"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

TROSZYNSKI, MICHAL

ROGALA, Josef; TROSZYNSKI, Michal

Blood sodium and potassium levels in mother and fetus during pregnancy and pregnancy toxemias. Gin. polska 28 no.2:193-198 Mar-Apr 57.

1. Z Kliniki Poloznictwa i Chorob Kobiecych A.M. w Poznaniu Kierownik: prof. dr. med. I. Roszkowski i z Zakladu Chemii Fizjologicznej A.M. w Poznaniu Kierownik: prof. dr. med. Z. Stolzman. Adres: Dr. Michal Troszynski, Warszawa, Karowa 2.

(BODIUM, in blood
determ. in fetus & mother during pregn. & pregn. toxemias (Pol))
(POTASSIUM, in blood
same)
(PREGNANCY TOXEMIAS, blood in
potassium & sodium, determ. in fetus & mother (Pol))
(PREGNANCY, blood in
same)
(FETUS, blood in
potassium & sodium, determ. in pregn. & pregn. toxemias)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

TROTH, M.; NASZ, I.

Studies on the cytopathic changes caused by differe t types of the denovirus group in humanamnion and Detroit-6 cell cultures. p. 377.

ACTA MICROBIOLOGICA. (Magyar Tudomanyos Akademia) Budapest, Hungary, Vol. 5, no. 4, 1958. In English.

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

Uncl.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

TROTIMOV, B. A.

19837 TROTIMOV, B. A., Drevniyshiy predstavietel' primitivnykh seiney v Azii. Doklady Akad. Nauk SSSR, Novaya Seriya, t. LXVII, No. 1, 1949, s. 14548. —Bibliogri 8 NAZV. V Obshchaya biologiya. Tsitdogiya. Gistologiyn. (Sm. Takzhc- XXII, 3.)

SO: LETOPIS ZHURNAL STATEY, Vol. 27, MOSKVA, 1949.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

TROTIMOV, B. A. Cand Biolog Sci

Dissertation: "Extinct Pigs of the Group of Microsthenes." 7/12/50

Paleontological Inst, Acad Sci USSR

SO Vecheryaya Moskva
Sum 71

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

TROSTINA, A.S.

Effectiveness of the use of sterilized F serum in peptic ulcer. (MIRA 13:1)
Akt.vop.perel.krovi no.7:187-188 '59.

1. Stantsiya perelivaniya krovi Oktyabr'skoy zheleznoy dorogi.
(PEPTIC ULCER) (SERUM THERAPY)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

SOV/29-59-8-3/29

24(5)

AUTHOR: Trostnikov, V., Engineer

TITLE: Cyclotron ... - Synchro-cyclotron - And What Else ?

PERIODICAL: Tekhnika molodezhi, 1959, Nr 8, pp 2-4 (USSR)

ABSTRACT: In this popular-scientific article, the author reports on the development of devices for speeding up particles. It has often occurred that a scientific idea with apparently unlimited prospects met with unsurpassable physical obstacles. The same thing happened to the promising particle accelerator, the cyclotron. The impossibility of simultaneous focusing and overcoming of the relativistic effect, has the consequence that the cyclotron can accelerate the protons only up to an energy of 10 - 20 million electron-volt. Physicists, however, require much higher energies. After a long search, it was possible at last to find a method of overcoming the energy barrier. The principle suggested by the Soviet scientist V. I. Vekslar in 1944, the so-called "auto-phasing", was used as a basis for the accelerators with alternating frequency - the phase-modulated cyclotrons - the so-called phasotrons and synchrophasotrons. The creation of accelerators of a new type was connected with great technical difficulties,

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

Cyclotron ... - Synchro-cyclotron - And What Else ? SOV/29-59-8-3/29

as the machine radius was no longer measured in centimeters, but in meters now. Huge nuclear smashing apparatus were built which fulfilled their task. In these machines, antiprotons and other new particles were detected. Because of a steadily growing demand of economy, accelerators with the energy of a phasotron, and the intensity of a cyclotron, had to be built. The Soviet physicists V. P. Dmitriyevskiy and B. I. Zamolodchikov, who worked in Dubna under the direction of Professor V. P. Dzhelepov, developed the project of a cyclotron in which the separating lines between strong and weak fields are curved in the plane, and have the form of an Archimedian spiral. The calculations made at the Laboratoriya yadernykh problem Ob"yedinennogo instituta (Laboratory for Nuclear Problems of the Joint Institute) have shown that the spiral separating line creates a focusing which considerably enlarges the central field along the radius. This ensures the independence of the period of revolution of the particle on the velocity up to energies in the order of magnitude of hundreds of millions of electron-volt. The calculations alone could, however, not solve all problems connected with the development of the new machine. The first accelerator of the world based on the new principle was put into operation at the Joint Institute with 12 Socialist countries participating. The

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SOV/29-59-8-3/29

Cyclotron ... - Synchro-cyclotron - And What Else ?

calculations proved to be correct. The particles are accelerated in the enlarged magnetic field along the radius, and reach the extractor without defocusing. This "young" accelerator is being closely investigated as a possible prototype for an even greater machine. The colored insert adjoining shows a simplified scheme of proton acceleration in accelerators of various types. There are 7 figures.

Card 3/3

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

TROTS, A. A.

Trots, A. A. and Maksimenko, M. S. , "The study of high percent ferrosilicon." p. 775.

High percent ferrosilicon during boiling with water evolves a large amount of gas, from 7.4 to 28 ℓ per 1 kg. alloy. The gas contains 0.095 to 0.329% phosphine and from 99.67 to 99.9% hydrogen; the former is poisonous. The gas obtained by boiling high percent ferrosilicon with water, explodes in a mixture with air when it contains from 9.0 to 66.0% hydrogen.

Lab. of Electrotherm of the Leningrad Technological Institute. April 13, 1947.

SO: Journal of Applied Chemistry (USSR) 21, No. 7 (1948)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

TROTS, A.A.

Ca

Study of high-percentage ferrosilicon. A. A. Trots and M. S. Maksimenko. *Zhur. Prikład. Khim.* (J. Applied Chem.) 21, 775-80(1948).—Three samples of ferrosilicon (I) Si 70.39, Fe 19.56, Al 3.01, Mg 0.22, Ca 0.87, P 0.02%, C traces, (II) 71.73, 23.31, 3.69, 0.25, 1.01, 0.026, traces, and (III) 77.47, 18.79, 3.95, 0.28, 0.01, 0.027, traces, ground to 150 mesh, evolved, in 10 hrs. boiling in H_2O, resp., 15.87, 21.92, and 27.02 l. gas/kg. The gas is 99.7-99.9% H_2, with 0.1-0.3% PH_3. The total amt. of gas evolved increases with the degree of fineness of grinding. The amt. of P converted into PH_3 gas, on the av., 34, 13, and 13.5% of the total P present. Some PH_3 is formed also in dry grinding in a hermetically closed mill; after 4 hrs. grinding, the gas analyzed N_2 81.14, O_2 16.548, H_2 1.75, PH_3 0.502%. Presence of PH_3 in a H_2 + O_2 mixt. broadens the limits of inflammability. Thus, with 7% PH_3, the mixt. is explosive between 6 and 75% H_2, as against 9-64% without PH_3. Owing to the PH_3 content, the gas evolved in grinding ferrosilicon is toxic. N. Thon

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

KRYLOV, V.N.; TROTS, A.A.; KOZHEVNIKOV, A.V.; BITUK, S.M.

Obtaining calcium carbide, carbon-electrode and graphitized articles from the chamber-furnace coke and tar pitch formed in the refining of Baltic shales. Khim. i tekh. gor. slan. i prod. ikh perer. no.11:358-365 '62. (MIRA 17:3)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

KRYLOV, V.N.; TROTS, A.A.; KOZHEVNIKOV, A.V.; BITUK, S.M.

Production of calcium carbide, electrical carbon and graphitized articles from the coke of shale tar. Khim. i tekh. gor. slan. i prod. ikh perer. no.8:139-151 '60. (MIRA 15:2)
(Calcium carbide)
(Oil shales)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

85134

S/137/60/000/008/003/009
A006/A001

1.1110 2708,2208,2308

Translation from: Referativnyy zhurnal, Metallurgiya, 1960, No. 8, p. 182, # 17947

AUTHORS: Krylov, V. N., Trots, A. A.

TITLE: Coating and Fluxes for High-Speed Electric Cutting of Steel

PERIODICAL: Tr. Leningr. tekhnol. in-ta im. Lensoveta, 1959, No.53, pp. 102-105

TEXT: Investigations were made of high-speed cutting of steel using electrodes with different coatings, and fluxes assuring reduced melting temperature of the cut metal and higher liberation of heat in the cut. Grade "20Г" (20G) 6-mm thick steel was cut by 180 - 200-amp current using electrodes with chalk and conventional coatings, fluxes and coatings with FeSi, FeMn and graphite in various proportions. The electrode consumption and the cutting time are calculated per one meter of cut steel. Highest cutting speed was attained when using 7-mm-diameter-electrodes and fluxes or coatings of FeSi + FeMn composition at a 1 : 1 ratio; cutting time was 5 minutes, specific electrode consumption 960 mm, electrode metal consumption 246.7 g. The cutting time was reduced by a factor of

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A006/A001

Coating and Fluxes for High-Speed Electric Cutting of Steel

3 as compared to chalk coatings; specific electrode consumption by about twice; electrode metal consumption by about 1.5 times. At an electrode diameter, reduced from 7 to 4 mm, cutting time for a chalk coating increased 2.5 times (39 min). For FeSi + FeMn flux at a 1 : 1 ratio the cutting time changed insignificantly. Lowest electrode consumption per metal weight is attained when using FeMn fluxes and coatings composed of FeSi + graphite at a 3 : 1 ratio; at a 4-mm electrode diameter the electrode metal consumption is then 173 and 130.6 g respectively; cutting time is 17 min 57 sec, and 10 min; at an electrode diameter of 7 mm the electrode metal consumption increases to 265.7 and 259 g respectively, cutting time is reduced to 8 min 22 sec and 8 min 37 sec.

V. B.

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

KRYLOV, V.N.; TROTS, A.A.

Coatings and fluxes for rapid electric cutting of steel.
Trudy LTI no.53:102-105 '59. (MIRA 14:3)
(Electric metal cutting)(Flux(Metallurgy))

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

TROTS, Minel' Danilovich; GENIN, M.Ya., nauchnyy red.; TABUNINA, M.A., red.izd-va; SHEVCHENKO, T.N., tekhn. red.

[Assembly of industrial ventilation systems]Montazh promyshlennoi ventiliatsii. Moskva, Gosstroiizdat, 1963. 226 p. (MIRA 16:4)

(Factories—Ventilation)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

TROTS, Nineli Danilovich; YUDEYEV, Aleksandr Vasil'yevich, nauchn. red.

[Ventilation installation in industrial construction; tinning and fitting operations] Ustroistvo ventiliatsii v promyshlennom stroitel'stve; zhestianitskie i slesarnye raboty. Moskva, Stroiizdat, 1965. 157 p. (MIRA 18:3)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

TROTSENKO, M. A.

USSR/Chemistry - Fuels, Reaction Kinetics 21 Mar 53

"Incomplete Catalytic Oxidation of the Propane-Butane Fraction of Petroleum Gases in the Presence of Boron Oxide," P. A. Shoykhet, M. A. Trotsenko and M. V. Polyakov

DAN SSSR, Vol 89, No 3, pp 519-522

The incomplete oxidation of the propane-butane fraction of petroleum gases in the presence of boron oxide catalyst is a heterogeneous-homogeneous chain reaction. The boron oxide catalyzes the homogeneous incomplete oxidation decidedly better than a clean glass surface.

272T4

The most important link in the chain mechanism of the oxidation of propane-butane is the formation and subsequent conversion of peroxides in accordance with Bakh's peroxide theory.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

PORTNOV, A.I.otvetstvennyy redaktor; KNIZHKO, P.O.,redaktor; KRAMARENKO, V.F.,redaktor; NAUMENKO, M.A.,redaktor; PIVNENKO, G.P.,redaktor· ROZENBERG, M.A.,redaktor;SAVITSKIY, I.V.,redaktor; TROTSENKO, A.G.,redaktor; SHELUD'KO, V.M.,redaktor;VAYSMAN, G.A.,redaktor; MEDVEDEVA, N.B.,redaktor; GIMSHTEYN, A.D.,tekhnicheskiy redaktor

[Problems in pharmacy; a collection of scientific papers from pharmaceutical schools of the Ukraine] Nekotorye voprosy farmatsii; sbornik nauchnykh trudov vysshikh farmatsevticheskikh uchebnykh zavedenii Ukrainskoi SSR. Kiev, Gos. med. izd-vo USSR, 1956. 366 p. (MLRA 10:5)

1. Ukraine. Ministerstvo zdravookhraneniya.
(PHARMACY)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

TROTSENKO, A.G., otv.red.; PORTNOV, A.I., prof., red.; GORBOV, T.P., red.; YEVDOKIMOV, D.Ya., red.; KNIZHKO, P.O., red.; KORCHINSKIY, N.O., red.; LESHCHINSKIY, A.F., red.; LYASHENKO, S.S., red.; ROZENBERG, M.A., prof., red.; SAVITSKIY, I.V., prof., red.; SHELUD'KO, V.M., red.

[Research in the field of pharmacy] Issledovaniia v oblasti farmatsii. Pod obshchei red. A.I.Portnova. Odessa, M-vo zhdavookhraneniia USSR, 1959. 314 p. (MIRA 13:6)

1. Zaporozhskiy gosudarstvennyy farmatsevticheskiy institut. 2. Kafedra organicheskoy khimii Odesskogo gosudarstvennogo farmatsevticheskogo instituta (for Trotsenko). 3. Kafedra farmatsevticheskoy khimii Odesskogo gosudarstvennogo farmatsevticheskogo instituta (for Portnov). 4. Kafedra neorganicheskoy i sudebnoy khimii Odesskogo gos.farmatsevt. instituta (for Yevdokimov). 5. Kafedra analiticheskoy khimii Odesskogo gos.farmatsevt.instituta (for Knizhko). Kafedra marksizma-leninizma i organizatsiya farmdela Odesskogo gos.farmatsevt.instituta (for Korchinskiy). 6. Kafedra biokhimii Odesskogo gos.farmatsevt.instituta (for Leshchinskiy). 7. Kafedra farmakognozii i tekhnologii lekarstvennykh form i galenovykh preparatov Odesskogo gos.farmatsevt.instituta (for Lyashenko). 8. Zaveduyushchiy kafedroy fiziologii i farmakologii Odesskogo gos.farmatsevt.instituta (for Rozenberg). 9. Zaveduyushchiy kafedroy biokhimii Odesskogo gos.farmatsevt.instituta (for Savitskiy). 10. Kafedra farmakognozii i botaniki Odesskogo gosudarstvennogo farmatsevticheskogo instituta (for Shelud'ko).

(PHARMACY)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

USSR / Human and Animal Morphology (Normal and Pathological). Methods and Technique of Investigation. S

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 16858

Author : Trotsenko, B. V.
Inst : Crimean Medical Institute
Title : The Application of Crimean Essential Oils in Histological Technique

Orig Pub : Tr. Krymsk. med. in-t, 1957, 17, 57-62

Abstract : During the search for a substitute for expensive and difficult to obtain essential oils, which are applied in histological technique for clarification of sections (clove, bergamot, cajeput oils), the author studied the clarifying action of vegetable essential oils from plants which are culti-

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

USSR / Human and Animal Morphology (Normal and Pathological). Methods and Technique of Investigation. 5

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 16858

vated in Crimea and of some mineral oils obtained in the refining of petroleum. Good results were shown by wormwood, lavender and peanut oils. -- A. I. Gladshteyn

Card 2/2

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

TROTSENKO, G.; SHCHEGALEV, I.

Cycling

"Letters from readers." Mol. Kolkh. 19 no. 8, 1952

Monthly List of Russian Accessions, Library of Congres October 1952 UNCLASSIFIED

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

TROTSENKO, G.; SHCHEGALEV, I.

Collective Farms

Letters from readers. Mol. kolkh. 19 No. 8, 1952

Monthly List of Russian Accessions, Library of Congress October 1952 UNCLASSIFIED

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

TROTSENKO, I.D., kand. sel'skokhoz. nauk

Continuous carrying out of agrochemical analysis. Zemledelie 27 no.1:40-47 Ja '65. (MIRA 18:3)

1. Irkutskaya oblastnaya sel'skokhozyaystvennaya opytnaya stantsiya.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

[illegible] : [illegible]

[illegible] : Cultivated Plants. Commercial. Oleiferous. Sugar-Bearing.

[illegible] : [illegible]

[illegible] : Tsutsenko, I. V.

[illegible] : State Nikitinsk Botanical Garden

[illegible] : Tanning Agents from the Leaves of the Cashew Family in the Crimea.

[illegible] : Nauk. nauchno-tekhn. inform. Gos. N'Kitsk. botan. sad, 1957, No.3-4, 56-59

[illegible] : A brief survey of both literature and the author's own data on the distribution, ecology and tannin content in the leaves of the smoketree, sumachand wild and cultivated pistache.

CARD : 1/1

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

TROTSENKO, K.A.

Reserpine therapy in hypertension. Vrach.delo no.9:983 S'58 (MIRA 11:10)

1. Fakul'tetskaya terapevticheskaya klinika (zav. - zaslyzhennyy deyatel' nauki, prof. M.A. Yasinovskiy) Odesskogo meditsinskogo instituta.
(HYPERTENSION)
(RESERPINE)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

TROTSENKO, M.A.

5

The incomplete catalytic oxidation of the propane-butane fraction of petroleum gas in the presence of boron oxide. P. A. Shoikhet, M. A. Trotsenko, and M. V. Polyakov. *Doklady Akad. Nauk S.S.S.R.* 89, 519-22(1953).—The oxidation of propane-butane mixt. with O_2 was studied in molybdenum glass vessels. The glass vessels were either uncoated or partially or completely coated with boron oxide. The temp. rise during reaction, pressure rise, and nature of the products were studied. The induction period, t, of the reaction at 270° was sharply reduced when 1.3% of the vessel walls was coated (central thermocouple well), and then reduced slightly more when the entire vessel walls were coated. The degree of chain branching ϕ was slightly increased by the coating. The effect on t shows that chains start on the surface. The effect on ϕ shows that the coating breaks the chains with somewhat lower efficiency than does the uncoated wall. The reaction is thus of the homogeneous-heterogeneous variety. The activation energy for the branching reaction was 54.0 kcal. in the presence of the catalyst and 51.0 kcal. in its absence. The activation energy obtained by plotting log $1/t$ vs. $1/T$ was 66.0 kcal. in the presence of the catalyst and 85.0 kcal. in its absence. The max. temp. rise and the max. peroxide concn. were reached at the same time, while the max. concn. of aldehydes, alcs., and other intermediates was attained at a later time. In addn. the activation energy of 55.0 kcal. obtained for the coated flasks by plotting log $1/t_m$ vs. $1/T$, where t_m was the time required to reach the temp. max., agrees well with that obtained for the chain branching reaction. This shows that peroxides play a decisive role in this reaction. J. B. L.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

TROTSENKO

3109. **The quantitative determination of Atoxyl [sodium p-aminophenylarsenate] by a bromimetric method.** V. A. Gvozdik, M. A. Trotsenko and V. P. Potapova (*Aptechnoe Delo*, 1954, 3 [3], 33–35). —To 10 ml of an aqueous soln. containing about 0·1 g of Atoxyl in a ground-glass flask, add 25 ml of 0·1 *N* $KBrO_3$ soln., 0·5 g of KBr and sufficient conc. HCl to make the final concn. 2 *N*; set aside the stoppered flask in the dark with frequent shaking. Add 20 ml of 0·1 *N* As_2O_3 solution, heat on a water-bath to 60° to 70° C and titrate with 0·1 *N* $KBrO_3$ (indicator, methyl orange). One ml of 0·1 *N* $KBrO_3$ as 0·005485 g of Atoxyl pentahydrate. The method gives results in agreement with those obtained by the U.S.S.R. Pharmacopoeia VIII method; the limits of error are ± 0·3 per cent. Iodimetric determination of the excess of Br in the first stage gave results less satisfactory than those obtained with the use of As_2O_3. E. HAYES

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

IROTSENKO, M.A.

5

The effect of the condition of the vessel walls and of the silver catalyst on the oxidation of ethylene. M. A. Trotsenko, I. M. Loos, and M. V. Polyakov. *Dopovidi Akad. Nauk Ukr. R.S.R.* 1954, No. 3, 168-70(Russian summary). —The effect of the condition of the walls of the reaction vessel, of HF, and of a Ag catalyst on the homogeneous oxidation of ethylene oxide was studied colorimetrically. The results are discussed in light of the theory of homogeneous-heterogeneous catalysis. Roytar Leach

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

Trotsenko, M. A.

The mechanism of incomplete catalytic oxidation of ethylene. M. A. Trotsenko and M. V. Polyakov. *Doklady Akad. Nauk S.S.S.R.* 96, 115-17(1954).—The investigation was undertaken to test whether the C_2H_4 oxidation reaction in a vessel at reduced pressure and not filled with catalyst is homogeneous in character, or whether it can be best explained by a heterogeneous-homogeneous process. The reaction was studied under static conditions in tubes of different diams., the walls of which were either uncoated or coated with Ag or with NaCl, and at temps. of 400, 410, 420, and 440°. It was concluded that the reactions in unfilled vessels were branched-chain homogeneous reactions. A coating of the vessel walls with Ag accelerated greatly the rate at which the max. change in temp. was attained, whereas NaCl has an opposite effect. The activation energy was 42,000 cal. in uncoated vessels, and 27,000 in Ag-coated vessels. The homogeneous process thus originated on a solid surface, and is therefore a heterogeneous-homogeneous process. W. M. Sternberg

(1)

Inst-Phys-Chem. im. Pisarzhevskiy, AS UKSSR

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

KAGAN, Yu.S., kand.med.nauk; KUNDIYEV, Yu.I., kand.med.nauk; TROTSENKO, M.A., kand.khim.nauk (Kiyev)

Safety measures in using phosphorus organic insecticides for orchard spraying. Zashch. rast. ot vred. i bol. 3 no.4:29 Jl-Ag '58. (MIRA 11:9)
(Phosphorus organic compounds) (Chemicals--Safety measures)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

AUTHORS: Trotsenko, M. A., Vendt, V. P. SOV/32-24-7-17/65

TITLE: The Determination of the Content of Organophosphorus Insecticides in the Air (Opredeleniye soderzhaniya fosfororganicheskikh insektitsidov v vozdukhe)

PERIODICAL: Zavodskaya Laboratoriya, 1958, Vol. 24, Nr 7, pp. 820-821 (USSR)

ABSTRACT: Organophosphorus insecticides, which are known by their brand name "Merkaptofos" are a mixture of thions and thiol isomers. Some methods for their determination have hitherto been described in publications. In this paper a method of determination is described which operates by the destruction of the preparation by concentrated mineral acids in the presence of potassium permanganate. Then it is colorimetrically determined according to the blue phosphorus molybdenum heterocomplex. This way of destruction has already been described in publications. It was, for the purpose of determining phosphorus, used in a method already described by the authors of this paper. If the colorimetric determination is conducted visually, from 4 - 5 γ of the insecticide in 5 ml solution

Card 1/2

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SOV/[illegible]-24-7-17/65

The Determination of the Content of Organophosphorus Insecticides in the Air

can be determined, whereas with the photocolorimeter 1 γ/5,[illegible] ml can be found. A table gives data on the accuracy of the method. As can be seen from the prescription for the analysis, a [illegible] silicagel was used for absorption, [illegible] m ammonium molybdate solution in 10 n sulfuric acid and a 0,01 n hydrazine sulfate solution being used as reactants. The standard scale for the colorimetric determination was produced from a KH_2PO_4 solution. There are 1 table and 6 references, 3 of which are Soviet.

ASSOCIATION: Kiyevskiy institut gigiyeny truda i professional'nykh zabolevaniy (Kiyev Institute of Industrial Hygiene and Occupational Diseases)

Card 2/2

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

TROTSENKO, M.A.; VENDT, V.P. (Kiyev)

Use of silica gel in taking samples of air containing mercaptophos vapors. Gig. truda i prof. zab. 4 no.1:53-54 Ja '60. (MIRA 15:3)

1. Institut gigiyeny truda i professional'nykh zabolevaniy.
(INSECTICIDES) (SILICA GEL)
(AIR—ANALYSIS)
(PHOSPHORUS ORGANIC COMPOUNDS)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

ISAYEVA, G.Ya.; TROTSENKO, M.A.

Determination of the organophosphoric insecticide M-81 in apples, grape juice and wine. Vop.pit. 19 no.4:59-61 Jl-Ag '60. (MIRA 13:11)

1. Iz Ukrainskogo nauchno-issledovatel'skogo instituta pitaniya, Kiyev.

(INSECTICIDES) (FOOD--TOXICOLOGY)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

MEDVED', L.I., doktor med. nauk, red.; BURKATSKAYA, Ye.N., kand.med. nauk, red.; VOYTENKO, G.A., kand. med. nauk, red.; KAGAN, Yu.S., red.; KRIVOGLAZ, B.A., prof., red.; KUNDIYEV, Yu.I., kand. med. nauk, red.; MAKOVSKAYA, Ye.I., doktor med. nauk, red.; SEREBRYANAYA, S.G., dots., red.; SPYNU, Ye.I., kand. med. nauk, red.; TOSTANOVSKAYA, A.A., kand. med. nauk, red.; TROTSENKO, M.A., kand. khim. nauk, red.; NOVIKOV, Yu.V., red.; CHULKOV, I.F., tekhn. red.

[Hygiene and toxicology of new pesticides and clinical aspects of poisoning; reports of the Second All-Union Scientific Conference of the Committee for the Study and Reglementation of Poisonous Chemicals of the Main State Sanitary Inspection of the U.S.S.R.] Gigiena i toksikologiia novykh pestitsidov i klinika otravlenii; doklady 2-i Vsesoiuznoi nauchnoi konferentsii Komiteta po izucheniiu i reglamentatsii iadokhimikatov Glavnoi gosudarstvennoi sanitarnoi inspektsii SSSR. Pod obshchei red. L.I.Medvedia. Moskva, Medgiz, 1962. 478 p. (MIRA 16:4)

1. Vsesoyuznaya nauchnaya konferentsiya po gigiyene i toksikologii insektofungitsidov, 2d, 1962.

(Continued on next card)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

MEDVED', L.I.---(continued). Card 2.

2. Predsedatel' Komiteta gosudarstvennoy sanitarnoy inspektsii SSSR po izucheniyu i reglamentatsii yadokhimikatov (for Medved'). 3. Kiyevskiy nauchno-issledovatel'skiy institut gigiyeny truda i profzabolevaniy (for Burkatskaya, Voytenko, Spynu, Kagan, Trotsenko). 4. Ukrainskiy nauchno-issledovatel'skiy institut pitaniya (for Serebryanaya).

(PESTICIDES--TOXICOLOGY)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

90. ANTITUBERCULAR ACTIVITY [illegible] . . . . . [illegible]

91. TREATMENT OF ANIMAL [illegible] WITH [illegible]-ACETAT-[illegible]-TRICHLOROETHYL-PHOSPHINATE ([illegible]). [illegible] et al. . . . . 533 [illegible]

92. MECHANISM AND EXPERIMENTAL THERAPY OF [illegible] BY ORGANOPHOSPHORUS COMPOUNDS. L. N. [illegible] and [illegible] 535

93. EFFECT OF ARMIN ON CONTRACTION OF UTERINE ACTIVITY. L. V. [illegible] 535

94. EFFECT OF ALKYL ESTERS OF ETHYL- AND DIETHOXYPHOSPHINIC ACIDS ON UTERINE CONTRACTION (PREPARATIONS 151 AND 185). N. A. Korolazina

PLANT PROTECTION SECTION

95. CHOLINERGIC SYSTEMS OF INSECTS AND MECHANISM OF ACTION OF THE INSECTICIDAL ACTIVITY OF ORGANOPHOSPHORUS COMPOUNDS. A. A. Vorkreesenskaya et al 561

96. BIOLOGICAL ACTION OF ORGANOPHOSPHORUS COMPOUNDS. A. M. Alekseev and T. E. Izotova . . 569

97. COMPARATIVE TOXICOLOGICAL PROPERTIES OF TETRAETHYL DITHIOPYROPHOSPHATE AND DIMETHYL DIETHYL DITHIOPYROPHOSPHATE. I. D. Nekleonova et al. 578

98. EFFECT OF PERMANENT [illegible] OF CORN WITH ORGANOPHOSPHORUS COMPOUNDS ON THE GROWTH AND DEVELOPMENT OF THE PLANTS. T. E. Izotova et al. . . . . [illegible]

99. ACTION OF ORGANOPHOSPHORUS COMPOUNDS ON SOIL MICROFLORA. S. M. Samsonova et al. . . . [illegible]

100. DITIOFOS [DITHIOPHOS] – A NEW, EFFECTIVE CONTROL AGENT FOR SUBTROPICAL PESTS. P. I. Mitrofanov 593

101. ORGANOPHOSPHORUS AEROSOLS FOR CONTROL OF AGRICULTURAL PESTS. A. I. Sidorov and P. I. Mitrofanov 597

102. STUDY AND APPLICATION OF ORGANOPHOSPHORUS COMPOUNDS FOR CONTROL OF KURYGALTSEV. D. M. Tatkin and N. M. [illegible] 601

103. ORGANOPHOSPHORUS INSECTICIDES WITH INTERPLANT ACTION AS A METHOD OF PROTECTING GRAIN SHOOTS FROM PESTS. P. V. Samsonov et al. 610

104. TESTS RESULTS ON M-81 [illegible] IN CONTROL OF SUCKING PESTS OF FRUIT AND DECORATIVE PLANTS. M. P. [illegible] and L. F. Efimova 614

105. DETERMINATION OF SMALL AMOUNTS OF ORGANOPHOSPHORUS INSECTICIDES IN AIR AND FOOD PRODUCTS. M. A. [illegible] 619

106. SORPTION OF ORGANOPHOSPHORUS INSECTICIDE VAPORS BY ACTIVATED CARBON. Yu. I. Kuniev and M. E. Pollinovsky 625

Khimiya i Primeneniye Fosfororganicheskikh Soyedineniy (Chemistry and Application of Organophosphorus Compounds) A. Ye. Arbuzov, Ed. publ. by Kazan' Branch, Acad. Sci. USSR, Moscow, 1962 638pp.

Collection of complete papers presented at the 1959 Kazan Conference on Chemistry of Organophosphorus Compounds.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

TROTSENKO, M.A.; SHUL'GA, I.N.

Determination of DDT analogues (perthane and methoxychlor) in food products. Vop.pit 21 no.4:52-55 Jl-Ag '62. (MIRA 15:12)

1. Iz Ukrainskogo instituta pitaniya, Kiyev.
(FOOD CONTAMINATION) (DDT (INSECTICIDE))

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

ISAYEVA, G.Ya.; YENOKHEVSKIYA, K.K.; TROTSENKO, M.A.

Separate determination of some organophosphorus insecticides with their joint presence in food products of plant origin. Vop. pit. 21 no.6:64-67 N-D '62. (MIRA 17:5)

1. Iz Ukrainskogo nauchno-issledovatel'skogo instituta pitaniya, Kiyev.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

BOKSHA, V.G.; ZOL'NIKOVA, A.I.; TROTSENKO, S.Ya.

All-Union Conference on Experimental Study of Health Resorts and Physical Therapy. Vop.kur., fizioter. i lech. fiz. kul't. 28 no.2:184-191 Mr-Ap'63. (MIRA 16:9)
(HEALTH RESORTS, WATERING PLACES, ETC.—CONGRESSES)
(PHYSICAL THERAPY—CONGRESSES)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

TROTSENKO, S.Ya., starshiy nauchnyy sotrudnik

Evgenii Aleksandrovich Nil'sen; on his 90th birthday. Vop.kur., fizioter.i lech.fiz.kul't. 28 no.1:90-91 '63. (MIRA 16:4)

1. Institut meditsinskoy klimatologii i klimatoterapii imeni I.M.Sechenova.
(NIL'SEN, EVGENII ALEKSANDROVICH, 1872-)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

GLYEBOVA, O. V.; TROTSENKO, S. Ya.

Climatotherapy of chronic nephritis. Klin. med., Moskva 29 no.7:36-38 July 1951. (CIML 21:1)

1. Of the State Central Scientific-Research Institute on Physical Therapeutic Methods imeni Sechenov.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

TROTSENKO, S. YA.

FEDOROV, Ye.Ye., professor; PREDTECHENSKIY, P.P.; BUCHINSKIY, I.Ye.; SEYANINOV, G.T., professor; BOSHNO, L.V.; ALISOV, B.P.; BIRYUKOV, N.N.; GAL'TSOV, A.P.; GRIGOR'YEV, A.A., akademik; EYGENSON, M.S., professor; MURETOV, N.S.; KHROMOV, S.P.; BOGDANOV, P.N.; LEBEDEV, A.N.; SOKOLOV, V.N.; YANISHEVSKIY, Yu.D.; SAMOYLENKO, V.S.; USMANOV, R.F.; CHUBUKOV, L.A.; TROTSENKO, S.Ya.; VANGENGEYM, G.Ya.; SOKOLOV, I.F.; STYRO, B.I.; TEMNIKOVA, N.P.; ISAYEV, E.A.; DMITRIYEV, A.A.; MALYUGIN, Ye.A.; LIEDEMAA, Ye.K.; SAPOZHNIKOVA, S.A.; RAKIPOVA, L.R.; POKROVSKAYA, T.V.; BAGDASARYAN, A.B.; ORLOVA, V.V.; RUBINSHTEYN, Ye.S., professor; MILEVSKIY, V.Yu.; SHCHERBAKOVA, Ye.Ya.; BOCHKOV, A.P.; ANAPOL'SKAYA, L.Ye.; DUNAYEVA, A.V.; UTESHEV, A.S.; RUDNEVA, A.V.; RUDENKO, A.I.; ZOLOTAREV, M.A.; NERSESYAN, A.G.; MIKHAYLOV, A.N.; GAVRILOV, V.A.; TSOMAYA, T.I.; DEVYATKOVA, A.M.; ZAVARINA, M.V.; SHMETER, S.M.; BUDYKO, M.I., professor.

Discussion of the report (in the form of debates) [of the current state climatological research and methods of developing it]. Inform. sbor.GUGMS no.3/4:26-154 '54. (MLRA 8:3)

1. Chlen-korrespondent Akademii nauk SSSR (for Fedorov). 2. Glavnaya geofizicheskaya observatoriya im. A.I.Voeykova (for Predtechenskiy, Lebedev, Yanishevskiy, Isayev, Rakipova, Pokrovskaya, Orlova, Rubinshteyn, Budyko, Shcherbakova, Anapol'skaya, Dunayeva, Rudneva, Gavrilov, Zavarina). 3. Ukrainskiy nauchno-issledovatel'skiy gidrometeorologicheskiy institut (for Buchinskiy).

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

FEDOROV, Ye.Ye., professor; PREDTECHENSKIY, P.P., and others.

Discussion of the report (in the form of debates) [of the current state climatological research and methods of developing it]. Inform. sbor. GUGMS no.3/4:26-154 '54. (Card 2) (MIRA 8:3)

4. Vsesoyuznyy institut rasteniyevodstva (for Selyaninov, Rudenko). 5. Bioklimaticheskaya stantsiya Kislovodsk (for Boshno). 6. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova (for Alisov). 7. Ministerstvo putey sooobshcheniya SSSR (for Biryukov). 8. Institut geografii Akademii nauk SSSR (for Gal'tsov, Grigor'yev). 9. Geofizicheskaya komissiya Vsesoyuznogo geograficheskogo obshchestva (for Eygenson). 10. Ministerstvo elektrostantsiy i elektropromyshlennosti SSSR (for Muretov). 11. Leningradskiy gosudarstvennyy universitet im. A.A.Zhdanova (for Khromov). 12. TSentral'nyy nauchno-issledovatel'skiy gidrometeorologicheskiy arkhiv (for Sokolov, Zolotarev). 13. Gosudarstvennyy okeanograficheskiy institut (for Samoylenko). 14. TSentral'nyy institut prognozov (for Usmanov, Sapozhnikova). 15. Institut geografii Akademii nauk SSSR i TSentral'nyy institut kurortologii (for Chubukov). 16. Nauchno-issledovatel'skiy institut imeni Sechenova, Yalta (for Tretyakov). 17. Arkticheskiy nauchno-issledovatel'skiy institut (for Vangengeym).

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

FEDOROV, Ye.Ye., professor; PREDTECHENSKIY, P.P., and others.

Discussion of the report (in the form of debates) [of the current state of climatological research and methods of developing it]. Inform.sbor. GUGMS no.3/4:26-154 '54. (Card 3) (MLRA 8:3)

18. Dal'nevostochnyy nauchno-issledovatel'skiy gidrometeorologicheskiy institut (for Sokolov). 19. Institut geologii i geografii Akademii nauk Litovskoy SSR (for Styro). 20. Rostovskoe upravlenie gidrometsluzhby (for Temnikova). 21. Morskoy gidrofizicheskiy institut Akademii nauk SSSR (for Dmitriyev). 22. Vsesoyuznyy institut rasteniyevodstva (for Malyugin). 23. Akademiya nauk Estonskoy SSR (for Liedemaa). 24. Akademiya nauk Armyanskoy SSR (for Bagdasaryan). 25. Leningradskiy gidrometeorologicheskiy institut (for Milevskiy).

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

FEDOROV, Ye.Ye., professor; PREDTECHENSKIY, P.P , and others.

Discussion of the report (in the form of debates) [of the current state climatological research and methods of developing it]. Inform.sbor. GUGMS no.3/4:26-154 '54. (Card 4) (MLRA 8:3)

26. Gosudarstvennyy gidrologicheskiy institut (for Bochkov). 27. Kazakhskiy nauchno-issledovatel'skiy gidrometeorologicheskiy institut (for Uteshev). 28. Upravlenie gidrometsluzhby Armyanskoy SSR (for Nersesyan). 29. Leningradskoye upravleniye gidrometsluzhby (for Mikhaylov, Devyatkova). 30. Tbilisskiy gosudarstvennyy universitet (for Tsomaya). 31. TSentral'naya aerologicheskaya observatoriya (for Shmeter).
(Climatology)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

KALMANSON, A.E.; CHUMAKOV, V.M.; TROTSENKO, V.L.

Structural water and electron transport in a cell. Dokl. AN SSSR 164 no.5:1167-1170 O '65. (MIRA 18:10)

1. Institut virusologii im. D.I.Ivanovskogo AMN SSSR. Submitted July 13, 1965.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

KALMANSON, A.E.; TROTSENKO, V.L., CHUMAKOV, V.M.; KHARITONOVKOV, I.G.

Nature and role of free radical in biological [illegible]. (MIRA [illegible])
AN SSSR 161 no.5:1212-1215 Ap '65.

1. Institut viruselogii im. I. I. Ivanovskogo AMN SSSR, [illegible]
mitted January 15, 1964.

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

ACC NR: AP7001798 SOURCE CODE: UR/0220/66/035/006/1087/1093

AUTHOR: Trotsenko, Yu. A.

ORG: none

TITLE: Green photosynthesizing bacteria isolated from Sernoye Lake

SOURCE: Mikrobiologiya, v. 35, no. 6, 1966, 1087-1093

TOPIC TAGS: microbiology, photosynthesis, ~~photosynthetic~~ bacteria, pseudomonas, chloropseudomonas, closed ecological system link, closed ecological system

ABSTRACT: A pure culture of green photosynthetic bacteria, identified as Chloropseudomonas sp., was isolated from Sernoye ("Sulfur") Lake in Kuybyshev oblast. The pigments present in this bacterium are those typical of the Bacteriaceae: bacterioviridin-660, bacteriochlorophyll-α, and chlorobactin (an arylation product of γ-carotin). Physiological study revealed the bacterium to be a strictly anaerobic photosynthesizing organism, capable of autotrophic development on a mineral medium containing bicarbonate as a carbon source and sulfide as an electron donor. The optimum concentration of sulfide was 0.1%—0.2%, or 80—160 mg of Na_2S per liter of H_2S. Sulfide electron donors rejected by the bacteria included molecular hydrogen, sulfite and bisulfite, thiosulfate, hydrosulfite, metabisulfite, tetrathionate, sodium persulfate, and thiocyanate.

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ACC NR: AP7001798

Rejected organic sulfur compounds included formaldehyde bisulfite, dithiocarbamate, thioglycolate, methionine, cystine, and cysteine. The bacterium was found to flourish on media composed of bicarbonates with various organic compounds and traces of H_2S. The following list shows biomass density (millions of cells per milliliter) in five-to six-day cultures on media containing the following organic compounds (alcohols and ketones, carbohydrate, and organic acids):

ethanol	270	butanol	85
propanol	190	isoamyl alcohol	64
glycerin	162	formic acid	62
lactic acid	150	pyruvic acid	44
glucose	110	malic acid	34
xylose	105	fumaric acid	13
sucrose	103	propionic acid	10
fructose	98	sorbose	8
isobutanol	90	succinic acid	8
maltose	87	methanol	7

Rejected organic compounds were: isopropanol, amyl alcohol, mannitol, dulcitol, inositol, sorbitol, acetone, talose, arabinose, raffinose, lactose, galactose, rhamnose, acetic acid, valerianic acid, butyric acid, tartaric acid, citric acid, maleic acid, glutaric acid, amlonic acid, ascorbic acid, α-ketoglutaric acid, oxalic acid, oxalacetic acid,

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ACC NR: AP7001798

glyoxalic acid, and dithiodiglycolic acid. The bacterium was further cultured on ethanol (the best of the organic media) containing various nitrogen compounds, with the following results:

NH_4Cl	290	α-alanine	58
$(NH_4)_2SO$	270	arginine	54
urea	44	leucine	52
asparaginic acid	90	ornithine	48
glutaminic acid	48	caseine hydrolysate	126

The bacteria rejected nitrites, nitrates, hydroxyl amine and peptone, and such amino acids as glycine, α-alanin, phenyl alanin, valine, norvaline, histidine, norleucine, serine, trytophan, proline, cysteine, and cystine. The present organism differs from the previously isolated Chloro-pseudomonas ethylicum, which is capable of utilizing acetate but cannot utilize formate, lactate, propanol, or glycerin. On ethanol, the present organism assimilated CO_2 and intensively oxidized ethanol to form acetic acid. Some of the carbon from the ethanol seems to enter into cell construction.

SUB CODE: 05, 06/ SUBM DATE: 19Apr66/ ORIG REF: 005/ OTH REF: 011/
ATD PRESS: 5112

Card 3/3

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

SHERGINA, S.I.; ZANINA, A.S.; TROTSENKO, Z.P.; KOTLYAREVSKIY, I.L.

Chemical properties of diethynlarenes. Izv. AN SSSR. Ser. khim. no.3:574-578 '65. (MIRA 18:5)

1. Institut khimicheskoy kinetiki i goreniya Sibirskogo otdeleniya AN SSSR.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

TROTSENKO, Z.P.

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A057/A126

11.0160

AUTHORS: Kolechits, I.V., Pavlova, K.A., Kaliberdo, L.M., Skvortsova, G.G., Bogdanova, T.A., Sidorov, R.I., Trotsenko, Z.P.

TITLE: On the chemism of transformations of bi-cyclic hydrocarbons under conditions of destructive hydrogenation

PERIODICAL: Akademiya nauk SSSR. Vostochno-Sibirskiy filial. Trudy. Seriya khimicheskaya, no. 38, Moscow, 1961. Prevrashcheniya aromaticheskikh uglevodorodov v protsesse destruktivnoy gidrogenizatsii., 31 - 57

TEXT: Laboratory experiments on destructive hydrogenation of naphthalene, tetralin, and decalin were carried out under semi-industrial conditions in presence of industrial catalysts. The composition of the products obtained was classified, 17 single hydrocarbons were separated, and 11 more determined by spectrum analysis. It is shown that transformations of bi-cyclic hydrocarbons occur in the presence of tungsten catalysts and in vapor-phase processes preferably by consecutive hydrogenation isomerization, and final splitting. The transformations observed are explained by the carbenium-ionic the-

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A057/A126

On the chemism of .....

ory, and schemes for transformations of bi-cyclic hydrocarbons in vapor- and liquid-phase processes presented. In the present paper a discussion is presented of the problem of transformations of polycyclic hydrocarbons with a review of appropriate literature data. Among the problems to be solved is the question, whether a direct splitting of the ring is possible in hydrocarbons of the tetralin, tetrahydroanthracene, etc. type, or whether isomerization occurs before and which bonds and by what reasons are most easily split. This and related problems were investigated before. Experiments were carried out too, with a powdered Fe-semicoke catalyst at 470°C, 450 atm, 3 h and 10% catalyst. The products obtained were separated by fractional distillation, and the remainder chromatographically treated over silica gel [types МСМ (MSM), or КСМ (KSM)]. After separating methane-naphthenic and aromatic fractions, narrow cuts were prepared by fractional distillation. The cuts were specified by n_D^{20} and d_4^{20} values, and some also by Raman spectra [taken on an ИСП-51 (ISP-51) spectrograph]. The amount of cyclohexane and homologues, and of bicyclic hydrocarbons containing hexamethylene rings were determined by D.D. Zelinskiy's method of dehydrogenation catalysis. The content of paraffinic and monocyclic naphthenic hydrocarbons was determined by means of specific refraction R_D and molecular

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On the ...ism of .....

weight and nomograms. In fractions boiling above 144°C, the n_D value decreased, thus indicating the presence of bi-cyclic naphthenes. The authors assumed for these fractions that 1) only a mixture of paraffinic and bicyclic naphthenes is present, or 2) only mono-. and bicyclic naphthenes. A principal difference in the transformation mechanism of bicyclic hydrocarbons between liquid- and vapor-phase conditions can be seen by comparing the types of hydrocarbon groups in the hydrogenation products. Completely different occurs the vapor-phase hydrogenation in presence of tungsten catalysts. The isomerization process is much more intensive (twice as many products) than in liquid-phase hydrogenation, or without catalyst. The present experimental data, as well as those obtained in prior investigations (with other catalysts) can be explained by assuming the ionic mechanism. A partial occurence of a radical mechanism is not excluded. There are 6 figures and 10 tables.

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5.3300

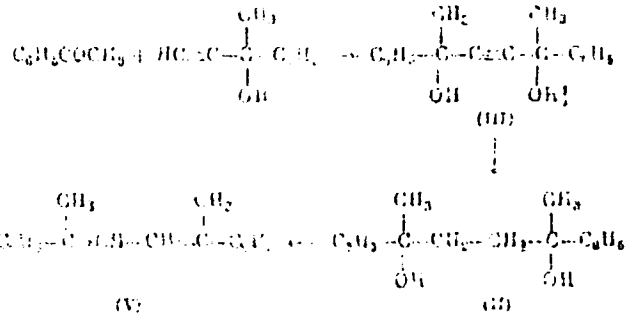
77867
SOV/79-30-2-18/73

AUTHORS: Kotlyarevskiy, I. L., Shvartsberg, M. S., Trotsenko, Z. P.

TITLE: Unsaturated Hydrocarbons. XI. Synthesis of p-Terphenyl

PERIODICAL: Zhurnal obshchey khimii, 1960, Vol 30, Nr 2, pp 440-443 (USSR)

ABSTRACT: para-Terphenyl (I) was synthesized by aromatization of dehydration products of 2,5-biphenylhexanediol-2,5 (II). The following scheme illustrates the synthesis route:



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Unsaturated Hydrocarbons. XI

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The 2,5-biphenylhexyne-3-diol-2,5 (III) is obtained as a mixture of two isomers (with mp 162-164° (IIIa) and 122-123° (IIIb)), which, upon hydrogenation (over skeletal Ni) give corresponding diols (IIa and IIb). Dehydration of both forms gives identical results, a mixture of V and IV. Aromatization of the latter products were conducted in the flow system described earlier (Kotlyarevskiy, I. L., Shvartsberg, M. S., Zhur. obshchey khim., 29, 2649 (1959)) over $MgO(Cr_2O_3)Al_2O_3$ (2:18:80) at 550°, feeding the reactants

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Unsaturated Hydrocarbons. XI

77867
SOV/79-30-2-18/78

(20% solution of the starting compound in benzene) at the rate of 0.7 kg/l catalyst · hr. After distilling benzene, the precipitate was washed with boiling alcohol, mp 208.5-209° (from alcohol). There are 11 references, 7 Soviet, 1 German, 1 French, 2 U.S. The 2 U.S. references are: F. E. Ray, E. Sawicki, O. H. Borum, J. Am. Chem. Soc., 74, 1247 (1952); R. A. Friedel, M. Orchin, Ultraviolet Spectra of Aromatic Compounds, N. Y. (1951).

ASSOCIATION: Institute of Chemistry, East-Siberian Branch of the Academy of Sciences, USSR (Institut khimii Vostochno-Sibirskogo filiala Akademii nauk SSSR)

SUBMITTED: April 23, 1959

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

81617
S/181/60/002/06/05/050
B122/B063

24.4100

AUTHOR: Troshchenko, V. T.

TITLE: The Problem of Energy Scattering in a Material

PERIODICAL: Fizika tverdogo tela, 1960, Vol. 2, No. 6, pp. 1060-1069

TEXT: Papers by N. N. Davidenkov, G. S. Pisarenko, and Ye. S. Sorokin (Ref. 1-3) are mentioned in the introduction of the article under review. It describes investigations of the damping characteristics of a material, carried out under the supervision of G. S. Pisarenko, Corresponding Member of the AS UkrSSR. The energy scattering in the material is assumed to be due to microscopic deformations which were calculated with the aid of mathematical statistics. The calculation, in which the metal is regarded as consisting of individual crystallites exhibiting different mechanical properties, makes use of the results by N. N. Afanas'yev for simplification. These results show that all grains in the direction of the force applied have the same flow limit but different stresses, and that the grains do not approach one another during deformation. For the

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81617

The Problem of Energy Scattering in a Material S/181/60/002/06/05/050
B122/B063

stress distribution in the entire sample and on applying expansion forces, a hypothetical distribution function is set up, which constitutes the basis for the further calculation of the entire deformation energy of all plastically deformed grains per expansion - compression cycle. The mean energy capacity K_m of the microvolume is introduced for the energy distribution over the various microvolume elements. The number of plastically deformed grains in the volume element at a given stress is dependent upon the flow limit of the grains (σ_T), on the mean stress distribution $\bar{\sigma}$, and on the type of distribution curve assumed. As the integrals obtained in this connection cannot be solved, the limiting cases $\bar{\sigma} \to 0$ and $\bar{\sigma} \to \sigma_T$ are studied on the assumption of a Gaussian distribution curve. With the aid of the results obtained in this connection, the expression $A = A_0 + B(\frac{\sigma_m}{\sigma_T})^m$ was found for the number of plastically deformed grains per unit volume $A = \int_{\sigma_T}^{\infty} p(\sigma)d\sigma$ (σ_m = mean stress of the sample), which is inserted into the expression for the

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energy dW scattered per unit volume in the material. It follows from the expression obtained (24) that the energy scattering in the material is proportional to the m-th power of the ratio: mean stress of the sample - flow limit. It further depends on the number of grains per unit volume, on the mean energy of the plastically deformed microvolume, and on the dispersion B of the energy distribution function over all grains.

$\Delta W = 2\bar{N}K_m \int_{\sigma_T}^{\infty} p(\sigma)d\sigma$ (11) $\longrightarrow \Delta W = \bar{N}K_m B \left(\frac{\sigma_m}{\sigma_T}\right)^m$ (24), $\bar{N}$ = number of grains per unit volume. σ = normal stress. Next, the influence exerted by an irregular stress distribution on the function obtained is studied, and expressions are therefrom derived for the cyclic viscosity under various stress conditions. The resulting values are in good agreement with experimental data. There are 3 figures, 3 tables, and 12 references: 8 Soviet, 1 German, and 2 English.

ASSOCIATION: Institut metallokeramiki i spetsial'nykh splavov AN USSR, Kiyev (Institute of Powder Metallurgy and Special Alloys

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APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

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81617

The Problem of Energy Scattering in a Material S/181/60/002/06/05/050
B122/B063

of the AS UkrSSR, Kiyev)

SUBMITTED: August 7, 1959

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APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

TROTSENKO, Z. P.

AUTHORS: Kal[illegible] Shvor[illegible] ko, Z. P.

TITLE: The ch[illegible] under [illegible]

PERIODICAL: Referat[illegible] 17[illegible] (Kr. [illegible] 31 - 37)

TEXT: Experiments on the [illegible] tetralin, and [illegible] The conditions [illegible] industrial catalys[illegible] cases individual [illegible] is proved that, in [illegible] carbons are mostly [illegible] followed by ise[illegible]

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The chemical affinity of...

the rings split [illegible]
[illegible] prod[illegible]
[illegible] [illegible]ations [illegible]
[illegible] are mostly [illegible]
but which mostly [illegible]
[illegible] ring. [illegible]
[illegible] liquid ph[illegible]
[illegible] trans[illegible]

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KALECHITS, I.V.; PAVLOVA, K.A.; KALIBERDO, L.M.; SKVORTSOVA, G.G.; BOGDANOVA, T.A.; SIDOROV, K.I.; TROTSENKO, Z.P.

Chemical mechanism of transformations of bicyclic hydrocarbons in destructive hydrogenation. Trudy Vost.-Sib.fil.AN SSSR no.38:31-57 '61. (MIRA 15:4)
(Hydrocarbons) (Hydrogenation)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

S/678/61/000/038/004/009
A057/A126

AUTHORS: Sidorov, R.I., Trotsenko, Z.P., Nakhmanovich, A.S.

TITLE: Investigation of the composition of industrial liquid-phase hydrogenation products. Report 5. Investigations of the composition of mixtures of aromatic hydrocarbons of the liquid-phase hydrogenation products obtained from heavy oil of medium-temperature tar of Cheremkovo coal

PERIODICAL: Akademiya nauk SSSR. Vostochno-Sibirskiy filial. Trudy. Seriya khimicheskaya, no. 38, Moscow, 1961. Prevrashcheniya aromaticheskikh uglevodorodov v protsesse destruktivnoy gidrogenizatsii., 68 - 76

TEXT: Mixtures of aromatic hydrocarbons were investigated, separated from an industrial liquid-phase hydrogenation product of a heavy oil of medium-temperature coal tar from Cheremkovo, which was studied already in an earlier paper [Ref. 1: Trudy Vostochno-Sibirskogo filiala SO AN SSSR, Seriya khimicheskaya, 18, 5 (1959)]. The purpose was to determine the homologous series of

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Investigation of the composition.....

aromatic hydrocarbons and their quantity in these mixtures. The mixtures were distilled on laboratory rectification colums, and the fractions obtained were specified by refraction indices, specific and molecular weight, by ultraviolet absorption spectra, and qualitative picric acid tests. Some fractions were identified by the n-d-M method (Van Nes - Van Westen's method). Tetralin was determined by N.D. Zelinskiy's dehydrogenation method. Tabulated results of 56 fractions of samples 1 - 3 show a content (in relation to the total neutral part of the product) of homologous series of: 7.7% benzene, 7.4% indane, 14.6% tetralin, and naphthalene. No compounds of the homologous series of diphenyl and cyclohexylbenzene could be observed. The fractions of sample 4 (boiling at 210 - 320°C) show a considerable complex composition. They contain a small amount (0.3%) of compounds of the benzene series, compounds with one aromatic and one naphthenic ring, compounds with two aromatic rings (among these naphthalene), and some with simultaneous two aromatic and one naphthenic ring (probably acenaphthenes, and possibly fluorenes). Fractions boiling above 320°C contain neutral oxygen compounds of a homologous series represented by the formula $C_nH_{2n-18}O$. By chromatographic separation of a fraction boiling at 420° - 520°C, an oxygen compound containing C - 87.6%, H - 6.26%, and O - 6.14%

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Investigation of the composition.....

was isolated. Assuming also a single oxygen atom in the molecule, the authors suggest the formula $C_nH_{2n-24}O$ for the homologous series. Thus, apparently, the latter belongs to the aforementioned type of oxygen compounds, but contains a fourth benzene ring. There are 1 figure and 3 tables.

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APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

SIDOROV, R.I.; TROTSENKO, Z.P.

Study of the composition of industrial liquid-phase hydrogenates. Report No.1: Composition of the broad fraction of a heavy oil liquid-phase hydrogenate of the moderate temprature tar from Cheremkhovo coal. Trudy Vost.-Sib.fil.AN SSSR no.18:5-13 '59. (MIRA 12:10)

(Coal-tar products)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

SIDOROV, R.I.; NIKOLAYEVA, D.Kh.; TROTSENKO, Z.P.

Study of the composition of industrial liquid-phase hydrogenates. Report No.3: Composition of the tar hydrogenate obtained at 450°. Trudy Vost.-Sib.fil.AN SSSR no.18:21-31 '59. (MIRA 12:10)
(Coal-tar products)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

SIDOROV, R.I.; TROTSENKO, Z.P.; NIKOLAYEVA, D.Kh.

Study of the composition of industrial liquid-phase hydrogenates. Report No.4: Composition of a hydrogenate of Cheremkhovo coal. Trudy Vost.-Sib.fil.AN SSSR no.18:32-41 '59. (MIRA 12:10)
(Coal-tar products)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

SOV/126-7-6-15/24

AUTHORS: Kostetskiy, B. I. and Trotsik, O. I.

TITLE: Investigation of the Structure of Iron and Steel During High-Temperature Oxidation in an Atmosphere of Air

PERIODICAL: Fizika metallov i metallovedeniye, 1959, Vol 7, Nr 6, pp 899-902 (USSR)

ABSTRACT: The object of this work was to compare data on the properties of oxide phases formed in scaling of iron and steel with corresponding data for phases found in the surface layers of iron in oxidizing friction. Fig 1 shows the structure of friction-oxidized St.45 steel with two oxide phases over the metal. Specimens of armco iron and type St.45 steel were oxidized at 650-800°C for 2 hours, this being followed by air or water cooling. The structures for oxidized armco iron are shown in Figs 2-5 (etching with 4% nitric acid in alcohol). The 100-300 micron-thick scale generally consisted of a thin (5-45 μ) outer layer of ferric oxide, a 30-120 μ thick layer of ferrous magnetic oxide and an inner (70-150 μ) layer of ferrous oxide. The respective hardness values (50 g load) were 1145, 645, 550-645 kg/mm^2, that of the base metal being 140 kg/mm^2. Grains in the outer layers of the metal were

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SOV/126-7-6-15/24

Investigation of the Structure of Iron and Steel During High-Temperature Oxidation in an Atmosphere of Air

surrounded by a light-coloured phase which had a hardness (20 g load) of 500-550 kg/mm^2 and distorted interference lines (Figs 4 and 5). The sub-scale layer of iron consists, the authors consider, of solid solutions of oxygen in iron. With St.45 steel oxidized at 650°C for two hours the structure shown in Fig 6 was obtained: this has a hard white non-etching structure under the scale, similar to that obtained by friction. The authors conclude that this work confirms their hypothesis that oxidation in friction occurs by way of formation of solid solutions of oxygen in iron which are stabilized under certain cooling conditions.
There are 6 figures and 15 references, 3 of which are Soviet, 8 English, 1 French and 3 International.

ASSOCIATION: Kiyevskiy institut Grazhdanskogo flota (Kiyev Merchant Marine Institute)

SUBMITTED: June 7, 1957 (Initially)
April 14, 1958 (After revision)

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APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

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KOSTETSKIY, B.I.; NOSOVSKIY, I.G.; TOPEKHA, P.K.; TROTSIK, O.I.; KAHETA, N.L.

X-ray investigation of the structure of friction surfaces. Fiz. met. i metalloved. 7 no.1:95-101 Ja '59. (MIRA 12:4)

1. Kiyevskiy institut grazhdanskogo vozdushnogo flota.
(Steel--Metallography) (Surfaces (Technology))

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

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TROTSINA, A.M. (Moskovskaya oblast')

Organization of pediatrics in rural areas. Med.sestra 17 no.9:18-21 S'58 (MIRA 11:10)

(PEDIATRICS)
(MEDICINE, RURAL)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

TROTSINA, A.M.

Establishing efficient nutrition for infants during their first year of life in a municipal medical sector for advice of mothers. Pediatriia no.7:42-45 Jl '57. (MIRA 10:10)

1. Glavnyy pediatr Mosoblzdravotdela (for Trotsina). 2. Iz konsul'tatsii No.1 Ob"yedinennoy detskoy bol'nitsy g. Kuntsevo.
(INFANTS--NUTRITION)

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PROCESSES AND PROPERTIES INDEX

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22

The Struggle of the United States of America for the Rare Metals. Z. I. Trotskaia (*Redkie Metalli* (*Rare Metals*), 1935, (5), 51-55).—[In Russian.] A review of the development of the rare metal industry of the U.S.A.—D. N. S.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

TROTSKAYA, G.M. (Leningrad)

Electrophoresis administration of dionin in the treatment of influenza. Kaz.med.zhur. 40 no.3:83-84 My-Je '59.(MIRA 12:11)
(MORPHINE) (ELECTROPHORESIS) (INFLUENZA)

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1ST AND 2ND ORDERS

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3RD AND 4TH ORDERS

BC

B-I-5

Thermal expansion of steels from 20° to 900°. J. A. Trotski and E. G. Tschvidkovski (J. Tech. phys. U.S.S.R., 1934, 4, 1910—1935).—Data for 22 alloy steels containing C, Si, Mn, S, P, W, Cr, Ni, and V are given. Ch. Abs. (e)

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

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A-1

BC

METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

BC

A-4

Action of ultra-violet light on the antigenic, toxic, and immunization characteristics of bacteria. V. L. Trotski, T. A. Svizidova, and L. P. Supek (J. Microbiol. Epidemiol. Immunobiol. U.S.S.R., 1935, 15, 519—531).—Bacteria killed by ultra-violet light lose much of their toxicity in test animals but completely retain their antigenic and immunization characteristics. Ch. Abs. (p)

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

CA

11-B

A cage for metabolism studies on small animals. Yu. A. Trots'kil and S. R. Frenkel. *Biochem. J.* (Ukraine) 10, 725-7(in Russian 728-30)(1937). E. E. S.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2"

"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

PHASE I BOOK EXPLOITATION SOV/5084

International Conference on the Peaceful Uses of Atomic Energy. 2d, Geneva, 1958

Doklady sovetskikh uchenykh. [t.4] Khimiya radioelementov i radiatsionnykh prevrashcheniy (Reports of Soviet Scientists. v. 4.: Chemistry of Radioelements and Radiation Transformations) Moscow, Atomizdat, 1959. 543 p. 8,000 copies printed. (Series: Its: Trudy)

Ed. (Title page): A. P. Vinogradov, Academician; Ed.: V. I. Labaznov; Tech. Ed.: Ye. I. Mazel'.

PURPOSE: This collection of articles is intended for scientists and engineers interested in the applications of radioactive materials in science and industry.

COVERAGE: The book contains 26 separate studies concerning various aspects of the chemistry of certain radioactive elements and the processes of radiation effect on matter. These reports discuss present-day methods of reprocessing irradiated nuclear fuel, research in the chemistry of mercury, thorium, uranium, plutonium, and americium, problems related to the sorption and burying of radioactive wastes, the radiolysis of aqueous solutions and of organic compounds, the mechanism of polymer chain grafting, and the effect of radiation on natural and synthetic rubbers. V. N. Prusakov edited the present volume. Most of the reports are accompanied by references. Contributors to individual investigations are mentioned in annotations to the Table of Contents.

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[The following personalities are mentioned as having taken part in this investigation: E. M. Indikov, K. P. Lunichkina, Ye. V. Ukraintsev, Z. N. Tsvetkova, and V. V. Chubukov.]

Vdovenko, V. M., and M. P. Koval'skaya. Separation of Uranium and Plutonium From Fission Products by Extraction With a Mixture of Dibutyl Ether and Carbon Tetrachloride (Report No. 2216) 34

Vdovenko, V. M. Distribution of Fragmentation Elements in the Process of the Ether Extraction of Uranium and Plutonium (Report No. 2206) 41

Prusakov, V. N., N. F. Simonov, and N. M. Trotsenko. Dry Method of Regenerating Irradiated Uranium (Report No. 2253) 49
[The authors thank I. K. Kikoin and A. T. Kolotukhin.]

Brezhneva, N. Ye., V. I. Levin, G. V. Korpusov, N. M. Man'ko, Ye. K. Bogacheva, L. V. Khoreshko, and G. F. Platnova. Separation of Fragmentation Radioactive Elements (Report No. 2295) 57
[The authors thank S. Z. Roginskiy, Corresponding Member AS USSR.]

Ryabchikov, D. I., M. M. Senyavin, and Yu. S. Sklyarenko. Separation of Individual Rare Earth Elements (Report No. 2231) 75

Nikol'skiy, B. P., and V. I. Paramonova. Using Ion-Exchange to Study the State of Radioactive Substances in Solution (Report No. 2204) 89

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[The individual studies of the following researchers have been included in the last part of this paper: Ye. N. Traggeym, L. K. Shubochkin, T. V. Sergeyeva, and I. V. Tsapkina.]

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[A. M. Rubinshteyn is mentioned for his part in this study.]

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BOKSHA, V.G., kand. med. nauk; TROTSENKO, S.Ya., kand. med. nauk

Scientific session dedicated to the 50th anniversary of the I.M. Sechenov Institute of Medical Climatology and Climatotherapy. Vop. kur., fizioter. i lech. fiz. kul't. 30 no.4: 376 Jl-Ag '65. (MIRA 18:9)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

TITLE: Highly unsaturated polymers. Communication [illegible]. Synthesis and [illegible]
sation of diacetylenic derivatives of phenanthrene

SOURCE: AN SSSR. Izv. Seriya khimicheskaya, [illegible] 1964, 1000-[illegible]

[illegible] the effects of monomer
[illegible] the physical [illegible] were synthesized in
[illegible] unsaturated units.

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benzene (IV), and of III and IV were similarly made. The IR spectra and EPR data

tabulated. "Electron paramagnetic resonance spectra were

obtained in the laboratory of

and L. A. Shapovalov, whom the authors thank." Orig. art. has: 2 tables and 2

SUBMITTED: 21Nov62 ENCL: 00 SUB CODE: OX

NO REF SOV: 003 OTHER: 001

Card 2/2

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

SIDOROV, R.I.; TROTSENKO, Z.P.; NAKHMANOVICH, A.S.

Composition of industrial liquid-phase hydrogenates. Report No.5: Composition of mixtures of aromatic hydrocarbons of liquid-phase hydrogenates of heavy oils from middle tar of Cheremkhovo coal. Trudy Vost.-Sib.fil.AN SSSR no.38:68-76 '61. (MIRA 15:4)
(Coal-tar products)
(Hydrocarbons)

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FISHER, L.B.; KOTLYAREVSKIY, I.L.; DOBININA, Ye.S.; TROTSENKO, I.A.

Highly unsaturated polymers. Report No.9: Synthesis and polycondensation of diacetylene derivatives of phenanthrene. Izv. AN SSSR. Ser. khim. no.6:1090-1095 Je '64. (MIRA 17:11)

1. Institut khimicheskoy kinetiki i goreniya Sibirskogo otdeleniya AN SSSR.

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TROTSKII, N.N.

BOSKIS, S.G. and N.N. TROTSKII. Perspektivy kompleksnogo ispol'zovaniia vodnozemel'nykh ressursov basseina reki Ürala; so vstupitel'noi stat'ei direktora Giprovoda V.A. Gel'i[illegible]. Moskva, Sa[illegible], 1934. 2[illegible], (2) p. (VKZ-SSSR. Glavnoe upravlenie vodnogo khoziaistva. Vsisoiuznyi gosudarstvennyi institut po proiktirovaniiu gidrotekhnicheskikh i vodokhoziaistvennykh sooruzhenii).
DLC: TC[illegible]

SO: LC, Soviet Geography, Part II, 1951, Unclassified

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

TROTSKII, M.N.

TROTSKII, M.N.
Perspektivy komleksnogo ispol'zovaniia vodnozemel'nykh ressursov bassejna reki Urala; so vstupitel'noi stat'ie V.A. Fel'dmana. Moskva, Sazgiprovod, 1934. 269 p. (NKZ-SSSR. Glavnoe upravlenie vodnogo khoziaistva. Vsesoiuznyi gosudarstvennyi institut po proektirovaniiu gidrotekhnicheskikh i vodokhoziaistvennykh sooruzhenii "Giprovod".)

DLC:TC486.U7B6

SO: LC, Soviet Geography, Part I, 1951, Uncl.

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TROTsKAYA, G. M. Cand Med Sci — (diss) "Medical Treatment of Dionin-Electrophoresis In Influenza and Its Complications as Regards the Respiratory Organs," Leningrad, 1960, 12 pp, 250 copies (Leningrad Pediatrics Medical Institute) (KL, 47/60, 107)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

TROCKIJ, Vsevolod [Trotskiy, Vsevolod]

New data on the inner temperature of the moon. Term tud kozl 8 no. 2: 93 F '64.

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

BARAN, M., dotsent; TROTSKIY, Yu. [Trots'kyi, IU.], dotsent

Best vitamin bearer, Nauka i zhyttia 12 no.4:51 Ap '62. (MIRA 15:8)

(UKRAINE--ROSES) (VITAMINS)

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

S/254/62/000t004/002/002
I025/I225

AUTHOR: Baran, M. and ~~Trotsk'yy,~~ TROTSKIY Yu.

TITLE: The best vitamin-bearer

PERIODICAL: Nauka i zhyttya, no. 4, 1962, 51

TEXT: The plant shipshina (in Ukrainian) is one of the richest in vitamins. It contains hundreds and thousands times more vitamin C than the best fruit and lemons 5 to 10 gr. of shipshina are sufficient to give the organism the necessary quantity of anti-scurvy vitamins. A vitamin liquor can be prepared from dry berries by rinsing them first in cold water, and then covering them with boiling water (one glass per 5-10 gr.) This is left for 3 to 6 hours to produce the essence, which is then filtered. This is taken one glass a day, especially at the end of winter and beginning of spring, when the supply of vitamins is scarce.

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11F

CA

Creatinuria after ingestion of meat during the exhaustion of carbohydrate supplies in the organism. S. I. Vinokurov and Yu. A. Trotskii. *Ukrain. Biokhem. Zhur.* 9, 583-9 (in Russian 589, in English 500-1) (1936). When carbohydrate expended by the organism is provided by the carbohydrate of the ration, the ingestion of meat (500 g. of boiled meat) did not produce creatinuria or produced it for only a short time and to a slight degree. When the carbohydrate supplies were exhausted, meat ingestion caused considerable creatinuria. F. R. S.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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TROTSKII, YU. A.,
B. G. LEVIN, Voprosy Pitaniya 4, No. 2, 7-16, (1935)

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TROTSKII, YU.
B. TYUTYUNNIKOV, Ukrain. Khem. Zhur. 11, 415-23, 1936

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"APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756810001-2

DITERIKHS, F.M.; KULAKOV, V.S.; SVYATLOVSKIY, A.Ye.; ZAVARITSKIY, A.N., akademik, glavnyy redaktor; KULAKOV, V.S. geolog; TROTSKIY, A.N. khimik.

Parasitic craters of Klyuchevskaya Sopka, arising in 1932. Trudy Kamch. vulk.sta. no.2:3-23 '48. (MLRA 6:5)

1. Kamchatskaya vulkanologicheskaya stantsiya. (Klyuchevskaya Sopka)

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