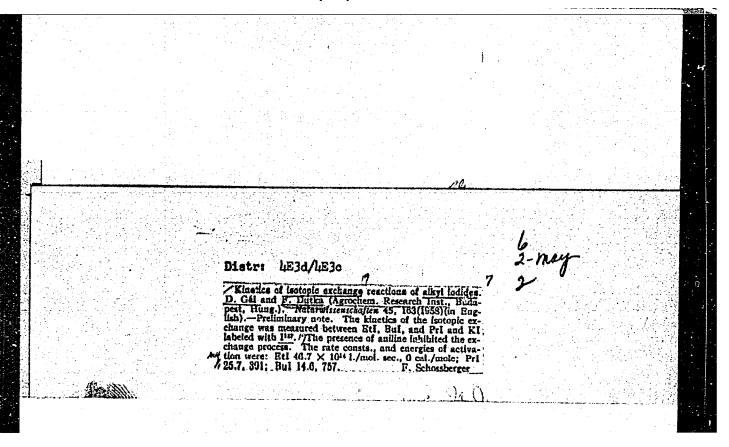
: The configuration of the oxymethyl group with respect to the N atom in (-)-lupinine (I) was studied. Epimer iodides were prepared by the action of CH2ICOOC2H5 (II) on I.

The epimer (III), melting point 154° , $\sqrt{\alpha}$ $\sqrt{24}$ D = -49.06° (c = 1.591), was prepared at about 200 of 1.07 g of I and 1.284 g of II in 3 mlit of absolute C6H6. The epimer (IV), melting point 148 to 150°,

1.05), was obtained of 0.354 g of I and 0.428 g of II in

Card 1/2





DUTKA, F.

V Study of drganic reactivity by redioactive isotoges.

Desso Gål, Pereuc Dutka, Lászió Guçzi, imre Kende, and Leneine Kech. Magyar Kim. Folyoirus Gå, 191-Gá 1963).—

Isotope exchange reactions between I'm labeled Ki and Et, Pr, Bu, phenethyl, 3-phenylpropyl, and 4-phenylbutyl iodides were followed by detin, of the sp. activity of the org. iodide. Concus. of org. iodide were 0.2 mole/l, and of KI, 0.105 mole/l., in abs. alc. soln. The addn. of aniline to the mixt, inhibited isotope exchange; this was attributed to reaction with the org. radical resulting in splitting of the iodine atom from the structure. Desorption of the org. iodides from red P and active C was studied with a differential manometer and a counter. Graphs of the data showed that there was a const. value of activation energy for a given surface at a given temp. On the surface of red P there were at least 3 adsorption zones of different heats of adsorption. At the highest energy-level, there was rupture of the C—I boud, the liberated iodine atom forming P iodides with the adsorbent. At an intermediate energy-level, the C—I rupture still occurred with the iodine atom moving to the lowest energy level, at which the C—I bond remained stable and an alkyl iodide polymer formed and inhibited sp. activity of the adsorbent. Desorption from active C also started from zones of min. adsorption was reversible. An abs. alc. soln. of the org. iodides was shaken with a known amt. of active C for a few days until adsorption equil. was attained, the adsorbent filtered off and mixed with alc. soln. of KI, measuring the increase of I¹¹² activity of the soln. The extent of isotope exchange between org. iodides adsorbed on C and KI was the same. With red P, however, no exchange vas observed. Chem. reaction took place during adsorption on red P. Relevant kinetic data were tabulated and shown graphically.

DUTKA, F.

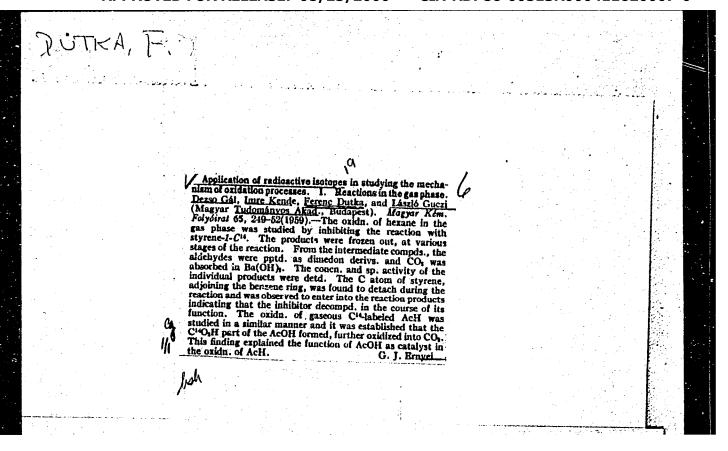
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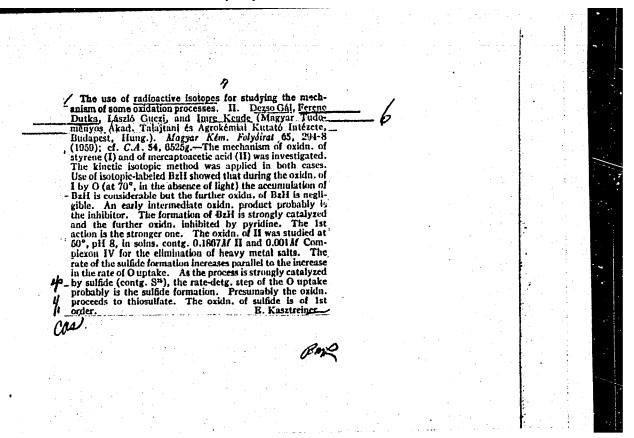
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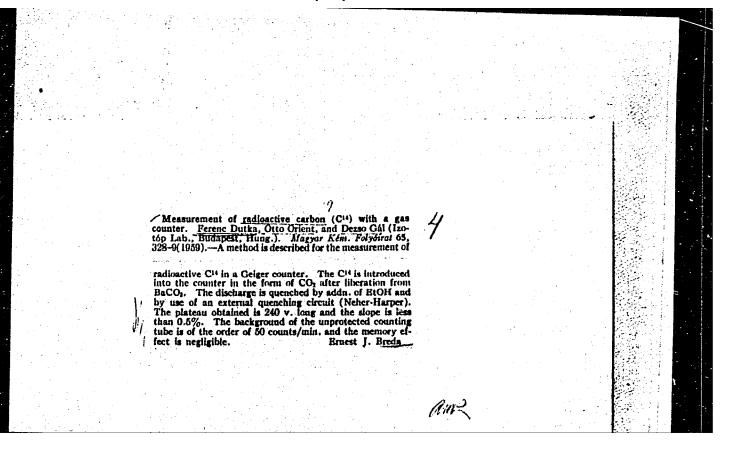
Kinetics of styrene oxidation in the presence of labeled beazaldehyde. P. Dutka and D. Gái (Hungarian Acad. Sci., Budapest). Atompravis 5, 445 (1959), in English).—The mechanism of styrene oxida, by O at 70° and 760 mm. Hg was investigated. The role of BzH, the main intermediate, was examd, using a kinetic isotope method, by adding Ci-lubeled BzH to the system. The rate of formation of BzH was much larger than that of its further oxida, Addn. of pyridine increased the unit. of BzH produced.

R. S. Kahan

3- grg (No)







GAL, Dezso; KENDE, Imre; DUTKA, Ferenc; GUCZI, Laszlo

Application of radioactive isotopes in the examnation of the mechanism of some oxidation reactions. Pt. 1. Magy kem folyoir 65 no. 7:249-252 Jl '59.

1. Magyar Tudomanyos Adademia Talajtani es Agrokemiai Kutato Intezete Izotop Laboratoriuma, Budapest.

DUTKA, Ferenc; ORIENT, Otto; GAL, Dezso

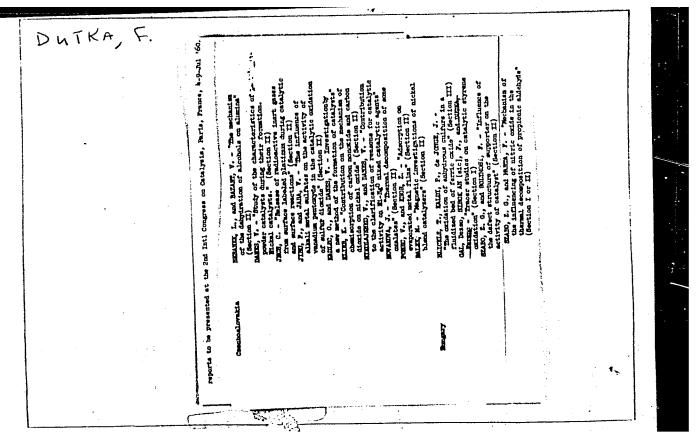
Measuring radioactive carbon (C14) by gas counter. Magy kem folyoir 65 no. 8:328-329 Ag '59.

1. Magyar Tudomanyos Akademia Talatani es Agrokemiai Kutato Intezete Izotop Laboratoriuma, Budapest.

GAL, Dezso; DUTKA, Ferenc; GUCZI, Laszlo; KENDE, Imre

Application of radioactive isotopes in the examination of the mechanism of some oxidation reactions. Pt. 2. Magy kem folyoir 65 no. 8:294-298 Ag 159.

1. Magyar Tudomanyos Akademia Talajtani es Agrokemiai Kutato Intezete Izotop Laboratoriuma, Budapest.



DUTKA, F.; ORIENT, O.; GAL. D.

Measuring radioactive coal (C E) by gas meter; a short communication. p. 328. FACYAR KEMIAI FOLYOTRAT. (Magyar Kemikusok Egyesulete) Eudapest, Hungary Vol. 65, no. 8, Aug. 1960

Monthly List of East European Accession (DEAI), LC, Vol. 9, no. 2, Feb. 1960 Uncl.

DUTKA, Ferenc

An account of my study trip to Czechoslovakia. Kem tud kozl 18 no.3:499-501 162.

1. Magyar Tudomanyos Akademia Kozponti Kemiai Kutato Intezete, Budapest.

DUTKA, Ferenc

An account of my study trip to Poland. Kem tud kozl MTA 21 no. 4:465-467 164.

1. Central Research Institute of Chemistry, Hungarian Academy of Sciences, Budapest.

FODOR, G.; URESCH, F.; DUTKA, F.; SZELL, T.

Lactonization and ring inversion in the pyrrolizidine series. Coll Cz Chem 29 no.1:274-279 Ja 64

1. Stereochemical Research Laboratory, Hungerian Academy of Sciences, Budapest (for Fodor and Uresch). 2. Central Institute of Chemistry, Hungarian Academy of Sciences, Budapest (for Dutka). 3. Department of Applied Chemistry, University, Szeged (for Szell).

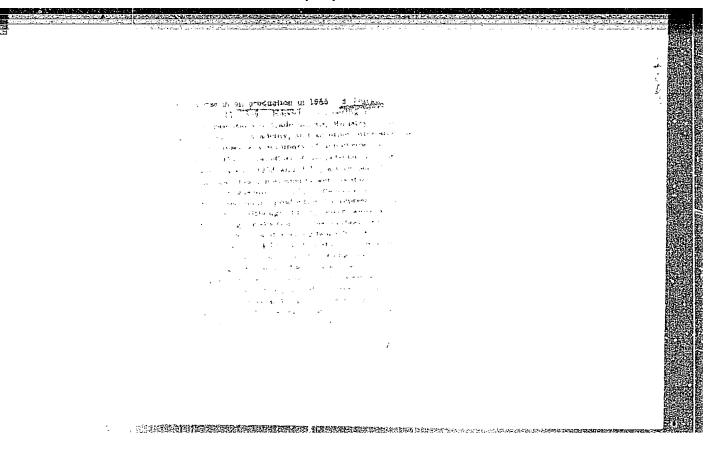
L 17635-66 EWP(j) RM SOURCE CODE: HU/2502/65/043/001/0053/0061 ACC NR: AT 6009210 AUTHOR: Otvos, Laszlo-Etvesh, L.; Dutka, Ferenc; Tudos, Helga-Tyudesh, Kh. 33 ORG: Central Research Institute for Chemistry, Hungarian Academy of Sciences, Pt/ Budapest TITLE: Investigations with radioactive acetic anhydride. Part 3: Examination of the acyl group exchange reactions of carboxylic acid derivatives with acetic anhydride SOURCE: Academia scientiarum hungaricae. Acta chimica, v. 43, no. 1, 1965, 53-61 TOPIC TAGS: acetic anhydride, tracer study, carbon, alcohol, acetate, amine, pyridine, ester, chemical reaction Acetates of secondary, primary, and tertiary alcohols and N-acetylated amines were treated with C-14 labeled acetic anhydride in the presence of pyridine or of aluminum chloride. The esters of tertiary alcohols and also diacyl amines were shown to undergo an acyl exchange under these conditions with the anhydride by incorporation of radioactive carbon. The mechanism of the process was discussed. Orig. art. has: 4 figures SUB CODE: 07 / SUBM DATE: none / ORIG REF: 002 / OTH REF: 015

GELEJI, Frigyes; DUTKA, Gyorgy

Fiber formation from polypropylene. Magy textil 15 no.11: 506-507 163.

1. Muanyagipari Kutato Intezet.

Hydrologic Laboratory of the Breslau Folytechnic. (To be contd.) p. 362 (Gaz, Woda I Technika Sanitarna. Vol. 31, no. 10, Oct. 1957. Warszaws, Foland) Monthly Index of East European Accessions (EEAI) I.C. Vol. 7, no. 2, February 1958



DUTKA, St.: & WOJNAR, J.: POLIND
"Achievements and Goals of the Petroleum Industry," Nafta, Stalinogrod, Jan 56.

DUTKA, S.

DUTKA, S. Having achieved the purpose of the 6-Year Plan we now begin the 5-Year Plan. p. 1, Vol. 12, no. 1, Jan. 1956. NAFTA Krakow, Poland.

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000411620007-0

RM/WW/JW/WE L 30133-66 EWP(j)/T

ACC NR: AP6020350

SOURCE CODE: RU/0003/65/016/008/0366/0371

AUTHOR: Dutkai E.

 \mathcal{B}

ORG: CHIMIGAZ Institute, Medias (Institutul CHIMIGAZ)

TITLE: Electric-arc pyrolysis of a mixture of methane and higher paraffin hydrocarbons and the utilization of the sensible heat of cracked gases

SOURCE: Revista de chimie, v. 16, no. 8, 1965, 366-371

TOPIC TAGS: acetylene, methane, butane, pyrolysis

ABSTRACT: The author reports on some tests aiming at the reduction of the electric power consumption involved in the preparation of acetylene by means of the electricarc pyrolysis of methane. The tests concerned the introduction of a methane-butane mixture into the pyrolysis reactor and the use of the heat of cracked gases for the pyrolysis of some petroleum-type liquid hydrocarbons. Orig. art. has: 6 figures and 1 table. [Based on author's Eng. abstract] [JPRS]

SUB CODE: O7 / SUBM DATE: none / OTH REF: Oll

Card 1/1

UDC: 662.766.4.092.193

DUTKEVICH, I.G. (Leningrad, Vasil'yevskiy ostrov, 20-ya liniya, d.13, kv.56)

> Morphological changes in the blood vessels in thrombo-obliterative diseases of the lower extremities. Vest.khir. no.4:46-52 161. (MIRA 14:4)

> 1. Iz kliniki obshchey khirurgii 1-go Leningradskogo meditsin-skogo instituta im. I.P. Pavlova i khirurgicheskoy kliniki Leningradskogo ordena Trudovogo Krasnogo Znameni nauchno-issledovatel'-skogo instituta perelivaniya krovi (nauchn. rukovod. - prof. A.N. Filatov). (ARTERIOSCLEROSIS) (THROMBOSIS)

DUTKEVICH, I.G. (Leningrad, B. 0.,20 ya liniya, d.13, kv.56)

Indications for restorative operations in thrombo-obliterating arterial diseases of the lower extremities in the light of clinical and anatomical comparisons. Vest.khir. no.8:40-45 *61. (MIRA 15:3

1. Iz kliniki obshchey khirurgii 1-go Ieningradskogo meditsinskogo instituta im. I.P. Pavlova i khirurgicheskoy kliniki (zav. - prof. A.N. Filatov) Ieningradskogo instituta perelivaniya krovi.

(ARTERIES-DISEASES) (EXTREMITIES, LOWER-DISEASES)

GOLOVIN, G.V., prof. (Leningrad); DUTKEVICH, I.G., kand.med.nauk (Leningrad)

Review of H. Gelbke's book "Restorative and plastic surgery." Vest.
khir. 92 no.3:148-152 Mr '64. (MIRA 17:12)

DUTKEVICH, I.G. (Leningrad, V-26, 20-ya liniya, 13, kv.56); MEDVEDEV, P.M.

Anesthesia in extensive operations for elephantlasis. Vest. khir. 92 no.4:97-101 Ap 164 (MIRA 18:1)

1. Iz khirurgicheskoy kliniki (zav. - prof. A.N. Filatov) Leningradskogo ordona Krasnogo Znameni nauchno-issledovatel skogo instituta perelivaniya krovi (direktor - dotsent A.D. Belyakov).

LIDSKIY, A.T., prof., zasluzhennyy deyatel' nauki; VEKSLER, G.Ya., dotsent (Sverdlovsk); NAPALKOV, P.N., prof., zasluzhennyy deyatel' nauki (Leningrad); SATIN, Petko D. (Sofiya, Bolgariya); GOLOVIN. G.V., prof.; DUTKEVICH, I.G., kand. med. nauk (Leningrad); KHROMOV, B.M., prof. (Leningrad)

Reviews. Vest. khir. 93 no.8:125-141 Ag '64.

(MIRA 18:7)

1. Chlen-korrespondent AMN SSSR (for Lidskiy).

DUTKEVICH, Yu. G.

Representation of a surface by its support function. Vest. LGU 18 no.1:53-58 '63. (MIRA 16:1)

(Surfaces)

DUTKEVICH, Yu.G.

On the inclination of the chords of a curve and the inclination of its contingency rays. Vest. IGU 17 no.19:16-25 162.

(MIRA 15:10)

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DUTKAY, L.

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AUTO MOTOR, Budapest, Vol. 8, no. 16, Aug. 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955, Uncl.

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Research on tumor-inhibiting compounds. I. Synthesis of some N,N-dimethyl-1, n-diaminoalkanes. Rocz chemii 33 no.6:1291-1298 '59. (EEAI 9:9)

1. Katedra Technologii Srodkow Leczniczych Politechniki, Gdansk i Pracownia Nr 8 Zakladu Syntezy Organicznej Polskiej Akademii Nauk Gdansk.

(Tumors) (Amino group) (Paraffins) (Methyl group)

CZAJKA, Wladyelaw, mgr inz.; DUTKIEWICZ, Daniel, mgr inz.

Trawling arrangements as applied in the m.t. Kastor factory trawler. Bud okretowe Warszawa 8 no.5:169-171 My '63.

1. Merski Instytut Rybacki, Gdynia.

WOJCIAK, Waclaw; DUTKIEWICZ, Edward

Studies on changes in the properties of lyophilic substances by damping the polarographic maxima. Prace matem przyrod Poznan 10 no.2:89-97 '62.

1. Department of Physical Chemistry, Adam Mickiewicz University, Poznan.

DUTKIEWICZ, Edward

Influence of certain lyophile systems on the differential capacity of the electric double layer at the boundary between the phases: mercury/electrolyte. Mat chemia no. 7:43-60 163.

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DUTKIEWICZ, Edward, dr. adiunkt

Certain properties of the electric double layer in the light of recent theoretical and experimental studies. Wiad chem 17 no.12:739-751 D'63.

1. Katedra Chemii Fizycznej, Uniwersytet im. Adama Mickiewicza, Poznan.

DUTKIEWICZ, J.

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p.19 (Chronmy Przyrode Ojczysta, Vol. 14, No. 4, July/Aug. 1958. Kradow, Poland.)

Monthly Index of East European Accessions (EEAI) LC, Vol \S , No. 1, Jan. 59

DUTKIEWICZ, J.

"The caribou is facing extermination"

p. 19 (Chronmy Przyrode Ojczysta, Vol. 14, no. 5, Sept./Oct. 1958 Krakow, Poland)

Monthly Index of East European Accessions (EEAI) LC, Vol. 8, No. 1, Jan. 59.

DUTKIEWICZ, J.S.

Vital capacity of the lungs in inhabitants of Upper Silesia. Med. pracy 6 no.4:209-218 1955.

1. Z Sekcji Fisjologii Pracy Instytutu Medycyny Pracy w Zabrsu-Rokitnicy; Kierownik: prof. dr. Br. Zawadski. (LUNGS, physiology vital capacity in inhabitants of Upper Silesia, Poland)

DUTKIEWICZ, Jersy S.

Modifications of body weight and of body temperature in man following exposure to high environmental temperature; effect of dry heat. Acta physiol. polon 6 no.4:377-385 1955.

1. Z Sekcji Fizjologii Pracy Instytutu Medycyny Pracy w Przemyśle Weglowyn i Hutniczym w Zabrzu-Rokitnicy. Kierownik: prof. dr. Br. Zawadski. Prace doswiadzalne wykonano w Ośrodku Badań Lekarskich Ratowników przy Stacji Ratownictwa Górniczego P.W. w Bytomiu.

(HEAT, effects,
on body temperature & body weight, dry heat (Pol))
(BODY TEMPERATURE,
eff. of dry heat (Pol))
(BODY WEIGHT,
eff. of dry heat (Pol))

DUTKIEWICZ, J.S.; GIEC, L.; ROZEUS, J.; STRZODA, L.

Changes in the circulatory system and in respiration in man exposed to increases invironmental temperature at rest; effect of dry heat. Acta physiol. polon 6 no.4:387-400 1955.

1. Z Sekcji Fizjologii Pracy Inst. med. Pracy w Przem. Weglowym i Hytniczmy w Rokitnicy. Kierownik: prof. dr. Br. Zawadzki Z III Ikiniki Chorob Wewnetrznych Slaskiej A.M. w Bytomiu Kierownik: prof. dr K. Gibineki. Prace doswiadzalne wykonano w Osrodku Badan Lekarskich Ratownikow przy Stacji Ratownictwa Gornienego PW w Bytomiu.

(HEAT, effect,
on blood & resp.
on blood picture, hemodynamics & resp. (Pol))
(BLOOD CIRCULATION,
hemodynamics, eff. of dry heat (Pol))
(BLOOD CELLS,
count, eff. of dry heat)
(RESPIRATION,
eff. of dry heat (Pol))

DUTKIEWICZ, Jerzy S.

Hemoglobin level in the population of Upper Silesia; I. Level of hemaglobin in the blood of students of Academy of Medicine of Silesia. Polski tygod.lek. 10 no.33:1082-1084 15 Aug. 155.

1. Z Zakladu Fizjologii Sl. A.M. w Zabrsu-Rokitnicy; kierownik: Zakladu prof. dr Br. Zawadski. Csesc I. Poziom hemoglobiny we Krwi studentow Slaskiej Akademii Medycznej. Zabrze-Rokitnica, Slaska Ak. Med.

(HEMOGLOBIN, determination, variations in Poland)

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Effect of DDT on Toxoplasma gondii. Wiadomosci parazyt.,
Warsz. 2 no.5: Suppl:61-62.1956..

1. Zaklad Mikrobiologii Lekarskiej AM.
(TOXOPLASMA, effect of drugs on,
gondii, DDT (Pol))
(DDT, effects,
on Toxoplasma gondii (Pol))
```

Poland/Pharmacology. Toxicology. Tranquilizers

Abs Jour : Ref Zhur-Biol., No 8, 1958, 37508

Author

: Dutkiewicz J.

Inst

: Not given

Title

: Effect of Largactil on Trichomonas foetus Ried in Vitro. (Deystviye largaktila na Trichomonas

foetus Ried in vitro)

Orig Pub : Acta parasitol. polon., 1956, 4, No 9-19, 601-608

Abstract : Largactil in concentration of 1:7000 killed Trichomonas foetus within 62 hours; in concentration of 1:1300 within 20 minutes. Under the influence of largactil Trichomonas foetus take on a round form. A dilution which does not kill Trichomonas

foetus arrests their reproduction.

Card 1/1

DUTKIEWICZ, J., AND OTHERS

"Further research on changes in bodies of people remaining still in dry heat. In German."

p. 89 (Bulletin) Vol. 4, no. 3, 1956 Varsovie, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

POLAND/Human and Animal Physiology - Physiology of Work and

T-12

Sport.

Abs Jour

: Ref Zhur - Biol., No 7, 1958, 32297

Author

: Dutkiewicz, J.S., Fiec, L., Drause, M., Strzoda, L.

Inst

Title

: Further Study of Changes in the Organism of a Man Spending

Time in a Ward in a Dry Hot Conditions.

Orig Pub

: Acta physiol. polon., 1956, 7, No 2, 159-168

Abstract

: In 62 mining rescuers placed for 2 hours in a chamber with little moisture and a temperature of 52-580, an increase was found of the pulse rate with an increase of the environmental temperature to 550, as well as a drop of the arterial pressure with no change of the pulse rate. Regular changes in the venal pressure and in the per-minute requirement of 02 were not observed. Observation of 330 rescuers during their stay in a chamber with a temperature of 39-47° showed different, in many ways indicidual,

Card 1/2

- 159 -

DUTKIEWICZ, J. S.; GIEC, L.; KRAUSE, M.; STRZODA, L.

Remote changes in man at rest exposed to dry heat. Acta physiol. polon. 7 no.2:159-168 1956.

1. Z Sekcji Fizjologii Pracy Instytutu Medycyny Pracy w P. W. i H. Zabrze-Rokitnica Kierownik: prof. dr. Br. Zawadzki Z III Kliniki Chorob Wewnetrznych Slaskiej A.M. w Bytomiu Kierownik: prof. dr. K. Gibinski.

(HEAT, effects, on man at rest (Pol))

DUTKIEWICZ, J. S.; GIEC, L.; KRAUSE, M.; STRZODA, L.; ZYGMUNT, M.

Changes in the human organism working with and without isolating apparatus in dry heat. Acta physiol. polon. 7 no.2:169-184 1956.

1. Z Sekcji Fizjologii Pracy Instytutu Medycyny Pracy w P. W. i H. i z Zakladu Fizjologii Slaskief A.M. w Zabrzu Kierownik: prof. dr. Br. Zawadzki Z III Kliniki Chorob Wewnetrznych Slaskiej A.M. w Bytomiu Kierownik: prof. dr. K. Gibinski Z Stacji Ratownictwa Gorniczego P. W. w Bytomiu Dyrektor: mgr inz. K. Cehak.

(HEAT, effects,
on man working with & without protective devices (Pol))
(WORK.

eff. of heat on man working with & without protective devices (Pol))

POLAND/Human and Animal Physiology. Thermoregulation.

T-3

Abs Jour: Ref Zhur-Biol., No 12, 1958, 55370.

Author : Dutkiewicz, I.S., Plonski, I., Spioch, F., Strzoda, L.

Inst

Title : Changes in the Blood Circulation System of People

Resting in Conditions of Humid Heat.

Orig Pub: Acta physiol. polon., 1956, 7, No 4, 435-447.

Abstract: When 468 healthy, 20-45 years old life savers

(from a mountain area) were placed in a restful position into a heat chamber with a 50° [C] temperature and a relative humidity of 50 percent, their maximal arterial pressure (AP) decreased considerably during the first 30 minutes. The decrease which followed then was insignificant, for the lowest AP amounted to 68 mm of the mercurial

Card : 1/3

27

POLAND/Human and Animal Physiology. Thermoregulation.

Abs Jour: Ref Zhur-Biol., No 12, 1958, 55370.

column. During the first 60 minutes of the experiment a significant decrease of the minimal AP was observed, Later, latthemsized on the same level. In 25 percent of the tested persons a decrease of the minimal AP down to zero was observed, although their wellbeing remained unchanged as compared to the other subjects. During the first 30 minutes of the experiment the blood pressure increased considerably. Subsequent increases were insignificant. After another 30 minutes they reached a constant high level, which did not change until the end of the experiment. After 30 minutes the average pulse rate increased to 115, and reached 138 beats per minute at the end of the test. In 325 workers an examination of the arterial tonus did not reveal specific changes of any kind.

Card : 2/3

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T-3

POLAND/Human and Animal Physiology. Thermoregulation.

T-3

Abs Jour: Ref Zhur-Biol., No 12, 1958, 55370.

This fact could be explained, however, by the inexactness of the oscillometric method. The average body temperature increased to 39.5° [C], and it sometimes reached 40.5° [C]. Thus, the conclusion may be drawn that it is unadvisable to stay longer than 2 hours under the conditions described above.

card : 3/3

28

DUTKIEWICZ, Jerzy S.

waterials are some single contract research Tables of standard values of vital capacity in the population of Upper Silesia. Polski tygod. lek. 11 no.35:1525-1528 27 Aug 56.

1. (Z sekcji Fizjologii Pracy Instytutu Medycymy Pracy w Przemysle Weglowym i Hutniczym w Zabrzu-Rokitnicy; kierownik: prof. dr. Br. Zawadzki). (RESPIRATION, vital capacity, normal standards (Pol))

EXCERPTA MEDICA Sec.15 Vol.10/7 Chest Diseases Jul57 1637. DUTKIEWICZ J. S. Sekcji Fizjol. Pracy Inst. Med. Pracy, Przemyśle Węglowym i Hutniczym, Zabrze-Rokitnicy. Oznaczanie aparatem Krogha powietrza Zalegującego w plucach Determination with Krogli's apparatus of the residual air in the lungs Pol. Tyg. lek. 1956, 11/40 (1703—1706) Illus. 3 An attempt was made to simplify the methods of measuring the residual air. Krogh's apparatus for determining the basal metabolism, in routine use in every hospital laboratory, was used. The method of adapting this apparatus for the measurement of the residual air in the lungs is described, and the technique employed is stated. The mergin of error of a simple measurement did not exceed ± 2%. Dobrowolski — Warsaw (XV, 6)

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DUTKIENICZ, JERZY

SCIENCE

DUTKIEWICZ, JERZY. Zarys fizjologii pracy cziowieka. Wyd 1. Warszawa, Parstwowy Zaklad Wydawn. Lekarskich, 1957. 153 p.

HILM DNLM Not in DLC

Monthly List of East European Accessions (EEAI) LC Vol. 8 no 4, April 1959, Unclass.

POLAND/Chamical Technology. Chemical Freducts. Safety and Sanitation

н-6

Abs Jour : Rof Zhur - Khimiya, 1958, No 22, 74496

1 Dutkiowicz J., Gallus H., Muzyczuk J., Olpinski W., Rozmus J. **Author**

, Not Given

Portable Apparetus for the Determination of CO2, CO, So2 and Inst $^{\mathrm{T}}$ itle

Orig Pub: Mod. pracy, 1958, 9, No 2, 121-138

Abstract: Design of a portable apparetus for measuring low concentration of CO₂, CO, SO₂ and H₂ in the mines and chemical plants is described. Samples of air are collected by means of a water aspiretor. The resgonts employed are: solution of Water aspirator. The responts employed are: solution of I205 (for CO and CO₂), Na₂S₂O₃·5H₂O in a solution with I (for SO₂ and H₂S). Simultaneous determination of CO₂ and CO or H₂S ans SO₂ is possible. The maximum error is 0.0001% basis volume. Formulas for calculations and sketches of the apparetus ero presented. Bibliography includes 6 nemes.

: 1/1 Cerd

17

DUTKIEWICZ, Jerzy

Prevention of skin diseases among mining crews. Wiadom gorn 10 no. 7/8:264 Jl-Ag *59.

STARZYK, J.; LACHOWICZ, T.; DOLEZAL, M.; DUTKIEWICZ, J.

A study on the specificity of the serologic reactions of Sabin-Feldman and of complement fixation with special reference to syphilitic reagins. Wiadomosci parazyt. 7 no.2:425-427 '61.

1. Zaklad Mikrobiologii Wydz. Farm. A.M. Wojsk. Lab. San-Higieniczne i Zaklad Mikrobiol. Lek. A.M. w Krakowie.

(SYPHILIS immunol) (COMPLEMENT)

STARZYK, J.; LACHOWICZ, T.; DOLEZAL, M.; DUTKIEWICZ, J.

Correlation between the Sabin-Feldman and complement fixation tests in the diagnosis of toxoplasmosis. Wiadomosci parazyt. 7 no.2: 429-430 '61.

1. Zaklad Mikrobiologii Wydz. Farm. A.M. Wojsk. Lab. San-Higieniczne i Zaklad Mikrobiol. Lek. A.M. w Krakowie.

(TOXOPLASMOSIS diagn) (COMPLEMENT)

STARZYK, J.; DUTKIEWICZ, J.; PISZCZ, K.

A test of the vitality of the protozoon Toxoplasma gondii by means of the safranine test. Wiadomosci parazyt. 7 no.2:431-432 '61.

1. Zaklad Mikrobiologii Wydz. Farm. A.M., Krakow.

(TOXOPLASMA pharmacol) (DYES pharmacol)

STARZYK, J.; DUTKIEWICZ, J.; TATAR, J.

Studies on the effect of lupulin on Trichomonas vaginalis in vitro. Wiadomosci parazyt. 7 no.2:457-458 161.

1. Zaklad Mikrobiologii Wydz. Farm. A.M., Krakow.

(TRICHOMONAS pharmacol) (PLANTS extracts)

DUTKIEWICZ, Jacek

Survey of the literature concerning the role of arthropods in the transmission of Toxoplasma gondii. Wiad. parazyt. 11 no. 5:443-452 | 65.

DUTKIEWICZ, K.

Planning the pork products establishments in the Spolem U_n ion of Consumers Cooperatives. p. 12

GOSPODARKA MIESNA. (Polskie Wydawnictwa Gospodarcze) Warszawa, Poland. Vol. 11, no. 7/8, July/Aug. 1959

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

Uncl.

DUTKIEWICZ, Marian, mgr inz.

"Stress and vibration measurements by electric means" by R. Zimmermann. Reviewed by Marian Dutkiewicz. Pomiary 8 no.1:42 Ja 162.

L.

DUTKIEWICZ, T.

POLAND/Safety Engineering - Sanitary Engineering. Sanitation.

Abs Jour : Ref Zhur - Khimiya, No 2, 1957, 7020

Author : Brzozowski, J., Czajka, J., Dutkiewicz, T., Kesy, I.,

Wojcik, J.

Inst

Title : Labor Hygiene and State of Health of Workers in the

Control of Potato Leaf Beetle by the Use of Hyxachlorocyc-

lohexane and Dichlorethane.

Orig Pub : Med. pracy, 1954, 5, No 2, 89-98

Abst : Study of the deleterious effects on man of HCCH and di-

chlorethane (I) used in agriculture to control potato leaf beetle. Various clinical symptoms of intoxication were found in 70% of people exposed to I and in 66% of those exposed to HCCH. Investigations of the ambient air showed that the HCCH content in the air was on the average of 0.12 mg/liter, and that of I 0.016 mg/liter, that is, below the specified hydrenic morrow. It is

that is, below the specified hygienic norms. It is

Card 1/2

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POLAND/Safety Engineering - Sanitary Engineering. Sanitation.

L.

Abs Jour : Ref Zhur - Khimiya, No 2, 1957, 7020

recommended to mechanize the field operations, require a preliminary medical examination of the workers, ensure their outfitting with protective clothing and improve sanitary education.

Card 2/2

DUTKIEWICZ, T.
PALUCH, E.; DUTKIEWICZ, T.

Chemical method of determination of the degree of exposure to toxic effects of aromatic nitro and amino compounds. Med.pracy 5 no.4:245-246 1954.

1. Z Dzialu Hygieny Pracy Instytutu Medycyny Pracy w Lodzi.

Dyrektor: prof. dr E.Paluch.

(POISONING,

aromatic amino & nitro cpds., chem. method of determ.

of degree of exposure)

DUTKIEWICZ, T.; KESY, I.

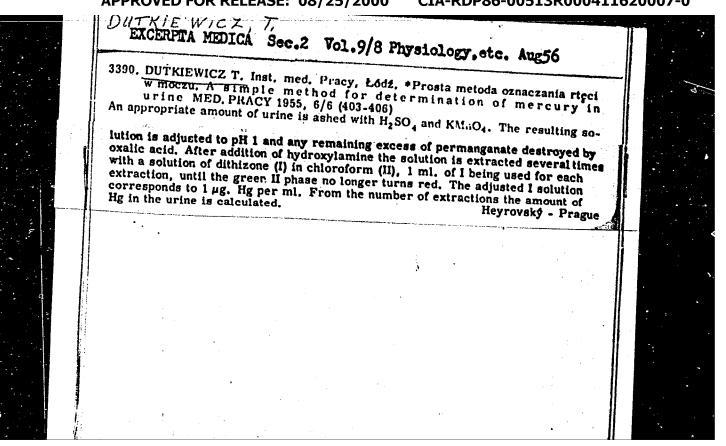
parameter the second

Determination of dichlorethane in the air and in urine. Med. pracy 6 no.4:235-241 1955.

1. Z Odds. Chemii Toksykologicsnej Instytutu Medycyny Prace w Lodsi. Dyrektor: prof. dr. E.Paluch. (ETHYL CHLORIDE, derivatives

dichlorethane, determ.)

dichlorethane determ.)



DUTKIEWICZ, T.

Factory toxicological laboratory, p. 82. (OCHRONA PRACY, Warszawa, Vol. 9, no. 3, Mar. 1955.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5, Jun. 1955, Uncl.

DUTKIEWICZ, T. dr farm.

New tasks of toxycological chemistry. Farm.polska 11 no.6:134-136 June 155.

1. Z İnatytutu Medycyny Pracy w Lodzi.Dyrektor doc.dr J. Mofer. (CHEMISTHY, toxicol., tasks)

FOLAND/Charical Tochnology. Chemical Freducts. Safety Engineering.H-6 Senitation Engineering.

Abs Jour : Rof Zhur - Khimiya, 1958, No 22, 74466

Author : Dutkiowicz T., Feluch J., NouhornU.

Inst : Not Given

Title : Comperison of Texicities of Corenic Glezings of High and

Low Lord Contonts.

Orig Fub : "od. precy, 1957, 6, No 6, 389-398

Abstract: Experiments were conducted on 6 rebbits and consisted in the intertracheal introduction of the ceremic glazing compound containing varying encumts of Fb. The dust of \$5.4 perticle size suspended in a \$5% physiological solution was administrated to the two groups of enimals in the 15-16 mg/kr desages of high Fb centent (I group) and of low Fb centent (II group). This corresponded respectively to 57 and 10% of Fb expressed as FbO. It was found that the Fb centent of urino of animals of the first group has increased by a factor of 40, and that of enimals of the second group by a

11

Card : 1/2

FOLAND/Chemical Technology. Chemical Froducts. Safety Engineering. H-6 Sanitation Engineering.

Abs Jour : Rof Zhur - Khimiye, 1958, No 22, 74466

factor of 13. After 6 days the Fb content of urine of animals of both groups become equal. After 7 weeks, the Fb content reached the physiological normal. Coproporphyrine was found in the urine of chimels of I end II groups on the third day ofter administering poison and it was found to be equal for both groups. Its presence in the urino continued on until the time whon Fb became normalized again. The hanoglobine content of blood was not affected by poisoning. Quentity of crethrecites declined but remained in the normel limits. Histological investigations conducted after 4 months revealed that Fb content of the internal organs of enimals of groups I and II was not approciably different. It was concluded that texicities exhibited by groups I and II wore practicelly identical. The deciding factor in the dotormination of hezzerd is the concentration of Fb in the eir independent of the type of a glazing. Bibliography includes 6 neros.

Cerd : 2/2