"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

Country : Poland
Category Chemical Technology. Chemical Products and Their Applications. -- Dyeing & Chem. Treatment of Text.
Abs. Jour R. Zh. - Khim., No. 11, 1959 Materials.

H-34
41055

Author :
Institut. :
Title :

Orig Pub. :

Abstract : the dye by the I, are about 30%. At 4% coloring and with a minimum amount of I, the ABD is decreased to zero. When the prechroming method is used, the dye loss is only about 4.5% and a more intense shade is obtained. Attempts to modify the afterchroming method with a view to the reduction of dye losses by the utilization of reducing agents (thioglycolic acid, thiosalicylic acid, $C_2H_2O_4$, phenylhydrazinesulfonic acid) have given no results. The prechroming process takes much time, apparently because of the slowness of the hydrolysis of the cystine bond in acid medium. In order to speed

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

H-34

Country : Poland
Category Chemical Technology. Chemical Products and Their Applications. -- Dyeing & Chem. Treatment of Text. 41055
Abs. Jour R. Zh. - Khim., No. 11, 1959 Materials.

Author :
Institut. :
Title :

Orig Pub. :

Abstract : up the reduction of the Cr(6+) absorbed in the undyed fiber, the author proposes the application of a reducing agent which does not attack the azo group in the dye, e.g., $Na_2S_2O_3$. The introduction of the above modification results in dye savings of up to 30-45%. The chroming is continued for one-half hr. A method has been developed for the determination of the AUD based on the treatment of the dyed wool with $C_2H_2O_4$ which forms a complex with the Cr. For Communication I see RZhKhim, 1958, 72712.

I. Fodiman

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APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZKAT, Kazimierz; HIGERSBERGER, Eva

Methods of leveling agent testing used for wool dyeing. Przegl wlokien 16 no.4:205-208 Ap '62. Przegl wlokien 16 no.4:205-208 Ap '62.

1. Instytut Przemyslu Organicznego, Zaklad Kolorystyki, Warszawa.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZKAT, MARIAN

55M/6
894.321
.M9

Atomnaya energiya i borba za mir atomic power and the struggle for peace
Moskva, Izd-vo inostrannoy literatury, 1951.
358 P.
Translation from the Polish: "Energia Atomova a walka o pokoj", Warszawa, 1951.
Bibliographical footnotes.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZKATOWA, B.

POL . .

Nutritive value of rye and wheat flours of different extractions. J. Rudowska-Koprowska, J. Łuczakowa, W. Szkiladziowa, and B. Muszkatowa. *Roczniki Państwowego Zakładu Hig.* 2, 78-90(1951)(English summary).—Wheat flours were found to contain more protein, fat, P, and B-complex vitamins than rye flours. The 97% extd. wheat and rye flours had: protein 9.6 and 7.1%; fat 2.8 and 2.2%; P 358 and 265 mg. %; vitamin B_1 429 and 306 γ%; vitamin B_2 221 and 134 γ%; nicotinic acid 1193 and 728 γ%.

L. I. Piotrowski

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZKATOWA, B.

MUSZKATOWA, B.; WOJNA, L.

"Biological value of protein compounds which are theoretically closely related to the proteins in meat according to their amino acid content" p. 307 (roczniki, No. 3, 1953, Warszawa)

SO: Monthly List of East European Accessions, Vol. 3, No. 3 Library of Congress, March 1953, Uncl.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZKATOWA, B

5

✓ The nutritive value of Polish meats, sausages, and offal. J. Rudowska-Koprowska, B. Muszkatowa, J. Łuczakowa, W. Szkiladziowa, and A. Wertheim. *Przemysł Rolny i Spożywczy* 7, 347-50(1953); *Food Sci. Abstr.* 26, 505(1954).—Analytical data on the compn. of pork, veal, beef, and offal, and of sausages, are tabulated. Water, protein, fat, ash, Ca, P, Fe, vitamins B_1 and B_2, and, in some of the samples, vitamin PP, were detd. K. L. C.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

COUNTRY : USSR

T

CATEGORY : Human and Animal Physiology, Metabolism

ABS. JOUR. : RZhBiol., No. 5 1959, No. 21725

AUTHOR : Muszkatowa, B.; Szkilladziowa, W.

INST. : --

TITLE : Dietary Proteins and their Biological Value in Combination.

ORIG. PUB. : Zh. gigiyeny, epidemiol., mikrobiol. i immunol. (Chekhosl.), 1957, 1, No. 3, 268--274

ABSTRACT : In experiments on rats determinations were made, according to weight gain, of the biological value of the proteins of 20 different meals composed of products of animal and vegetable origin. The biological values established in these experiments were compared with the values calculated from the tables of Block and Mitchel. Determining the biological values experimentally and by the Block-Mitchel method gave comparable results in the majority of cases. It was established that the biological value of vegetable proteins can be

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZKATOVA, Bogumila; SZKILLADOZIOWA, Wieslawa

The supplementation of food proteins and the biological value of the protein combinations. J. Hyg. Epidem., Praha 1 no.3:309-316 1957.

1. Nutrition Department, State Institute of Hygiene, Warsaw.
(DIETS, eff.
supplementation of food proteins & biol. values of protein combinations)
(PROTEINS
same)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZKATOWA, Bogumila

Studies on the amino acid composition and protein supplementation of food articles with the use of quantitative paper chromatography. Pt. 3. Roczn panstw zakl hig 14 no.3:249-258 '63.

1. Department of Feeding Hygiene, State Institute of Hygiene, Warsaw.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZKIET, Tadeusz

Coal mining in Poland during the years 1961-1965. Wiadom gorn 11 no. 7/8:236-239 Jl-Ag '60.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

KRUPINSKI, Boleslaw; MUSZKIET, Tadeusz

The natural gas basin in Lacq, France. Koks 8 no.2:33-37 Mr-Ap '63.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

KRUPINSKI, Boleslaw, prof. dr inz.; MUSZKIET, Tadeusz, inz. mgr

The gas basin of Lacq and storage of gas in natural underground containers in France. Nafta Pol 19 no.5:107-113 My '63.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

KRUPINSKI, Boleslaw, prof, inz.; MUSZKIET, Tadeusz, mgr inz.

The Lacq Gas Basin and gas storage in natural underground containers in France. Nafta Pol 19 no.6:131-136 Je '63.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZKIET, Tadeusz, mgr inz.

Poland's interest in the activities of the Coal Committee of the European Economic Commission in Geneva. Przegl techn 85 no.2: 1, 3 12 Ja '64.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

KRUPINSKI, Boleslaw, prof. dr inz.; MUSZKIET, Tadeusz, mgr inz.

The gas basin of Lacq and gas storage in natural containers in France. Gaz woda techn sanit 37 no.4/5:127-132 Ap-My '63.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

KRUSINSKI, Boleslaw, prof. dr, BORNICKI, Marcin, prof. mgr inz., [illegible], Jerzy, prof. dr inz.; MU[illegible], Tadeusz, mgr inz.

The coal industry of the Netherlands. Przegl górn [illegible] Ap '64.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

PENSON, Jakub; MUSZKOWSKA, Joanna

Mass thrombus of the left auricle. Polski tygod.lek. 10 no.9:266-269 28 Feb 55.

1. Z III Kliniki Chorob Wewnetrznych A. M. w Gdansku; kierownik: prof. dr med. J.Penson. Gdansk, ul. Sluzy 9/10.

(MITAL STENOSIS, complications,
mass thrombus of left auricle)
(HEART,
auricle, left, mass thrombus in mitral stenosis)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZKOWSKA-PENSON, Joanna

2 cases of spontaneous hemochromatosis. Polski tygod.lek. 15 no.22: 834-837 30 My '60.

1. Z II Kliniki Chorob Wewnetrznych A.M. w Gdansku; kierownik: prof. dr Jakub Penson
(HEMOCHROMATOSIS cases reports)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZKOWSKA-PENSON, Joanna; KOZAKIEWICZ, Jerzy

Skin biopsy in subacute bacterial endocarditis. Polski tygod.lek. 16 no.2:47-51 9 Ja '61.

1. Z II Kliniki Chorob Wewnetrznych A.M. w Gdansku; kierownik: prof. dr med. Jakub Penson i z Kliniki Dermatologicznej A.M. w Gdansku; kierownik: prof. dr med. Fr.Miedzinski.
(SKIN pathol)
(ENDOCARDITIS SUBACUTE BACTERIAL pathol)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MANITIUS, Andrzej; MUSZKOWSKA-PENSON, Joanna; STOLARCZYK, Julian

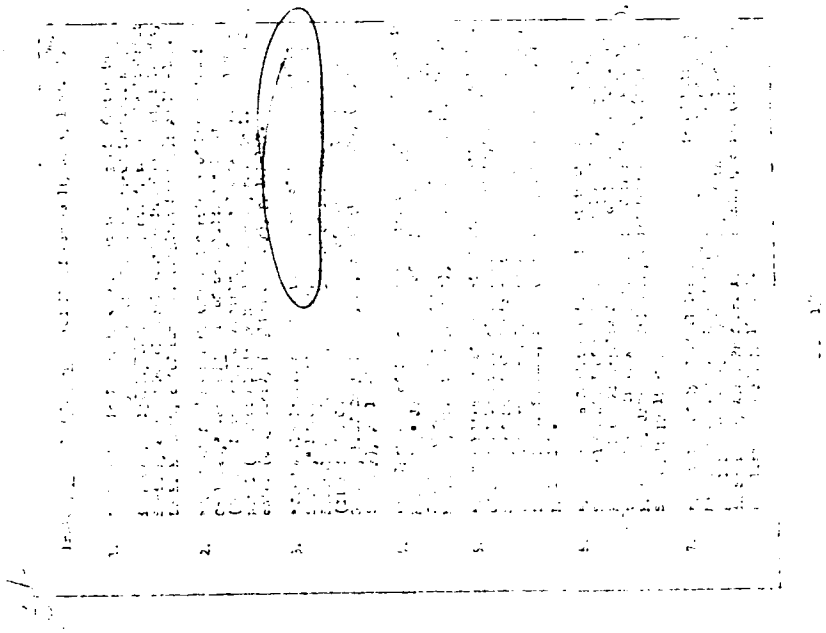
Renal changes in multiple myeloma. Polskie arch. med. wewn. 31 no.6: 837-846 '61.

1. Z II Kliniki Chorob Wewnetrznych AMG Kierownik: prof. dr med. J. Penson i z Zakladu Anatomii Patologicznej AMG Kierownik: prof. dr med. W. Czarnocki.

(MYELOMA PLASMA CELL compl)
(ACUTE RENAL FAILURE etiol)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4



MUSZKOWSKI, PERSON, Joanna

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZKOWSKA-PENSON, Joanna

Skin biopsy in bacterial endocarditis. Acta biol. med. (Gdansk) 8 no.1:57-60 '64

1. Z II Kliniki Chorob Wewnetrznych Akademii Medycznej w Gdansku (Kierownik Kliniki: prof. dr. Jakub Penson).

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

ZELAWSKA-BODAKIEWICZ, Barbara; KRZYZANOWSKA, Olga; MUSZKOWSKA-PENSON, Joanna

Acute renal failure in late pregnancy toxemia. Pol. arch. med. wewnet. 34 no.11:1493-1497 '64

1. Z I Kliniki Poloznictwa i Chorob Kobiecych Akademii Medycznej w Gdansku (Kierownik: prof. dr. med. S. Metler) i z II Kliniki Chorob Wewnetrznych Akademii Medycznej w Gdansku (Kierownik: prof. dr. med. J. Penson).

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZYK, R.

"Using Insulating Rings for Gas Pipes in Order to Protect Them from Stray Currents."
p. 132 (GAZ, WODA I TECHNIKA SANITARNA, Vol. 27, No. 5, May 1953) Warszawa

SO: Monthly List of East European Accessions, Library of Congress, Vol. 2, No.10, October 1953. Unclassified.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

GRYNIEWICZ, Stanislaw, mgr.; MUSZYNSKA, Danuta

Achievements in city planning and development programming of the capital investment services of the Administration Construction of Workers' Settlements. Przegl techn 84 no.26:4,6 30 Je '63.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

KLAMUT, M.; BRYC, S.; CZOCHRA, M.; MUSZYNSKI, A.

Angiography of the left vertebral artery with catheterization of the femoral artery. Pol. przegl. radiol. 26 no.4:311-316 '62.

1. Z Zakladu Radiologii AM w Lublinie Kierownik Zakladu: prof. dr med. K. Skorzynski Z Oddzialu Neurochirurgii przy Klinice Chorob Nerwowych AM w Lublinie Kierownik Kliniki: prof. dr med. W. Stein Kierownik Oddzialu: doc. dr med. H. Kozniewska.

(VERTEBRAL ARTERY) (FEMORAL ARTERY) (ANGIOGRAPHY) (BRAIN DISEASES)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZYNSKI, Andrzej; ZDERKIEWICZ, Edward; BRYC, Stanisław

The usefulness of carotid artery angiography in the diagnosis of supratentorial tumors. Pol. tyg. lek. 19 no.15:546-549 6 Ap '64.

1. Z Oddziału Neurochirurgii przy Klinice Chorób Nerwowych i z Zakładu Radiologii Akademii Medycznej w Lublinie (kierownik Kliniki: prof. dr. W. Stein; kierownik Oddziału: doc. dr. H. Kozniewska; kierownik Zakładu: doc. dr. K. Skorzynski).

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

DMYTRYK-DARWAJ, Jaroslawa; MUSZYNSKI, Andrzej

On the diagnosis and surgical treatment of craniostemosis.
Pediat. Pol. 40 no.7:707-711 Jl '65.

1. Z II Kliniki Pediatrycznej AM w Lublinie (Kierownik: doc. dr. med. A. Gebala) i z Kliniki Neurochirurgii AM w Lublinie (Kierownik: doc. dr. med. H. Kozniewska).

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZYNSKI, B.

Losses in construction enterprises. p.68 PRZEGLAD KOLEJOWY (Wydawntctwa Komunikacyjne) Warszawa. Vol. 7, no. 2, Feb. 1955

SOURCE: East European Accessions List, (EEAL), Library of Congress, Vol. 4, no. 12, December 1955

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZYNSKI, E.

What Czechoslovak foresters have shown us. p.19.

(LAS POLSKI. Vol. 31, No. 7, April 1957. Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 10, October 1957. Uncl.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

BINIECKI, S.; MUSZYNSKI, E.

Synthesis of sulfanilic acid hydrazide and of N^1, N^2-bis (sulfanilyl)-ethylene diamine. Acta Poloniae pharm. 10 no.2:81-86 1953. (CLML 25:1)

1. Of the Institute of Chemical Technology of Drugs (Head--Prof. St. Biniecki, M.D.) of Warsaw Medical Academy.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

BINIECKI, S.; MUSZYNSKI, E.

Synthesis of certain derivatives of amphetamine. Acta Poloniae pharm. 10 no.4:211-221 1953. (CIML 25:5)

1. Of the Institute of Chemical Technology of Drugs (Head--Prof. S. Biniecki, M.D.) of Warsaw Medical Academy.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZYNSKI, EUGENIUSZ

POL.

2-(Phenylbenzylaminomethyl)imidazoline hydrochloride. Stanisław Sunecki, Wanda Modrzejewska, Eugeniusz Muszyński, and Zdzisław Synowiedzki. *Acta Polon. Pharmacia*, 47-50(1954)(English summary).—HCl and EtOH with $HOCH_2CN$ give 94.5% $HOCH_2C(OEt):NH.HCl$ which, with $(CH_2NH_2)_2$ yields 87.8% 2-(hydroxymethyl)imidazoline-HCl, m. 160-1°, converted with $SOCl_2$ to 70.4% 2-(chloromethyl)imidazoline-HCl, m. 205°; this, heated 4 hrs. at 120-30° with $PhNHCH_2Ph$ yields 72.17% 2-(phenylbenzylaminomethyl)imidazoline hydrochloride, m. 229-31° (recrystd. from H_2O, m. 233°). A scheme of the reactions is included. 8 references. Michael Dymicky

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZYNSKI, EUGIENIUSZ

BINIECKI, Stanislaw; MODRZEJEWSKA, Wanda; MUSZYNSKI, Eugieniusz

Preparation of 2-(benzyl)-imidazoline hydrochloride. Acta Poloniae pharm. 12 no.1:1-4 1955.

1. Z Zakladu Technologii Chemicznej Srodkow Leczniczych A.M.w Warszawie. Kierownik: prof. dr St.Biniecki.
(IMIDAZOLINES, preparation of,
2-(benzyl)-imidazoline HCl)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZYNSKI E.

7 7

Catalytic hydrogenation of streptomycin sulphate. S. Bialecki, K. Kaczynski and E. Muszynski (*Acta polon. pharm.*, 1956, 13, 135—136).—The hydrogenation of streptomycin at room temp. and atm. pressure with a Pt/Pd catalyst is very slow; with Raney Ni it does not proceed at all. At increased pressure (50 and 60 atm. were studied) with Pt/Pd catalyst the hydrogenation proceeds quite well, complete conversion to dihydrostreptomycin being obtained after 12 hr. at 60 atm. At room temp. Raney Ni does not catalyze the reaction even at 80 atm. H. LAKE.

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4E4j

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZYNSKI, Eugeniusz

Production of some amphetamine derivatives. Acta pol. pharm. 18 no.6:471-478 '61.

1. Z Zakladu Technologii Chemicznej Srodkow Leczniczych Akademii Medycznej w Warszawie Kierownik: prof. dr St. Biniecki.
(AMPHETAMINE rel cpds)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

BINIECKI, Stanislaw; MUSZYNSKI, Eugeniusz; JAGIELLOWICZ, Helena; CHOJNACKA, Zdzislawa

Production of dl-β-(3,4-dimethoxyphenyl)-N-(3',4'-dimethoxybenzyl) isopropylamine and of dl-β-(3,4-methylenedioxyphenyl) -N-(3',4'-methylenedioxybenzyl)-isopropylamine. Acta pol. pharm. 19 no.1: 31-35 '62.

1. Z Zakladu Technologii Chemicznej Srodkow Leczniczych Akademii Medycznej w Warszawie Kierownik: prof. dr St.Biniecki i z Instytutu Lekow w Warszawie.
(PHENYLETHYLAMINES chem)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

BINIECKI, Stanislaw; MUSZYNSKI, Eugeniusz; PAWLOWSKA, Danuta

Synthesis of D,L-β (3,4-dimethoxyphenyl)-N-(3',4'-methylenedioxybenzyl)-isopropylamine and D,L-β-(3,4-methylenedioxyphenyl)-N-(3,4-dimethoxybenzyl)-isopropylamine. Acta pol. pharm. 19 no.3:251-255 '62.

1. Z Zakladu Technologii Chemicznej Srodkow Leczniczych Akademii Medycznej w Warszawie Kierownik: prof. dr. S. Biniecki
(PHENYLETHYLAMINES chem)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZYNSKI, Eugeniusz

Synthesis of new compounds in the amphetamine group. Part 1.
Acta Pol. pharm. 22 no.2:103-109 '65.

1. Z Zakladu Technologii Chemichnej Srodkow Leczniczych AM w Warszawie (Kierownik: prof. dr. S. Biniecki).

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZYNSKI, Eugeniusz

Synthesis of new compounds from the amphetamine group. Pt.2.
Acta Pol. pharm. 22 no.3:203-208 '65.

1. Z Zakladu Technologii Chemicznej Srodkow Leczniczych Akademii Medycznej w Warszawie (Kierownik: prof. dr. S. Biniecki).

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZYNSKI, Ireneusz, mgr

Good weather working days as time calculating units allowed for reloading. Tech gosp morska 13 no.4:102-103 Ap '63.

1. Polska Zegluga Morska, Szczecin.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

CA 17

The ash content of drugs. JAN MUSZYNSKI. *Wiadomosci Farmaceutyczne* 59, 147-50, 160-4(160-4 in French)(1932).—The ash content of 162 common drugs has been detd. by 2 methods: *viz.*, by incineration in a porcelain crucible with or without pulverization and admixt. of very fine sand. Certain slight variations were obtained

J. WIERTELAK

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

PROCESSES AND PROPERTIES INDEX

CA MUSZYNSKI Jan

17

So-called "Intracts." Jan Muszyński and Michał Serafinowicz. *Wiadomości Farm.* 66, 679-81, 683-6 (1938); *Chem. Zentr.* 1939, I, 2243.—The "Intracts" or "Etrates," which are prepd. from the fresh plants or from plants treated by the method of Perrot and Goris (cf. *C. A.* 30, 814[4]), represent a new highly effective form of drug. They differ from extr. prepd. from the dried plants in having greater density and greater biol. activity, which in the case of *Digitalis*, *Convallaria*, and *Adonidis vernalis* amounts to 3-4 times that of the ordinary ext.

M. G. Moore

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZYNSKI, JAN.

Kolchicyna, jej charakter, wlasnosci i dzialanie. Lodz? 1946?
20 p. Colchicine, its character, properties, and activity.
DA Not in DLC

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

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZYNSKI, Jan;, Prof. Dr.

Polish Pharmacopeia II. Farm.polska 11 no.1:5-7 Jan '55.
(PHARMACOPEIA,
in Poland, 3rd edition)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZYNSKI, Jan, prof.

Raw material of plants in Polish Pharmacopeia III. Farm.polska 11 no.5:99-101 May '55.

(PHARMACOPEIA
Polish 3rd edition, raw material of plants)
(PLANTS,
raw material in Polish Pharmacopeia 3rd edition)
(DRUG INDUSTRY
raw material of plants in Polish Pharmacopeia 3rd edition)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZYNSKI, Jan, Prof.

Hypotensive alkaloid raw materials. Farm.polska 11 no.5:102-103 May '55.

(DRUGS
hypotensive, raw materials of alkaloids)
(HYPOTENSION
hypotensive alkaloids, raw materials)
(ALKALOIDS
hypotensive, raw materials)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

POLAND/Chemical Technology. Chemical Products and Their Applications. Medicinal Substances. Vitamins. Antibiotics. H

Abs Jour : Ref Zhur-Khimiya, No 6, 1959, 20529

Author : Muszynski, Jan
Inst : -
Title : The Necessity of Changing the Methods of Chemical Investigation of Medicinal Vegetative Raw Materials, Particularly of Tannin and Saponin.

Orig Pub : Farmac. polska, 1957, 13, No 2, 29-32

Abstract : No abstract.

Card : 1/1

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZYSNKI, Jerzy

Certain motion problems of mechanical systems with one degree of freedom. Zagad drgan nielin no.4:83-102 '62.

Existence of one single limit cycle for certain mechanical systems with one degree of freedom. Ibid.:103-112

1. Department of Mathematics C of the Warsaw Technical University. Submitted September 5, 1961.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

P/519/62/000/004/003/008
E092/E446

AUTHOR: Muszyński, Jerzy (Warsaw)

TITLE: Certain problems of motion of mechanical systems with single degree of freedom

SOURCE: Polska Akademia Nauk. Instytut Podstawowych Problemow Techniki. Zagadnienia drgan nieliniowych. no.4. 1962. 83-102

TEXT: The author considers a mechanical system in general form and discusses physical assumptions of characteristics. Elements of construction of curves of limited entry from rectilinear segments are described and the conditions for the existence of such curves for a nonvibrating case are given. Finally, it is proved that with existence of at least one curve of the limited entry for periodic characteristic of the system there is a limited periodic solution of the equation with regard to time. This method of construction of the curves of limited entry can have many practical applications. There are 12 figures.

ASSOCIATION: Politechnika Warszawska Katedra Matematyki "C" (Warsaw Polytechnic Department of Mathematics "C")

Card 1/1 SUBMITTED: September 5, 1961

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

P/519/62/000/004/004/008
E092/E446

AUTHOR: Muszyński, Jerzy (Warsaw)

TITLE: The existence of a unique limit cycle for certain mechanical systems of single degree of freedom

SOURCE: Polska Akademia Nauk. Instytut Podstawowych Problemow Techniki. Zagadnienia drgan nieliniowych. no.4. 1962. 103-112

TEXT: The existence of limit cycle for equations describing mechanical system of single degree of freedom has been in the past considered by several authors but no criteria of convergence have been established. In this work a method of examining the problems involved is considered. Some criteria for the existence of convergence, i.e. existence of unique limit of cycle, is established. The equation under consideration is of general form

$$\ddot{x} + F(x, \dot{x}, t) = 0$$

When $t \longrightarrow +\infty$ for certain area surrounding this solution, the periodic asymptotic stable solution is a limit cycle. Considering equations of class D on the classification of

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

P/519/62/000/004/004/008
E092/E446

The existence of a unique ...

N. Levinson (Journal of Math. and Physics. v.22, 1943), the author includes all area of the periodic phase. In this case, if each solution is asymptotic stable in the area of initial conditions and within the whole area of periodic phase, then each solution is a limit solution. Dividing, for example, distance of two initial conditions into a certain number of parts and by taking divided distance as ξ, it is easy to pass from trajectory to trajectory as ξ, thus it can be proved that solutions passing through these points are converging. Since every two solutions are converging, all remaining are converging to each of them. However, if there is one periodic solution, then naturally all other converge to it and solution in this case is a limit cycle. Further, the author proceeds to solve a general form equation on different variants and establishes criteria of sufficient stability of asymptotic solution of differential equation and proves that all these solutions are convergent. Finally, the author gives example illustrating the existence of few periodic solutions and shows that even in the case of existence of the curve of limited entry, but without

Card 2/3

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

P/519/62/000/004/004/008
E092/E446

The existence of a unique ...

fulfillment of conditions such as positive derivatives, there is no convergence. There are 3 figures.

ASSOCIATION: Politechnika Warszawska Katedra Matematyki "C" (Warsaw Polytechnic Department of Mathematics "C")

SUBMITTED: September 5, 1961

Card 3/3

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZYNSKI, Julian

Electroboring. Wiad naft 8 no.7:153-154 Jl '62.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

POLAND

MUSZYNSKI, Maciwoj

Dept. of Computer Construction, Warsaw Polytechnic
(Katedra Budowy Maszyn Matematycznych, Politechniki Warszawskiej)

Warsaw, Archiwum automatyki i telemechaniki, No 3, July/Sept 1966, pp 349-54

"Matrix description of threshhold element."

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZYNSKI, Stanislaw, inz.

Development trends in the design of unit-construction machines. Mechanik 35 no.5:255-259 My '62.

1. Koprotech.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZYNSKI, Stanislaw, inz.

Complex machine tools. Mechanik 36 no.6:261-262 Je '63.

1. Koprotech, Warszawa.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZYNSKI, Stanislaw, inz.

The LR 4 complex machine tool for working discs of electric motors. Mechanik 36 no.6:290-291 Je '63.

1. Koprotech, Warszawa.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZYNSKI, Stanislaw

A case of sectorial chimaera obtained after irradiation of Petunia seed. Acta agrobot 16:171-173 '64.

1. Department of Genetics of the Central College of Agriculture, Warsaw. Submitted February 25, 1964.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZYNSKI, W.

Concerning geodesy. p. 390.
(PRZEGLAD GEODEZYJNY. Vol. 12, no. 1[illegible], Oct. 1956, Poland)

SO: Monthly List of East European Accessions (EEAI) LC, Vol. [illegible], no. 6, June 195[illegible], Uncl.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZYNSKI, W.

SCIENCE

Periodicals: PRZEGLAD GEODEZYJNY. Vol. 14, no. 8, Aug. 1958.

MUSZYNSKI, W. More on geodetic matters. p. 329

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

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

S/035/62/000/004/030/056
A001/A101

AUTHOR: Muszyński, W.

TITLE: Intentions and results

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 4, 1962, 1, abstract 4G4 ("Przegl. geod.", 1961, v. 33, no. 10, 389-390, Polish)

TEXT: The author discusses the activities of the Main Administration for Geodesy and Cartography of the Polish People's Republic, whose tasks are to carry out geodetic and cartographic works on the state scale, to coordinate and control departmental geodetic and cartographic works. Difficulties are mentioned faced by this Administration, which in the author's opinion, has not as yet grown to the central organ for geodetic administration. The Main Administration for Geodesy and Cartogrphy must have connections with authorities not only of the State scale but also with local authorities, and possess not only rights of controlling the fulfillment of instructions and orders but also means for their execution.

D. Kudritskiy

[Abstracter's note: Complete translation]

Card 1/1

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

BRONIEWSKI, Tadeusz; MUSZYNSKI, Wladyslaw (Krakow)

Current problems of protecting buildings against corrosion.
Przegl budowl i bud mieszk 27 [i.e. 37] no.3:161-165 Mr '65.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZYNSKI, W.

2714

Muszyński W. Special Varieties of Concrete. 666.972-13

„Betony specjalne". Materiały Budowlane. No. 7, 1954, pp. 175—182.

This is a paper read at a special Polish Academy of Sciences meeting devoted to building materials. It discusses scientific achievements to date as affecting watertight, frost-resisting, acid-proof and fire-resisting concrete. Suggestions are made concerning the further development of this branch of science.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

Poland/Chemical Technology -- Chemical Products and Their Application. Silicates. Glass. Ceramics. Binders, I-9

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 1703

Author: Muszy'ski, W., and Jamrozy, Z.

Institution: None

Title: Concretes Containing Air-Entraining Additives in Construction

Original Periodical: Mater. budowl., 1955, Vol 10, No 8, 211-218; Polish

Abstract: The structure of aerated concrete is discussed together with the influence of the entrained air on the properties of the concrete mass, the strength of the concrete, and its resistance to freezing. The results from a number of experiments carried out for the purpose of investigating the possibility of the utilization of various waste products of Polish industry as air-entraining additives (AA) are presented. The following materials were used: (a) petroleum cake and sul'tafon, 2 waste products of the petroleum processing industry; (b) charcoal pitch obtained from the destructive distillation of wood shavings; (c) waste

Card 1/3

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

Poland/Chemical Technology -- Chemical Products and Their Application. Silicates. Glass. Ceramics. Binders, I-9

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 1703

Abstract: rich cement and concrete, containing the additives, than on the same cement and concrete to which the air-entraining compounds have not been added.

Card 3/3

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZYNSKI, Z.

"Extending the function of the mother ship in sea fishing for herring."
Technika I Gospodarka Morska, Gdansk, Vol [illegible], No 5, May 1954, p. 150

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZYNSKI, Z.

The efficency of mechanical chain saws. p. 30.
(LOP) A yew-tree reservation at Wierzchlas. p. 33.
A show of Forester Szotkowski's light suspended railroad in the Wisla forest district. p. 34
A puller for hanging trees. p. 37.
(Las Polski, Warszawa, Vol. 30, no. 9, Sept. 1956)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZYNSKI, ZBIGNIEW

Niektore cechy charakterystyczne wynalazczoeci na ziemiach polskich. Wyd. 2. uzup. Warszawa, Nakl. Urzedu Patentowego PRL, 1957.

382p. (Some of the characteristics of inventiveness in the Polish territories. 2nd enl. ed. bibl., footnotes tables)

SO: Monthly index of East European Accessions (AEEI) Vol. 6, No. 11, November 1957

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

POL/8-59-1-12/12

AUTHOR: Muszyński, Zbigniew, Professor, Doctor of Engineering, Chairman

TITLE: Prize for the Association of Polish Engineers and Mechanical Technicans (Nagroda Stowarzyszenia Inzynierów i Techników Mechaników Polskich)

PERIODICAL: Technika Lotnicza, 1959, Nr 1, p 32 (POL)

ABSTRACT: On 24 November 1958, the Plenum of the Zarzad Główny SIMP (SIMP Main Council) allocated a prize for the Association of Polish Engineers and Mechanical Technicians. The prize will be presented annually during the Walny Zjazd Delegatów SIMP (General Assembly of SIMP Delegates.) This article contains the prize regulation and lists names of the Prize Commitee. The members are: Chairman-Professor, Doctor of Engineering Zbigniew Muszynski. Members: Master of Engineering Helidor Chmielewski Master of Engineering Zbigniew Lutoslawski, Master of Engineering Piotr Moroz, Professor, Doctor of Engineering Franciszek Misztal, Professor

Card 1/2

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZYNSKI, Zbigniew, prof. dr inz.

Basic tasks of the Polish Mechanical Engineers and Technicians.
Przegl mech 21 no.1:3-5 10 Ja '62.

1. Przewodniczacy Zarzadu Glownego Stowarzyszenia Inzynierow Mechanikow Polskich, Warszawa.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZYNSKI, Zbigniew, prof. dr. inz.

Activation of the members of the Association of Polish Engineers and Technicians in their working places. Mechanik 35 no.7:365-366 Jl '62.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZYNSKI, Zbigniew, prof.; KIMSZAL, Kazimierz, inz.; CZARNOWSKI, Edmund, mgr inz.; SWIETORZECKA, A., mgr inz.; SACZUK, Boleslaw, mgr inz.; DABROWSKI, St., mgr inz.

On the activities of the scientific and technical association. Przegl techn no.41:3,4 14 O '62.

1. Chairman of the Main Administration of the Association of Polish Mechanical Engineers and Technicians, Warsaw (for Muszynski). 2. Secretary General of the Main Administration of the Association of the Polish Electrical Engineers (for Kimszal). 3. Chairman of the Provincial Communicative Committee of the Central Technical Organization, Warsaw (for Czarnowski). 4. Secretary General of the Association of Engineers and Technicians of the Food Industry, Warsaw (for Swietorzecka). 5. Chairman of the Main Administration of the Association of Forestry and Lumber Engineers and Technicians, Warsaw (for Saczuk). 6. Secretary General of the Association of Polish Textile Workers, Lodz (for Dabrowski).

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUSZYNSKI, Zbigniew, prof. dr inz.

For a better style of our work in the future. Przegl mech 22 no.7/8:196 10-25 Ap '63.

1. Chairman of the Main Executive Board, Association of Polish Mechanical Engineers and Technicians, President of the Polish Patent Office, Warsaw.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUTABZIJA, Ranko (Zagreb)

Determination of the optimal operating point for the quasi-linear oscillator from the nonlinearity properties. Glas mat fiz Hrv 16 no.3/4:265-273 '61.

1. Institute "Ruder Boskovic," Zagreb.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUTABZIJA, Ranko, inz. (Zagreb, Visoka ulica 4)

Some problems, methods, and solutions in the current studies on oscillators. Elektrotehnika Hrv 5 no.4:115-120 '62.

1. Institut "Ruder Boskovic".

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUTABZIJA, Ranko (Zagreb)

Determination of the optimal oscillation amplitudes for the quasi-linear oscillator from the nonlinearity properties. Glas mat fiz Hrv 17 no.1/2:99-106 '62 [publ. '63].

1. Institut "Ruder Boskovic", Zagreb.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUTAFCHIEVA, E.

Abs Jour : Ref Zhur - Khimiya, No 14, 1959, No. 49491

Author : Zholyankov, L.; Zikolova, S.; Agova, M.; Zhelyazkov, L.; Agova, M.; Zikolova, S.; Mutafchova, E.

Inst : Bulgarian Institute for Pharmacology

Title : Synthesis of Compounds with Possible Antitubercular Activity. I. Hydrazides of Some Organic Acids and Their Derivatives. II. Hydrazides of Isonicotinyl Hydrazide. III. Hydrazides and Hydrazones of α-Cyanocarboxylic Acids

Orig Pub : Trudy Nauch Issledovatel Farmatsiya, 1, 12-15; 15-19; 19-21 (1957)

Abstract : I. In the course of research on the synthesis of compounds with antitubercular activity (ATA), the authors have synthesized a number of hydrazides by the reaction of organic acid esters with $N_2H_4 \cdot H_2O$ (I) at about 100° or at higher temperatures (the starting acid, code of the corresponding hydrazide in parentheses, yield in %, and mp in °C are given in that order: isonicotinic (II), 98, 171; nicotinic, 98, 158 - 159; C_6H_5COOH, 80, 112 - 113; 4-$NO_2C_6H_4COOH$, 75, 258; 4-$NO_2C_6H_4COOH$, 75, 220 - 224; 2-HOC_6H_4COOH, 60, 148 - 152; PASK [PASC] (III), 60, 123 - 124; $C_6H_5SO_3H$, 70, 100 - 102; 4-$NH_2C_6H_4SO_3H$, 75, 131; 4-$CH_3CONHC_6H_4SO_3H$, 74, 177; citrazinic, 56, 215 - 216; $HSCH_2COOH$ (IV), 70, --. The action of C_6H_5CHO (V) and 2-HOC_6H_4CHO (VI) on IV gives $HSCH_2CONHN{=}CHC_6H_5$ (VII), yield 63%, mp 170 - 175°, and $HSCH_2CONHN{=}CHC_6H_4OH$-2 (VIII), yield 70%, mp 180 - 186°. The ATA of III is equal to that of I; the remaining hydrazides have lower activities. VII and VIII were found to have no activity. Apparently the ATA carrier is not the -CONHNH group but the molecule as a whole. II. The reaction of II with aldehydes or ketones gives a series of isonicotinyl hydrazones. The reaction proceeds in alcoholic or aqueous medium in the presence (or absence) of a small amount of CH_3COOH at about 20° or at about 100° (10 - 15 min); at more elevated temperatures the reaction takes 10 - 20 hrs [illegible]. The starting aldehyde or ketone, the yield in %, and the mp in °C are given for the following isonicotinyl hydrazones: camphor, 60, 217; carvone, 70, 142 - 143; perillaldehyde, 35.5, 126 - 130; benzoin, 90, 153; 2-hydroxy-α-naphthoic aldehyde, 98, 255; $C_6H_5CH{=}CHCOCH_3$, 98, 183 - 186; α-naphthyl-β-phenylketone, 2[illegible], 223 - 226; antipyrine, 10, 254 - 257; CH_2O, 50, 172 - 178; triacetomonamine, 98, 186.5; diacetomonamine [illegible], 60, 205; phorone, 50, 189; mesityl oxide, 50, 253 - 254; 4-hydroxycoumarin, 10, 237; α-galactose, 50, 170 - 173; $(CH_3)_2C(OH)CH_2COCH_3$, 98, 140 - 142; C_6H_5-$COCH_2CH$, 60, 234 - 236; $C_6H_5COCH_2CH_2CH$, 50, 253 - 255; 5-[illegible]furfurol, 98, 250 (decomp); furfurol (IX), 90, 214 - 215; α-glucose, 40, 180; VI, 98, 239 - 240; 4-$(CH_3)_2NC_6H_4CHO$, 90, 202 - 203; acetone (X), 70, 160 - 161; $C_6H_5COCH_3$, 98, 174; 4-$CH_3CONHC_6H_4CHO$ (XI), 97, 278 - 281; V, 90, 199; CH_3CHO, 91, 176 - 178; cyclobutanone (XII), 90, 174; semantic aldehyde, 70, 99 - 102; vanillin, 90, 222 - 224. 4-$CH_2CH_2NHCOC_6H_4N$-HCl has also been synthesized in yields of 87% (mp 279 - 280°). Two of the above isonicotinyl hydrazones have shown good results during clinical tests. III. Hydrazones have been synthesized by the reaction of aldehydes and ketones with RCH(CN)-$CONHNH_2$ (XIII), prepared from I and RCH(CN)$COOC_2H_5$. The reaction of $C_6H_5CH{=}CHCOOC_2H_5$ and $C_6H_5CH_2Cl$ in xylene (reflux for about 10 hrs) gives $C_6H_5CH_2CH$-(CN)$COOC_2H_5$ in yields of 50%. $(CH_3)_2CHCH(CN)CONHNH_2$, mp 75°, and $C_6H_5CH_2CH(CN)CONHNH_2$, mp 127 - 128°, have also been prepared. The starting aldehyde or ketone and the R group in XIII, and the mp in °C of the hydrazone are listed in that order for the following hydrazones: XII, H, 128; XI, H, 226 (decomp); VI, CH_3, 212 - 214; IX, CH_3, 153 - 156; X, $(CH_3)_2CH$, 178; V, $(CH_3)_2CH$, 158 - 160; VI, $(CH_3)_2CH$, 146; the ATA of the hydrazones obtained are lower than the ATA of II. -- V. Skorodumov

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUTAFCHIEV, A.

"The Fifth International Congress of the Chemists in the Leather Industry."
p.29 (Leka Promishlenost, Vol. 7, no. 2, 1958, Sofiia, Bulgaria)

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

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUTAFCHIEV, B.

Reserves for an increased productivity in shipbuilding. Mashinostroene 11 no.4:4-7 Ap '62.

1. KKZ "G. Dimitrov", Varna.

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUTAFCHIEV, B.

541.125.5 : 548.5

2566. ON THE ELECTROLYTIC FORMATION OF MERCURY NUCLEI ON SPHERICAL Pt SINGLE CRYSTAL ELECTRODES. R.Kaishev and B.Mutafchiev.

Izv. Bulg. Akad. Nauk, Vol. 4, 105-17 (1954; publ. 1955). In Bulgarian, with summary (1 p.) in German.

An investigation of the dependence of nuclei formation on the properties of the substrate. A special impulse generator delivers a square wave voltage impulse of known height and duration to the cathode and the nuclei formed are counted. Tests with deposited Ag have shown that the activities in the neighbourhood of the various crystallographic poles of the Pt single crystal are different. Photographs illustrate the variation in the distribution of Hg nuclei for increasing values of the impulse voltage E, and the numbers of nuclei, N_{111} and N_{001}, which are deposited around the 111 and 001 poles respectively for the same E and duration of impulse are tabulated. The results agree with theory in that log N is linearly related to $1/\eta^2$, where η is the over-potential.

S.Weintroub

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUTAFCHIYEV, B

BULGARIA / Physical Chemistry. Crystals. B-5

Abs Jour : Ref Zhur - Khimiya, No 8, 1957, 25987

Author : B. Mutafchiyev, R. Kaishev.
Inst : Academy of Sciences of Bulgaria
Title : Electrolytic Formation of Silver Nuclei on Spherical Monocrystalline Platinum Electrodes.

Orig Pub : Izv. B"lgar. AN. Otd. fiz.-matem. i tekhn. n. Ser. fiz., 1955, 5, 77 - 88

Abstract : It was revealed experimentally that the formation of Ag nuclei on monocrystalline platinum sperical electrodes took place for the most part near the poles of the octahedron faces. Only single crystal particles are found near the poles of cube faces. The difficulties of a quantitative theoretical interpretation of the obtained results is pointed out, because the slope of the straight lines lgN - $1/E^2$ (where N is the number of the nuclei forming on a unit of the surface in a unit of time, and E is the impulse in-

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

B.

MUTAFCHIEV, B.

BULGARIA/Physical Chemistry - Electrochemistry.

Abs Jour : Ref Zhur - Khimiya, No 12, 1958, 39050

Author : Kaishev, P., Mutafchiev, B., Nenov, D.

Inst : Bolg. AN

Title : Current Density and Overvoltage during the Growth of The Spiral Front in the Electro-Crystallization of Silver.

Orig Pub : Izv. Bolg. AN Otd. fiz-matem. i techn. n. Ser. fiz. 1957, 6, 317-328

Abstract : A study was made on the relationship between current density and crystallization overvoltage in the electrolytical growth of silver crystals. The method is based on determining the shifting rate of the growing spiral fronts (U), and calculating the true current density (i_o), according to the equation:

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

BULGARIA/Physical Chemistry - Electrochemistry. D.

Abs Jour : Ref Zhur - Khimiya, No 12, 1958, 39050

$i_0 = F.u/v$ a/cm^2, (where v is the atom volume).
If one measures the distance (d) between two successive spiral steps, one can determine the apparent current density as well:
$i = i_0 h/d$ a/cm^2, where h is the height of the step.
A study was made on the growth of cubical rhombododecahedral single crystals of Ag from concentrated silver nitrate solutions. The changes in the distance between spiral steps and the rate of their shifting were photographed under a microscope; on motion picture film.
It was established that with the change of polarized current causing the change of η three-fold, the shifting rate of the steps and of i_0 vary within the average value, with the maximum deviation being approx. 25%.
When the accuracy of the measurement is taken into account, one might expect i_0 to remain constant in the range of η 0.084-0.026 mv since its value is quite

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

KAISHEV, R.; MUTAFCHIEV, B.

Development and origin of crystals during adsorption of alien substances on their surface. Izv Inst khim BAN 7:145-176 '60. (EEAI 10:9)

1. Institut po fizikokhimiia pri Belgarskata akademiia na naukite.

(Crystallization)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

KAISHEV, R.; MUTAFCHIEV, B.

On the kinetics of forming crystal nuclei on isomorphic nuclei. Izv Inst khim BAN 7:177-196 '60. (EEAI 10:9)

1. Institut po fizikokhimiia pri BAN.

(Liquids) (Crystallization)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUTAFTSCHIEW, B. [Mutavchiev, B.]; PLATIKANOVA, W. [Platikanova, V.]

On kinetic forming crystal nucleus in solution. Doklady BAN 14 no.7:695-698 '61.

1. Institut fur physikalische Chemie an der Bulgarischen Akademie der Wissenschaften. Vorgelegt von Akademiemitglied R. Kaischew [Kaishev, R.].

(Kinetics) (Crystallization)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

KAISHEV, R., akad.; MUTAFCHIEV, B.

Kinetics of the formation of gas nuclei in overheated liquids.
Izv Inst fiz khim 2:15-129 '62.

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUTAFCHIEV, B.; PLATIKANOVA, V.

Kinetics of the formation of crystal nuclei in solutions.
Izv Inst fiz khim 2:57-63 '62.

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L 18436-63 EWP(q)/EWT(m)/BDS AFFTC/ASD JD
ACCESSION NR: AT3002252 B/2505/62/002/000/0093/0100

57

AUTHOR: Mutafchiev, B.

TITLE: Oxidation and surface activity of platinum single crystal spherical electrodes

27 18

SOURCE: Bulgarska akademiya na naukite. Institut po fizikokhimiya. Izvestiya, v. 2, 1962, 93-100

TOPIC TAGS: oxidation, platinum, single crystal, electrode, mercury, impulse method, crystal nucleus, crystal face, crystallographic zone, crystal structure, overvoltage

ABSTRACT: The work investigates the surface state of spherical platinum single crystal electrodes and, more particularly, the influence which the oxide layer on the platinum surface exerts on the electrodeposition of mercury on the platinum. The impulse method, previously described by the author (Izv. na Inst. po fizikokhimiya pri BAN, 1, 1961, 43), is used to effect deposit of mercury. Computed from the curves, showing the number of mercury nuclei deposited in dependence on impulse duration at various impulse voltages (Fig. 1 of Enclosure 1), are the

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distribution curves showing the number of active centers in respect of critical overvoltages around the poles of octahedral and cubic faces of a platinum single crystal (Fig. 2 of Enclosure 2). Centers of nucleation around the poles of octahedral faces are active at lower overvoltages than centers around the poles of cubic faces. The distribution of mercury nuclei changes sharply with preliminary cathode reduction of the platinum electrode. While only the octahedral zones (Fig. 3b of Enclosure 3) are active, given the oxidized platinum surface, after the reduction mercury nuclei cover all zones except the rhombododecahedral (Fig. 3a of Enclosure 3). Model study shows (Fig. 4 of Enclosure 4) that actually the oxide layer (or layer of chemosorbed oxygen) on the platinum surface should be most stable in regions around the rhombododecahedral poles. Thus, distribution of mercury nuclei by various crystallographic zones of a spherical platinum single crystal is caused not so much by the moistening of these zones with mercury as by the density of the oxide layer on their surface. Critical overvoltages of the mercury on the reduced surface is many times less than the overvoltage as measured hitherto on the normally oxidized platinum surface. Orig. art. has: 1 formula and 4 figures.

ASSOCIATION: none
SUBMITTED: 03Jan62
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NO SOV REF: 010

ENCL: 04
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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

KAISHEV, R., akad.; MUTAFCHIEV, B.

Thermodynamics of the crystal seed formation on the isomorphic condensation nuclei. Izv Inst fiz khim 3 5-24 '63.

1. Institut po fizikokhimiia pri Bulgarskata akademiia na naukite.
2. Chlen na Redaktsionnata kolegiia i otgovoren redaktor, "Izvestiia na Instituta po fizikokhimiia" (for Kaishev).

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MUTAFCHIEV, B.

Surface of the growth and evaporation of cadmium monocrystals observed with electron microscope. Izv Inst fiz khim 3 31-42 '63.

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BALEV, P. (Troian); MUTAFCHIEV, D. (Burgas); PAPARO, A. (Sofia); ANCHEV, St. (Teteven); SAVOV, T. (Burgas); KOLEV, Tsv. (s. Stambolovo, Turnovsko); DANEV, M. (Ivailovgrad); RADEV, At. (IAmbol); PETKOV, V. (Sofia); SIMEONOV, As. (Gara Bov); NEDEV, R. (Varna); KATIRANSKI, Iv. (s. Dragichevo, Pernishko); TRENCHEV, TR. (St. Zagora); KURCHEV, G. (Sofia)

Solutions to mathematics problems from Vol. 5, no.5, 1962.
Mat i fiz Bulg 6 no.2:61-63 Mr-Ap '63.

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUTAFCHIEV, I.

"Conditions for increasing the electrically resistant quality and the mechanical and electric sturdiness of porcelain. p. 47
"First Congress of the Union of Workers in Heavy Industry and Electrification." p. 44
"First national competition for economy of electric and thermal power for 1954." p. 48
"New regulation for using electric power. p. (3) of cover.
Vol. 5, no. 5/6, May/June 1954. Elektroenergiia, Sofiya.

SO: Eastern European Accessions List, Vol. 3, no. 11, Nov. 1954, L.C.

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUTAFCHIEV, I.

KHRISTOV, I., kand. tekhn. nauk; MALINOV, Ye., gornyy inzhener; BOZHILOV, T., gornyy inzhener; MUTAFCHIYEV, I., geolog

Methodology of determining the unavoidable impoverishment of ores in breaking them in vein deposits. Gor. zhur. no.11:31-35 N '62. (MIRA 15:10)

1. Bolgarskiy gorno-geologicheskiy institut (for Khristov).
2. Bolgarskiy komitet promyshlennosti (for Malinov, Bozhilov, Mutafchiyev).

(Bulgaria—Mining engineering)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUTAFCHIEV, Iv.; KHRISTOV, Du., kand. na tekhn. nauki, dots.

The exploitation servey, important factor for an increased stockpile in operating mines. Min delo 17 no.6:13-18 '62.

1. Upravlenie "Geolozhki prouchvaniia i okhrana na zemnite nedra" (for Mutafchiev). 2. Minno-geolozhki institut (for Khristov).

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135730007-4

MUTAFCHIEV, Iv.

S/169/63/000/002/084/127
D263/D307

AUTHORS: Mutafchiev, Iv. and Khristov, Iv.

TITLE: Exploitational exploration as an important means for increasing reserves of active mines

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 2, 1963, 14, abstract 2D82 (Minno delo i metallurgiya, 1962, 17, no. 6, 13-18 (Bulg.; summaries in Rus. and Ger.))

TEXT: Bulgarian ore deposits are characterized by extreme variability, average and small-size orebodies, and discontinuous mineralization (the variation coefficient for Cu and for Pb-Zn deposits changes from 70 to 120). Increase of high category reserves is possible in a number of deposits (Krumovo iron ore deposit, Madzharovo polymetallic deposit, Elshchitsa and Radka disseminated ore deposits, Chelopech Cu-pyrite deposit) on account of discovering new orebodies, their apophysis, and disseminated stockwork zones. Data are given concerning the density of exploration networks, and definite recommendations are provided for further exploration and for

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Exploitational exploration ... S/169/63/000/002/084/127
D263/D307

the system of working orebodies in connection with more precise definition of their contours. Modern technical base and organisational aspects of exploratory works cannot ensure the suggested improvements in exploitational exploration, since the amount of underground drilling is hampered by the shortage of diamond drilling machine tools. /Abstracter's note: Complete translation./

Card 2/2

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