"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

KOSAREV, A.M.; MEDVEDEVA, R.Ya.

Improved method of sizing leather board. Leg.prom. 14 no.8:46-47 Ag '54. (MLRA 7:8)

1. Direktor zavoda "Istekhkozh" (for Kosarev). 2.Nachal'nik laboratorii (for Medvedeva).
(Leather incustry--By-products)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

KOSAREV, A.M.; MEDVEDEVA, R.Ye.

Continuous grinding of vegetable-tanned leather wastes in beaters. Leg.prom. 17 no.6:47-49 Je '57. (MLRA 10:8)
(Leather industry--By-products)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

VINCH, L.V.; MEDVEDEVA, S.A. [Medviedieva, S.A.]; SOKOLOVSKAYA, N.S. [Sokolovs'ka, N.S.]

Design and construction of women's knit wear by the method developed at the Ukrainian Scientific Research Institute on the Processing of Synthetic Fibers. Leh.prom. no.4:15-22 O-D '62. (MIRA 16:5)

1. Kiyevskiy Dom modeley trikotazhnykh izdeliy.
(Knit goods industry) (Dressmaking—Pattern design)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

21783

18.8300 1138 1208 1454.

S/064/61/000/004/003/003
B110/B207

AUTHORS: Titov, V. A., Zotov, V. L., Medvedeva, S. F.

TITLE: Corrosion and the protection of the equipment of chemical factories

PERIODICAL: Khimicheskaya promyshlennost', no. 4, 1961, 64-66

TEXT: Subject of the present study is the selection of a corrosion-proof metal for reaction vessels of melamine production at 250°C and 120 atm, and the rectification columns for the separation of hydrochloric acid and methanol (15.3% HCl; 22.8% H_2O and 61.9% CH_3OH). Ст-3 (St-3) vessels must be replaced after 1.5-2 months, since in melamine production their upper parts are affected by corrosion-active water-, ammonia- and hydrogen sulfide vapors. Zinc Ц-2 (Ts-2), cadmium (99.78% Cd), aluminum А-0 (A-0), Ст-3 (St-3), steel 1Х18Н9Т (1Kh18N9T) samples as well as of the nickel alloy ЭИ-461 (EI-461) castalloy, of the type "В" ("V") were suspended on fluoroplast threads in the circular space between the body of the reaction vessel and the melamine cartridge. Zinc showed the least

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Corrosion and the protection ...

stability, followed by cadmium with a corrosion of 127 g/m^2 in 107 hr, (Fig.). Aluminum was very stable (approximately 5 g/m^2 in 207 hr, depth index 0.09 mm/year), its stability is due to the good protective properties of its oxide layer, stainless steel 1Kh18N9T (depth index in 207 hr = 0.2 mm/year). ЭИ-461 (EI-461) were less stable (depth index in 207 hr = 0.87/year and St-3, 70 g/m^2 in 100 hr. It is suggested to line the St-3 reaction vessel with a ≤ 3 mm thick layer of 1Kh18N9T stainless steel. The following alloys were tested with respect to their suitability for rectification columns: the titanium alloys: ВТ-1 (VT-1); ВТ-3 (VT-3); ВТ-5 (VT-5); ВТ-10 (VT-10); the following titanium- and niobium alloys: ТН-3 (TN-3), ТН-27 (TN-27), ТН-50 (TN-50), ТН-75 (TN-75); sheet lead, the alloys ЭИ-461 (EI-461) and ЭИ-943 (EI-943). Tantalum and niobium as well as their above alloys showed only a weight increase of 0.001 g after a 100 hr test in the boiling mixture of hydrochloric acid and methanol. The protective films were closely connected with the metal surface. Tantalum develops probably a Ta_2O_5 protective film. After rolling cold hardened tantalum corrodes at a

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rate of 0.062 $g/m^2 \cdot hr$; 1.25 hr in vacuum of 10^{-4} mm Hg at 1200°C, tempered tantalum corroded at a rate of 0.010 $g/m^2 \cdot hr$. Corrosion (100 hr) was increased from 0.033 $g/m^2 \cdot hr$ to 0.040 $g/m^2 \cdot hr$ owing to inhomogeneities at the welding points. With respect to corrosion stability, the following order is maintained (Fig. 2): titanium alloy ВТ-1Д (VT-1D), (corrosion rate: 4.2 $g/m^2 \cdot hr$). A reduction of corrosion after some time could be hardly noticed. Since boiling, chemically aggressive media do not only electrochemically dissolve the metal, but destroy it due to erosion, there must be added a special protective substance to the metal with the exception of Ta, Nb and their alloys. 0.01; 0.02; 0.03, and 0.04 mole $CuCl_2 \cdot 2H_2O$ were added per 1 l as protective agent since the addition of semi-noble metals leads to the precipitation of metal islands, microvapor formation, and anodic surface passivation. An addition of 0.02 mole/l reduced the corrosion rate of ВТ-1Д (VT-1D) titanium alloy by the 17-fold to 0.247 $g/m^2 \cdot hr$. The electroprotecting method is therefore also convenient for other metals. TN-75 can be recommended for

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Corrosion and the protection ... S/064/61/000/004/003/003
B110/B207

column lining as the cheapest among the extremely stable niobium- and tantalum alloys: TN-3, TN-27, TN-50, TN-75. There are 3 figures and 1 table.

ASSOCIATION: Moskovskiy institut stali im. I. V. Stalina (Moscow Steel Institute im. I. V. Stalin)

Legend to the Table:
a) Titanium alloy;
b) chemical composition in %.

a) Сплав титана	b) Химический состав, %									
	Ti	C	Si	Cr	Fe	Al	H_2	N_2	O_2	W
BT-1	99,671	—	0,03	—	0,12	—	0,015	0,024	0,14	—
BT-3	92,49	0,03	0,09	2,54	0,2	4,6	0,01	0,02	0,02	—
BT-5	93,58	0,05	—	—	0,17	5,0	—	—	—	1,2
BT-10	97,795	0,005	—	—	0,5	—	—	0,02	0,08	1,6

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APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

TITOV, V.A.; ZOTOV, V.L.; MEDVEDEVA, S.F.

Corrosion and protection of the equipment of chemical plants.
Khim.prom. no.4:286-288 Ap '61. (MIRA 14:4)

1. Moskovskiy institut stali imeni I.V.Stalina.

(Chemical engineering - Equipment and supplies)
(Corrosion and anticorrosives)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

IVANCHIKOVA, E.I.; KOLESNIKOVA, M.T.; KONOBRITSKAYA, Ye.M.; KUDRYASHOVA, M.M.; KUL'BAYEVA, Sh.N.; MEDVEDEVA, S.G.. Prinimali uchastiye: ABDULLINA, M.N.; KLIMENKO, K.M.; OVSYANKINA, V.I.; SOKOLOV, M.V.; URAZOVA, M.I.; VOROB'YEVA, G.P.. AKHMEDOVA, N.B., otv.red.; NOVOKHATSKIY, I.P., red.; SHEVCHUK, T.I., red.; AYTMUKHAMBETOVA, S.; ROROKINA, Z.P., tekhn.red.

[The Karaganda Economic Administrative Region; bibliography] Karagandinskii ekonomicheskii administrativnyi raion; bibliograficheskii ukazatel' literatury. Alma-Ata, 1959. 458 p. (MIRA 13:2)

1. Akademiya nauk Kazakhskoy SSR. Alma-Ata. TSentral'naya nauchnaya biblioteka.
(Bibliography--Karaganda Economic Region)
(Karaganda Economic Region--Bibliography)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

MEDVEDEVA, S.I., prof.

Materials on the ecological analysis of insect fauna in artificial plantations of the Veliko-Anadol' fores. Uch.zap. KHGU 33:33-45 '50. (MIRA 11:11)

1. Kafedra entomologii Khar'kovskogo gosudarstvennogo universiteta im. A.M. Gor'kogo (zaveduyushchiy kafedroy - prof. S.I. Medvedev).
(Veliko-Anadol' region--Forest insects)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

Leningrad. Universitet

Materialy po mashinnomu perevodu; sbornik 1 (Materials on Machine Translation; Collection of Articles Nr 1) Leningrad, Izd-vo Leningr univ., 1958. 228 p. 1,000 copies printed.

No contributors mentioned.

PURPOSE: The book is for students, scientists, and engineers interested in machine translation.

COVERAGE: This collection of 15 articles is published as volume I of the Materials on Machine Translation. It represents the work of 25 Soviet scientists at the Leningrad University Experimental Laboratory for Machine Translation which was created in March 1958 to continue research on translating with the aid of electronic machines. Although the present volume deals with both the theoretical and the practical aspect of machine translating, the emphasis is on the compilation of algorithms for a number of languages, many of them Asiatic. There are no references.

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AVAILABLE: Library of Congress

Card 4/4

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APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

RODIMOV, B.N.; MEDVEDEVA, T.A.

Fixed field alternating gradient betatron. Izv. vys. ucheb. zav.; fiz. no.4:147-157 '59. (MIRA 13:3)

1.Tomskiy politekhnicheskiy institut imeni S.M. Kirova.
(Betatron)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

S/139/59/000/05/002/026
E032/E114

AUTHORS: Rodimov, B.N., Cherlantsev, P.A., and Medvedeva, T.A.

TITLE: On the Production of Large Currents in a Betatron

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Fizika, 1959, Nr 5, pp 6-13 (USSR)

ABSTRACT: From the theoretical point of view, the problem may be reduced to the solution of the following two problems: a) the choice of the best focussing field which, in the ideal case, could support the necessary number of electrons; b) the choice of a mechanism for capturing the electrons into the acceleration process which would be such that the current obtained in the chosen field would be sufficiently close to that required. In a previous paper (Ref 2) it was shown that the equilibrium charge which can be supported by the focussing magnetic field is given by Eq (1), where S is the cross-section of the region of maximum equilibrium charge (Fig 1), E_i is the injection energy in ergs, R_o is the radius of the equilibrium circle in cm, Q is the total charge in ESU, e is the electronic charge in ESU, and E_o is the rest mass of an electron. Having chosen the injection energy, R_o and S are chosen according to

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

S/139/59/000/05/002/026
E032/E114

On the Production of Large Currents in a Betatron

the required value of Q. The choice of R_0 and S then reduces to the choice of the required field configuration. If R_0 and n_0 are chosen so as to satisfy the requirements given in Ref 1, the potential function V_{M0} is given by Eqs (2) and (3). With this value of V_{M0} the Z component of the magnetic field in the plane $Z = 0$ is given by Eq (4) and the field exponent n by Eq (5). V_{M0} is the non-relativistic potential function. The relative potential function V_p can be obtained from V_{M0} with the aid of Eq (6) and the relation between H_z and V_p is then given by Eq (7). Having determined the equipotential lines, the quantities S and Q are then determined from Eq (1). If Q differs too much from the required value the calculation is repeated with different R_0 and n_0. The profile of the poles giving the field defined by Eq (3) is described by Eq (8) which is obtained from the relation given by Eq (9), where r_0 and z_0 are the coordinates of the point through which the pole line is to be drawn. The capture mechanism

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

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E032/E114

On the Production of Large Currents in a Betatron

ensuring the best use of the focussing field may be the non-oscillatory mechanism described in Ref 3. The present paper develops the theory of this mechanism and describes its finer points. There are 5 figures and 3 Soviet references.

ASSOCIATION: Tomskiy politekhnicheskiy institut imeni S.M. Kirova (Tomsk Polytechnical Institute imeni S.M. Kirov)

SUBMITTED: December 27, 1958

Card 3/3

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

MEDVEDEVA, T.A.

In the I. P. Bardin Central Scientific Research Institute of Ferrous Metallurgy. Stal' 21 no.8:703,746,757 Ag '61. (MIRA 14:9)
(Steel—Metallurgy) (Flotation)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

MEDVEDEVA, T.I.

Elena Semenovna Osadchaia. Med. sestra 20 no.7:51 Jl '61. (MIRA 14:10)

1. Glavnyy vrach stantsii skoroy pomoshchi, Voroshilovsk.
(OSADCHAIA, ELENA SEMENOVNA, 1891-)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

L 46991-66 EWP(j)/EWT(m)/T/EWP(t)/ETI IJP(c) RM/JD/WB

ACC NR: AP6022870 (N) SOURCE CODE: UR/0303/66/000/002/0044/0046

AUTHOR: Oslopovskiy, B. A.; Pugachev, Yu. B.; Medvedeva, T. I.

ORG: none

39
B

TITLE: Testing of paint-and-varnish coatings for protection of equipment from corrosion

SOURCE: Lakokrasochnyye materialy i ikh primeneniye, no. 2, 1966, 44-46

TOPIC TAGS: paint, varnish, protective coating, sea water corrosion

ABSTRACT: The feasibility of using paint-and-varnish protective coatings in units where water is boiled at reduced pressure at 45-50°C was studied by testing a series of paint-and-varnish coating systems in a vacuum boiler containing sea water. At the pressure in the evaporator (40 mm Hg), sea water boiled at 45°C. A large number of paint-and-varnish materials were tested by being deposited on St. 3 steel specimens which were placed in sea water in the evaporator, and kept there for 2700 hr (some of them for 300 hr in boiling water). The highest resistance was exhibited by coatings based on "liquid" Nairit, hot- and cold-cured epoxy coatings deposited on a zinc epoxy protective primer, and also coatings consisting of a mixture of epoxy resins and Kuzbass varnish or coal pitch. Orig. art. has: 2 figures and 2 tables.

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 011

Card 1/1 UDC: 667.657.27

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

TROSHIN, N. N.; MEDVEDEVA, T. M.

Fruit Culture

Accelerated growing of fruit tree seedlings, Sad i og. No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953, Unclassified.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

ESTRIN, R.Ya., inzh.; KHACHATUROVA, N.S., inzh.; MEDVEDEVA, T.M., inzh.

Safety problems in collecting and storing oil and gas. Bezop. truda v prom. 6 no.12:8-10 D '62. (MIRA 15:12)
(Petroleum--Storage) (Gas--Storage)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

POSTOLOV, M.P.; ASHRAPOVA, M.A.; KARITSKAYA, G.K.; MEDVEDEVA, T.S., red.; AGZAMOV, K., tekhn. red.

[X-ray study in portal hypertension]Rentgenologicheskoe issledovanie pri portal'noi gipertonii. Tashkent, Medgiz UzSSR, 1962. 57 p. (MIRA 15:9)
(PORTAL HYPERTENSION) (DIAGNOSIS, RADIOSCOPIC)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

S/079/60/030/05/63/074
B005/B126

5.3700

AUTHORS: Sumarokova, T. N., Medvedeva, T. V., Litvyak, I. G.

TITLE: Complex Compounds of Tin. V

PERIODICAL: Zhurnal obshchey khimii, 1960, Vol. 30, No. 5, pp. 1698-1705

TEXT: The authors carried out cryoscopic examinations of the eight systems from $SnCl_4 \cdot 2CH_3COOH$ and $SnCl_4 \cdot 2C_6H_5COOH$ on the one hand, and C_6H_5COOH, CH_3COOH, $CH_2ClCOOH$, and C_6H_5OH on the other, as well as the system $SnCl_4 \cdot 2C_6H_5COOH$ - CCl_3COOH dissolved in pyridine, piperidine, or aniline. Nine diagrams show the results, that is the relations between melting point depression and composition, and between molecular weight and composition of the system. The results confirm the earlier statement (Refs. 1-5) that complex compounds of the type $SnCl_4 \cdot 2RCOOH.B$ ($R = C_6H_5$ or CH_3; B - molecule of the organic oxonium base) form in the systems examined. The three systems $SnCl_4 \cdot 2CH_3COOH$ - pyridine, piperidine, aniline were also examined by cryo-

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scopic titration. Three diagrams show the resulting titration curves. It became clear that complex compounds of the type $SnCl_4 \cdot 2CH_3COOH \cdot B$ are formed likewise in these three systems. In the case of piperidine the compound $SnCl_4 \cdot 2CH_3COOH \cdot 2B$ was also formed. On the thermal decomposition of these compounds the acetic acid is displaced from the inner sphere of the complex, and compounds of the type $SnCl_4 \cdot 2B$ are formed. A diagram shows the special apparatus for carrying out the potentiometric titrations, in which the cryoscopic titrations were undertaken. M. I. Usanovich and Ye. I. Kalabanovskaya (Ref. 6) are mentioned. There are 13 figures and 8 Soviet references.

ASSOCIATION: Institut khimii Akademii nauk Kazakhskoy SSR (Institute of Chemistry of the Academy of Sciences of the Kazakhskaya SSR)

SUBMITTED: March 12, 1959

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

SUMAROKOVA, T.N.; MEDVEDEVA, T.V.; LITVYAK, I.B. (Alma-Ata)

Cryoscopic study of complex-forming reactions. Zhur. fiz. khim. 34 no.12:2727-2735 D '60. (MIRA 14:1)

1. Akademiya nauk KazSSR, Institut khimii.
(Complex compounds)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

MEDVEDEVA, T.V., red.; REZVANOV, I.P., tekhn. red.

[Economy of Rostov Province; statistical collection] Narodnoe khoziaistvo Rostovskoi oblasti; statisticheskii sbornik. Rostov-na-Dony, 1961. 237 p. (MIRA 14:5)

1. Rostov-On-Don (Province). Statisticheskoye upravleniye. (Rostov Province--Statistics)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

MEDVEDEVA, T.V.

Enamel. Standartizatsiia 27 no.4:45 Ap '63. (MIRA 16:4)
(Enamel and enameling)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

BAVYKIN, N.A., red.; KULOVOY, L.A., red., MEDVEDEVA, T.V., red.

[National economy of Rostov Province; a statistical abstract] Narodnoe khozyaistvo Rostovskoi oblasti; statisticheskii sbornik. Rostov-na-Donu, Izd-vo "Statistika," [illegible] 270 p. (MIRA [illegible])

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

MEDVEDEVA, T. Ya.

Medvedeva, T. Ya. - "On the problem of lymphogranulomatosis of the intestines," Trudy Krymsk. med. in-ta im. Stalina, Vol. XII, 1948, p. 177-80

SO: U-3950, 16 June 53, (Letopis, 'Zhurnal 'nykh Statey, No. 5, 1949).

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

MEDVEDEV, Yu.A., kand.med.nauk; MEDVEDEVA, T.Ye.

Congenital fibroelastosis of the heart. Kaz. med. zhur. no.6:52-54 N-D '61. (MIRA 15:2)

1. Kafedra patologicheskoy anatomii (zav. - dotsent A.V.Sosunov); kafedra akusherstva i ginekologii (zav. - prof. S.G.Yur'yevskiy) Chitinskogo meditsinskogo instituta i Chitinskiy gorodskoy rodil'nyy dom (glavnyy vrach - L.Ye. Dubovaya).
(HEART--DISEASES)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

MEDVEDNIKOV, V.A.

Ways of mechanizing and automatizing industrial processes. Tekst. prom. 19 no.4:66-69 Ap '59. (MIRA 12:6)

1. Glavnyy spetsialist Gosudarstvennoy nauchno-tekhnicheskoy komissii Soveta Ministrov RSFSR.
(Textile industry—Equipment and supplies)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

S/202/63/000/001/003/006
E075/E136

AUTHORS: Sergiyenko, S.R., Garbalinskiy, V.A., Medvedeva, V.D., and Petrova, A.A.

TITLE: Selective dehydrogenation of paraffinic hydrocarbons on zinc chromate

PERIODICAL: Akademiya nauk Turkmenskoy SSR. Izvestiya. Seriya fiziko-tekhnicheskikh, khimicheskikh i geologicheskikh nauk. no.1, 1963, 30-37

TEXT: In an attempt to produce olefins from hydrocarbons having more than 2-5 carbon atoms, n-heptane and n-hexadecane were dehydrogenated on $ZnCrO_4$ supported on ZnO. ZnO was used as a support, since it was previously reported by S.R. Sergiyenko that it promotes the dehydrogenation of ethylbenzene to styrene and minimizes cracking reactions. The catalyst was prepared by adding $(NH_4)_2CrO_4$ to ZnO suspended in the solution of 203 g $ZnCl_2$ in 2 litres H_2O. For n-heptane the dehydrogenation proceeds most satisfactorily at 500 °C and the space velocity of 1.5 h^{-1}. The liquid product contains 10% olefins and no aromatic hydrocarbons.

Card 1/2

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

Selective dehydrogenation of ... S/202/63/000/001/003/006
E075/E136

About one quarter of the olefins is constituted by 1-heptene. The remainder contains 2-heptene and 3-heptene, their cis and trans forms being in equal quantities. n-hexadecane was dehydrogenated under the same conditions as n-heptane and gave 2.5 times as much olefins. Cracking in this case amounted to 3 - 8% and the liquid product contained 25 - 27% olefins, two thirds of which were C_{16} olefins.

There are 5 figures and 4 tables.

ASSOCIATION: Institut khimii (Chemical Institute)
Fiziko-tekhnicheskiy institut AN Turkmenskoy SSR
(Physicotechnical Institute, AS Turkmen. SSR)

SUBMITTED: November 12, 1962

Card 2/2

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

SERGIYENKO, S.R.; MEDVEDEVA, V.D.; GARBALINSKIY, V.A.

Selective action of catalysts in the dehydrogenation of paraffin hydrocarbons. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim i geol. nauk no.3:25-30 '64 (MIRA 18:1)

1. Institut khimii AN Turkmenskoy SSR.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

SERGIYENKO, S.R.; [illegible], V.D.; [illegible], [illegible]; [illegible], [illegible].

Effect of the length of n.paraffin chains on the selectivity of dehydrogenation on a zinc-chromium catalyst. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no.5:[illegible] [illegible].

[illegible]

1. Institut khimii AN Turkmenskoy SSR.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

COUNTRY : USSR M-4
CATEGORY :

REF. JOUR. : RZBiol., No. 19, 1958, No. 86979

AUTHOR : Medvedeva, V. G.
[illegible] :
TITLE : Irrigated Winter Wheat Following Other Crops in the Transvolga Region

ORIG. PUB. : S. kh. Povolzh'ya, 1957, No 6, 40-42

ABSTRACT : Tests at the Yershovskiy experiment station [illegible] have shown the suitability of planting [illegible] following summer wheat or corn. Best tillage [illegible] winter wheat is plowing to a depth of [illegible] disking twice to a depth of 8-10 cm (after summer wheat). After corn a surface cultivation of the soil is recommended. -- I. N. Zaikina.

CARD: 1/1

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

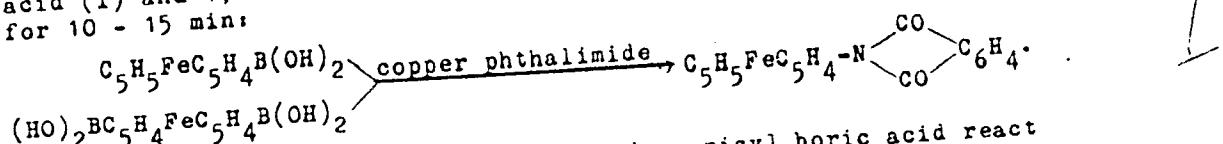
S/062/62/000/011/014/021
B101/B144

AUTHORS: Nesmeyanov, A. N., Sazonova, V. A., Gerasimenko, A. V., and Medvedeva, V. G.

TITLE: Reactions of ferrocenyl boric acids with copper phthalimide

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye khimicheskikh nauk, no. 11, 1962, 2073 - 2074

TEXT: The following reactions were carried out with ferrocenyl boric acid (I) and 1,1'-diferrocenylene diboric acid (II) in boiling pyridine for 10 - 15 min:



Styryl boric acid, phenyl boric acid, and p-anisyl boric acid react similarly with copper phthalimide. Compounds obtained: N-ferrocenyl phthalimide, yield from I: 47 %, from II: 29 %, m.p. 156 - 156.5°C; N-styryl phthalimide, yield 56 %; N-phenyl phthalimide, yield 19 %; and

Card 1/2

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

Reactions of ferrocenyl boric... S/062/62/000/011/014/021
B101/B144

N-p-methoxy phenyl phthalimide, yield 34 %.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University imeni M. V. Lomonosov)

SUBMITTED: June 4, 1962

Card 2/2

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

1. LOMAKINA, M. I., MEDVEDEVA, V. I.

2. USSR (600)

4. Moths

7. Fall webworm (Hyphantia cunea).
Sad i og. No.10, 1952

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

MEDVEDEVA, V.I.

Systematic distinctive features of certain species of weevils. Zashch. rast. ot vred. i bol. 5 no.1:37-38 Ja '60. (MIRA 14:6)

(Weevils)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

MEDVEDEVA, V.I.

Manganese content in the blood of a newborn infant in the venous and retroplacental blood of the mother and in the mother's milk. Dokl. AN BSSR 9 no.8:563-564 Ag '65. (MIRA 18:10)

1. Minskiy gosudarstvennyy meditsinskiy institut.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

5.3610

77075
SOV/62-59-12-19/43

AUTHORS: Zav'yalov, S. I., Medvedeva, V. M.

TITLE: Chemistry of Dihydroresorcinol. Communication 2. Nitrosation of Dihydroresorcinol and Its Derivatives

PERIODICAL: Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk, 1959, Nr 12, pp 2165-2170 (USSR)

ABSTRACT: UV spectra of nitrosation products of dimedon, dihydroresorcinol and acetylacetone in neutral, acid and alkaline alcoholic solutions, as well as UV spectra of trioximes (VIII and IX), methyl ester of dimethylviolanic acid (XI) and its dioxime (XII) were studied.

Card 1/5

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

Chemistry of Dihydroresorcinol. Communication 2. Nitrosation of Dihydroresorcinol and Its Derivatives

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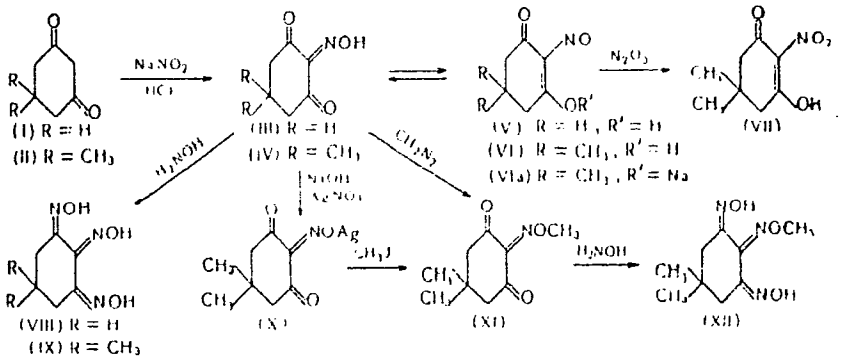
SOV/62-59-12-19/43



It was shown that nitrosation products of dihydroresorcinol, dimedon, and acetylacetone exist in the oxime form (III, IV, XV), but that the sodium derivative of latter has an ionic nitroso (XVI) structure.

Card 2/5

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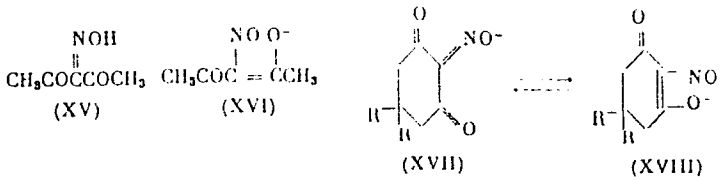
"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

Chemistry of Dihydroresorcinol. Communication 2. Nitrosation of Dihydroresorcinol and Its Derivatives

77075
SOV/62-59-12-19/43



2'-Alkyl-2-nitrosodihydroresorcinols (XXI, in 31% yield, mp 161-162° and XXII in 69% yield, mp 147-148 dec.) are obtained by nitrosation of 2-alkyl derivatives of dihydroresorcinol (XIX and XX). Dilute alkali converts (XXI) and (XXII) into ε-alkyl-ε-hydroxyimino-δ-ketocapronic acid (XXIV) in 30% yield, mp 108-109°.

Card 3/5

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

Chemistry of Dihydroresorcinol. Communication 2. Nitrosation of Dihydroresorcinol and Its Derivatives

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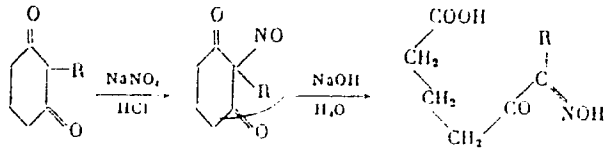
SOV/62-59-12-19/43



(XIX) R = CH_3 (XXI) R = CH_3

(XX) R = C_2H_5 (XXII) R = C_2H_5 (XXIII) R = CH_3

(XXV) R = CH_3CO (XXIV) R = C_2H_5

Yu. P. Egorov took part in this work. There are 3 figures; and 14 references, 3 Soviet, 3 U.S., 2 U.K., 5 German, 1 Japanese. The 5 U.S. and U.K. references are: S. Takaki, Y. Nagase, J. Pharm. Soc. Japan. 58, 430 (1938) - Chem. Abstrs. 32, 6633 (1938); P. Haas, J. Chem. Soc. 91, 1437 (1907); E. C. C. Baly, E. G. Marsden, A. W. Stewart, J. Chem. Soc. 89, 970 (1906); V. Richter, Organic chemistry, v. I, 1944, стр. 406; W. R. Dunstan, E. Goulding, J. Chem. Soc. 79, 630 (1901).

Card 4/5

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

Chemistry of Dihydroresorcinol. Communication 2. Nitrosation of Dihydroresorcinol and Its Derivatives

77075
SOV/62-59-12-19/43

ASSOCIATION: Zelinskiy Institute of Organic Chemistry, Academy of Sciences, USSR (Institut organicheskoy khimii imeni N. D. Zelinskogo Akademii nauk SSSR)

SUBMITTED: March 31, 1958

Card 5/5

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

5(3)

AUTHORS: Smit, V. A., Semenovskiy, A. V., Medvedeva, V. M., Kucherov, V. F.

SOV/20-124-5-33/62

TITLE: On the Cyclization Character of the Pseudo-ionon (O kharaktere tsiklizatsii psevdoionona). A New Method of Producing the α-Ionon (Novyy metod polucheniya α-ionona)

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 124, Nr 5, pp 1080-1082 (USSR)

ABSTRACT: As has been proved in numerous publications (Refs 1-8), the pseudo-ionon is converted to a mixture of α- and β-ionon under the action of various acids. The ratio between the resulting α- and β-isomers depends on the nature of the cyclizing agent. For β-ionon concentrated sulphuric acid in ether or in acetic acid is the specific cyclizing agent whereas this role is played for α-ionon by 60 % sulphuric or phosphoric acid, preferably by boron trifluoride. The statements made in publications seem to indicate that the α-isomer forms the original reaction product almost in all cases independently of the nature of the agent (Refs 9-13) and can be converted to the stabler conjugated system of the β-isomer under the action of acid agents. Thus, the specific activity of various cyclizing agent is restricted

Card 1/3

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

On the Cyclization Character of the Pseudo-ionon. A New Method of Producing the α-Ionon SOV/20-124-5-33/62

to their greater of smaller ability of isomerizing the initially formed α-isomer. In order to give experimental proof of this assumption the authors have studied the cyclization of the pseudo-ionon by 100 % H_2SO_4 between +60° and -60°. Nitromethane or nitropropane were used as solvents. The destillate obtained in a vacuum was analyzed with the aid of its ultraviolet spectrum (obtained with the assistance of T. M. Fadeyeva)(Table 2). It is apparent from the results (Table 1) that the ratio between the α and β-ionons formed is entirely determined by the cyclization conditions, namely the residence time, temperature, and the amount of H_2SO_4. This shows clearly that the primary process in the cyclization of the pseudo-ionon is the formation of the α-ionon. Depending on the conditions of the reaction this is more of less converted by isomerization to form the β-ionon. Thus, the reactions whereby these isomers are formed are sequential rather than parallel reactions The specific character of the cyclizing agent is restricted to the degree of its isomerizing activity. The method described in the article makes possible a convenient preparation of both ionons and may prove

Card 2/3

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

On the Cyclization Character of the Pseudo-ionon. SOV/20-124-5-33/62
A New Method of Producing the α-Ionon

valuable in the production of α-ionon. There are 2 tables and 15 references, 1 of which is Soviet.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR (Institute of Organic Chemistry imeni N. D. Zelinskiy of the Academy of Sciences, USSR)

PRESENTED: October 30, 1958, by B. A. Kazanskiy, Academician

SUBMITTED: October 24, 1958

Card 3/3

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

MAKIN, S.M.; KRUPTSOV, B.K.; MEDVEDEVA, V.M.; SMIRNOVA, L.N.

Chemistry of unsaturated ethers. Part 13: Reaction of acetalization of 1,1,3-trialkoxyalkanes and the synthesis of 1-alkoxy-1,3-dienes with heavy alkoxy groups. Ultraviolet spectra and Raman spectra of 1-alkoxy-1,3-dienes. Zhur.ob.khim. 32 no.8:2527-2535 Ag '62. (MIRA 15:9)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni M.V. Lomonosova.

(Butadiene—Spectra) (Alkoxy groups)

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L 53729-65 EWP(e)/EWT(m)/EPF(c)/EWP(i)/EWP(v)/EPR/T/EWP(t)/EWP(b) Pr-4/Ps-4
IJP(c) JD/WW/WH

ACCESSION NR: AP5009371 UR/0363/65/001/002/0211/0217
546.621'185:543.422.4

34
B

AUTHOR: Medvedeva, V. M.; Medvedev, A. A.; Tananayev, I. V.

TITLE: Infrared and x-ray diffraction study of thermal conversions in aluminophosphate binder

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 1, no. 2, 1965, 211-217

TOPIC TAGS: aluminum phosphate, ir absorption spectrum, thermal energy conversion

ABSTRACT: The purpose of this study was to investigate the physicochemical processes which take place in aluminophosphate binder when it is heated to high temperatures and to determine the structure of the phases which occur in this material. The investigation was carried out by infrared spectroscopy and x-ray diffraction. The infrared spectra were taken on an IKS-14 spectrophotometer with lithium fluoride, sodium chloride and potassium bromide prisms. The materials were studied as suspensions in vaseline. Spectra of $Al_4(P_2O_7)_3$ and $Al(H_2PO_4)_3$

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ACCESSION NR: AP5009371

were taken to determine the composition of the thermally processed aluminophosphate binder specimens. The aluminophosphate binder composition was $Al_2O_3/P_2O_5 = 1/2.3$. The analysis showed that the binder consists originally of three compounds: $Al(H_2PO_4)$, $Al_2(HPO_4)_3$ and $AlH_3(PO_4)_2 \cdot 3H_2O$. During heating to 270°C $Al(H_2PO_4)_3$ and $AlH_3(PO_4)_2 \cdot 3H_2O$ are converted into aluminum polyphosphate and at 1000°C into aluminum tetrametaphosphate. At 1300°C aluminum tetrametaphosphate decomposes into $AlPO_4$ and P_2O_5. The disubstituted aluminum orthophosphate is converted into aluminum pyrophosphate at 400°C and 1000°C it is completely decomposed into $AlPO_4 \cdot P_2O_5$. In the 1300-1800°C range the binder is primarily $AlPO_4$ with a small amount of corundum detected in the specimen heated to 1800°C. Orig. art. has: 4 figures and 2 tables.

ASSOCIATION: none ENCL: 00 SUB CODE: OP, TD

NO REF SOV: 008 OTHER: 015

Card 2/2

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

SOV/112-58-1-45

Translation from: Referativnyy zhurnal, Elektrotekhnika, 1958, Nr 1, p 4 (USSR)

AUTHOR: Medvedeva, V. S.

TITLE: Control of Static Electricity in Chemical Industry (Mery bor'by s obrazovaniyem staticheskogo elektrichestva v khimicheskoy promyshlennosti)

PERIODICAL: Sb. tr. kafedry tekhniki bezopasnosti, 1953-1955. Mosk. in-t khim. mashinostr., Moscow, 1956, pp 130-158

ABSTRACT: Bibliographic entry.

AVAILABLE: Library of Congress

1. Electrostatic generation--Control

Card 1/1

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

21(2) SOV/2-58-1-[illegible]

Vsesoyuznaya [illegible] po [illegible] diektivnym i [illegible] i [illegible] v [illegible] ayatve i [illegible] Moskva. [illegible]

Trudy... [illegible] (Transactions of the All-Union [illegible] and Radioisotopes in the National Economy and in Science and Instrument Manufacturing) Moscow, Izd-vo AN SSSR, 1958. 558 p. 4,500 copies printed.

Sponsoring Agencies: USSR. Glavnoye upravleniye po ispol'zovaniyu atomnoy energii, and Akademiya nauk SSSR.

Editorial Board of Set: V.I. Dikushin, Academician (Resp. Ed.), N.N. Shumilovskiy (Deputy Resp. Ed.), Yu. S. Zaslavskiy (Deputy Resp. Ed.), L.K. Tatochenko, B.I. Verkhovskiy, S.T. Nazarov, L.I. Petrenko, and N.G. Zelevinskaya (Secretary).

Ed. of Publishing House: P.N. Belyanin; Tech. Ed.: T.P. Polenova.

PURPOSE: This book is intended for specialists in the field of machine and instrument manufacture who use radioactive isotopes in the study of materials and processes.

COVERAGE: This collection of papers covers a very wide field of the utilization of tracer methods in industrial research and control techniques. The topic of this volume is the use of radioisotopes in the machine-and instrument-manufacturing industry. The individual papers discuss the applications of radioisotope techniques in the study of metals and alloys, problems of friction and lubrication, metal cutting, engine performance, and defects in metals. Several papers are devoted to the use of radioisotopes in the automation of industrial processes, recording and measuring devices, quality control, flowmeters, level gauges, safety devices, radiation counters, etc. These papers represent contributions of various Soviet institutes and laboratories. They were published as Transactions of the All-Union Conference on the Use of Radioactive and Stable Isotopes and Radiation in the National Economy and Science, April 4-12, 1957. No personalities are mentioned. References are given at the end of most of the papers.

Vedernikov, A.N. (Kazanskiy aviatsionnyy institut – Kazan' Aviation Institute). Certain Problems in the Preparation of Beta Emitters for the Elimination of Electrostatic Charges 292

Medvedeva, V.S. and I.S. Royzen (Moskovskiy institut khimicheskogo mashinostroyeniya – Moscow Institute for Chemical Machinery). Use of Radioactive Isotopes in Safety Practice 293

Royzen, I.S. (Moskovskiy institut khimicheskogo mashinostroyeniya – Moscow Institute for Chemical Machinery). Production of Plates for Charge Neutralization 298

Abramova, T.V. (Ministerstvo svyazi SSSR – USSR Ministry of Communications). Determination of Leaks in the Lead Sheath of Communication Cables 299

Kuznetsov, V.I. (Institut khimicheskoy fiziki Akademii nauk SSSR – Institute of Physical Chemistry, Academy of Sciences, USSR). Determination of Points of Gas Leakage From Underground Pipelines 301

Tatochenko, L.K. (Institut metallovedeniya i fiziki metallov TsNIIChM – Institute of Metallography and the Physics of Metals TsNIIChM). Ionization Method of Gamma Defectoscopy 304

Fakidov, I.G., A.A. Samokhvalov, N.I. Davidenko, and N.D. Avramenko (Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii – Central Scientific Research Institute of Ferrous Metallurgy). Use of Scintillation Counters in Betatron Defectoscopy 310

Arkhangel'skiy, A.A., and G.D. Datyashev (Leningradskiy institut inzhenerov zheleznodorozhnogo transporta – Leningrad Railroad Engineers Institute). Use of Scintillation Counters in the Product Quality Control 314

Tatochenko, L.K., V.S. Tokmakov, and V.K. Latyshev (Institut metallovedeniya i fiziki metallov TsNIIChM – Institute of Metallography and the Physics of Metals TsNIIChM). Radioscopic Control of Welded Seams in Ferrous Metallurgy 320

Nazarov, S.T. (Moskovskoye vysshaye tekhnicheskoye uchilishche imeni N.E.Baumana – Moscow Higher Technical School imeni N.E. Bauman). Radiography of Welded Pipe Joints 324

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

MEDVEDEVA, V.S

94-4-17/25

AUTHOR: Kireyev, M.I., Engineer

TITLE: Scientific-technical Conference on Problems of Static Electricity (Nauchno-tekhnicheskoye soveshchaniye po bor'be so staticheskim elektrichestvom)

PERIODICAL: Promyshlennaya Energetika, 1958, Vol.13, no.4, pp. 32 - 33 (USSR).

ABSTRACT: The Central Management of the All-Union Chemical Society imeni D.I. Mendeleyev (Vsesoyuznoye khimicheskoye obshchestvo imeni D.I. Mendeleyeva), together with the Ministry of the Chemical Industry of the USSR (Ministerstvo khimicheskoy promyshlennosti SSSR), called a scientific-technical conference on problems of static electricity. The conference met in Moscow on December 16 - 18, 1957 and six reports were read.
Prof. I.S. Royzen gave a mainly theoretical report on static electricity and methods of dealing with it.
Candidate of Technical Sciences V.S. Medvedeva dealt with the ionisation of air by means of radio-active substances.
Engineer A.V. Belotsvetov described the construction of radio-active ionisers.
Senior Scientific Assistant Borisov indicated present practice in lightning protection. A proposed standard for protection against static electricity and secondary effects of lightning

Card1/2

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

94-4-17/25

Scientific-technical Conference on Problems of Static Electricity

was described by B.L. Kaner.
The conference showed that methods of dealing with static electricity have not yet been sufficiently studied. The addition of conductive substances to insulating materials can reduce their potential. Radio-active substances can be helpful when other methods fail.
The conference decided to ask the appropriate authorities to establish the static electricity characteristics of a number of substances and to determine the humidity required in the atmosphere to avoid danger from static. The Scientific Research Institute of the rubber industry should develop conductive rubbers. The use of radio-active substances for volume ionisation needs investigation and thermal ionisers should be studied and manufactured.

AVAILABLE: Library of Congress
Card 2/2

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S/064/60/000/004/015/021/XX
B013/B063

AUTHORS: Medvedeva, V. S., Rozlovskiy, A. I., Royzen, I. S.

TITLE: Explosiveness of Combustible Mixtures Formed During the Synthesis of Xanthates

PERIODICAL: Khimicheskaya promyshlennost', 1960, No. 4, pp. 66-68

TEXT: The authors have studied the limits of applied ignition for air - gas mixtures formed during the synthesis of xanthates. The purpose of the present work was to determine the limits of the permissible explosion-proof dilution of these products with air, and to obtain data on the ignition temperature of liquid reaction products. The limits of applied ignition were determined by means of the device shown in Fig. 1. The mixtures to be tested were ignited in a spherical steel bulb (Fig. 1,1) with a capacity of 6.2 l at a pressure of 1 atm. Ignition took place in the middle of the bulb with the help of an aircraft spark-plug (2) which was screwed into the bulb. The process was visually observed through a slot covered with a plexiglass or glass plate. The bulb could be

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externally heated up to 100°C. It was heated to the temperature required for the tests, after which it was evacuated through valve (5) and purified with air through valve (6). The fuel-water mixture was likewise introduced through (6). Three series of tests were made with fuel mixtures of different compositions. The concentration of carbon disulfide (β) in the test mixtures was varied between 0.5 and 3% by weight. In addition, the mixture contained 62% ethyl alcohol in the first series, 75% n-butyl alcohol in the second, and 75% n-butyl alcohol and 8% benzene in the third. The rest consisted of water. The tests have shown that the minimum explosion-proof concentration of the gaseous components varies from 18 to 33%. The critical concentration of the fuel is hardly affected by carbon disulfide, and in some cases it is even reduced. Thus, it has been found that the gaseous products formed during the synthesis of xanthates permit a dilution with 2-2.5 times the amount of air, allowance being made for a safety margin. A similar behavior of carbon disulfide was observed in other cases. A comparison of the critical compositions indicates that the content of inert components in all mixtures changes only slightly at the limit of applied ignition, i.e., from 64.6 to 67.9%. The coefficients of

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the oxidant excess α_{cr} are therefore comparable. The effect produced by addition of carbon disulfide upon the combustibility of the mixture can be determined from the dependence of α_{cr} on β. It is noted that an increase of β has no appreciable effect on the value of α_{cr}. The ignition temperature of liquid products was determined by means of a device developed by Martens-Penskiy. The results obtained show that the ignition temperature is largely reduced by an increase of the carbon-disulfide content in the text mixture. There are 7 figures and 6 references: 5 Soviet and 1 US.

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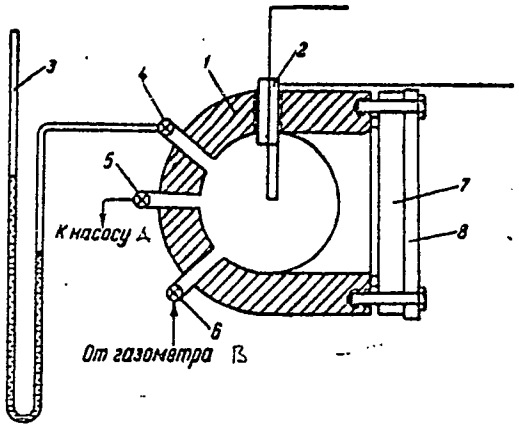

Legend to Fig. 1: 1 - wall; 2 - aircraft spark-plug; 3 - pressure gauge; 4, 5, 6 - valves; 7 - plexiglass or glass plate; 8 - flange; A - to pump; B - from gasometer.

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MEDVEDEVA, V.S.; ROZLOVSKIY, A.I.; ROYZEN, I.S.

Investigating the explosion hazard of combustible misture formed in the synthesis of xanthogenates. Khim.prom. no.4:330-332 Je '60. (MIRA 13:8)
(Xanthates) (Explosions)

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

POPOV, B.G., kand.tekhn.nauk; MEDVEDEVA, V.S.; VEREVKIN, V.N.

Problems of the formation of charges of static electricity in technological processes. Zhur.VKHO 9 no. 3:253-258 '64. (MIRA 17:9)

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

ROYZEN, I.S.; POZAMANTIR, A.G.; MEDVEDEVA, V.S.; BYTENSKIY, V.Ya.; STEPANOVA, N.A.; SAPOZHKOVA, R.A.

Investigating the danger of the explosion of acetylating mixtures. Bezop. truda v prom. 8 no.10:45-47 O '64. (MIRA 17:11)

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

USSR / Cultivated Plants. Fodder Crops. M-5

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 58628

Author : Medvedeva, V. T.
Inst : Poltava Scientific-Research Institute of Fodder Crops
Title : The Yield of Nutritious Substances of Corn in Various Stages of Development

Orig Pub : Kukuruza, 1957, No 8, 59-63

Abstract : The accumulation of nutritious substances in six corn varieties of varying earliness was studied in experiments conducted by the scientific-research institute of fodder crops in the Poltava oblast in 1955 - 1956. The greatest yield of green mass was noticed during the stage of milky-wax ripeness; the best yield of absolutely dry substance was obtained in the stage of wax ripeness. The yield of dry substance diminishes during the stage of the full ripeness. The accumulation of dry substance,

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

USSR / Cultivated Plants. Fodder Crops. M-5

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 58628

starting with the phase of milky-wax ripeness, takes place through the formation of grain. 7 - 14 days after reaching full ripeness, a decrease of absolutely dry substance is observed in the grain because of the energetic process of respiration, which takes place in it. The maximum content of albumin, ashes and cellular tissue is observed during the early phases of development of the grain. The maximum yield of all nutritious substances in corn is observed during the stage of wax ripeness. Substantial losses of dry substance (6 - 10%), albumin hydrolysis by 40 - 42%, and an increase of ammonium content are observed when the ensilage is made during the phase of milky ripeness in comparison with the ensilage of corn made in the phase of wax ripeness. -- I. N. Zaikina

Card 2/2

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

MEDVEDEVA, V.T., Cand AgrSci — (diss) "Yield of nutritive substances and quality of corn silo depending on the period of its harvesting, season." Mos, 1959. 18 pp (All-Union Sci Res Inst of Fodders im V.R. Vil'yams). 150 copies (KT,37-59, 110)

61

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

KARMAKOVA, I.I.; MEDVEDEVA, V.V. [Medviedieva, V.V.]

Aerograph dyeing of artificial fur goods. Leh.prom. no.4:54-55 O-D '62. (MIRA 16:5)

1. Kiyevskaya shveynaya fabrika "Ukraina".
(Artificial fur) (Dyes and dyeing)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

MEDVEDEVA, Ye. A., kand. med. nauk; DAYNEKO, L. N., mlad. nauch. sotr; ZHUKOV, V. N., mlad. nauch. sotr.; BELYAVTSEVA, I. S., mlad. nauch. sotr.

Significance of the luminescence method in the diagnosis of some dermatoses. Vest. derm. i ven. no.6:17-20 '61. (MIRA 15:4)

1. Iz Ufimskogo kozhno-venerologicheskogo instituta (dir. - starshiy nauchnyy sotrudnik P. N. Shishkin; nauchnyy rukovoditel' - starshiy nauchnyy sotrudnik G. E. Shinskiy)

(SKIN—DISEASES) (LUMINESCENCE)

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

GABITOVA, R.G., mldashiy nauchnyy sotrudnik; MEDVEDEVA, Ye.A., kand. med.nauk

Candida lesions in treatment with corticosteroid hormones. Vest. derm.i ven. 35 no.5:40-43 '62. (MIRA 15:5)

1. Iz Ufimskogo kozhno-venerologicheskogo instituta (dir. P.N. Shishkin, nauchnyy rukovoditel' G.E. Shinskiy).
(ADRENOCORTICAL HORMONES) (MONILIASIS)

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

MEDVEDEVA, Ye.A., kand.med.nauk

Isolation of Microsporum gypseum from soils of the Bashkir A.S.S.R. Vest. derm. i ven. 38 no.7:50-54 Jl '64. (MIRA 18:4)

1. Kafedra kozhnykh bolezney (zav. - prof. G.S.Maksimov) Bashkirskogo meditsinskogo instituta, Ufa.

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

MEDVEDEVA, Ye.F. (Moskva)

Maximum permissible air temperature under conditions of high humidity, intensive air currents, and different temperatures of surrounding walls. Gig. truda i prof. zab. 4 no.2:45-47 F '60. (MIRA 15:3)

1. Institut gigiyeny truda i professional'nykh zabolevaniy AMN SSSR.

(TEMPERATURE--PHYSIOLOGICAL EFFECT)
(HUMIDITY--PHYSIOLOGICAL EFFECT)

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

MEDVEDEVA, Ye.F., kand.meditsinskikh nauk

Principles of hygiene to be considered in designing cabins for modern building cranes. Mekh.stroi. 17 no.4:27 Ap '60. (MIRA 13:6)

(Cranes, derricks, etc.) (Industrial hygiene)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

KHOVANSKIY, A. I.; MEDVEDEVA, Ye. A., kand. med. nauk; GERSHOV, Z. S., kand. med. nauk.

Organizing measures for eliminating favus in the Bashkir A.S.S.R. Vest. derm. i ven. no.2:62-64 '62. (MIRA 15:2)

1. Iz Ufimskogo nauchno-issledovatel'skogo kozhno-venerologicheskogo instituta (dir. P. N. Shishkin)

(BASHKIRIA—FAVUS)

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

MEDVEDEVA, Ye.A., kand. med. nauk

Microsporosis of the scalp caused by Microsporum equinum. Vest. derm. i ven. no.2:25-26 '64. (MIRA 17:11)

1. Kafedra kozhnykh i venericheskikh bolezney (zav. - prof. G.S. Maksimov) Bashkirskogo meditsinskogo instituta.

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

MAKSIMOVA, Yu.A., kand.tekhn.nauk; DUBROVSKAYA, M.P., inzh.; MEDVEDEVA, Ye.I., inzh.

New construction pattern for knitting fabrics made with synthetic fibers. Nauch.-issl.trudy VNIITP no.2:98-121 '60. (MIRA 16:2)

(Knitting, Machine)
(Textile fibers, Synthetic)

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

IVANOV, I.I., kand.tekhn.nauk; MEDVEDEVA, Ye.I., inzh.

High-frequency parameters of signal, control, and power cables. Avtom., telem. i sviaz' 7 no.1:5-6 Ja '63. (MIRA 16:2)
(Electric cables) (Coaxial cables)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

MEDVEDEVA, Ye.I.

Method for the extraction of gliadin. Izv.vys.ucheb.zav.pishch.tekh. no.4:163-165 '58. (MIRA 11:11)

1. Odesskiy tekhnologicheskiy institut imeni I.V. Stalina, Kafedra organicheskoy khimii.

(Gliadin)

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

MEDVEDEVA, Ye.I.

Amino acid content of gliadin. Izv.vys.ucheb.zav.; pishch.tekh. no.5:35-37 '59. (MIRA 13:4)

1. Odesskiy tekhnologicheskiy institut imeni I.V.Stalina, kafedra organicheskoy khimii.
(Gliadins)

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

MEDVEDEVA, Ye.I.

Simple laboratory installation for lyophile drying. Lab.delo 5 no.6:51-53 N-D '59. (MIRA 13:3)

1. Iz Odesskogo tekhnologicheskogo instituta imeni I.V. Stalina.
(BIOLOGICAL PRODUCTS--DRYING)

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

MEDVEDEVA, Ye.I.

Changes in certain physicochemical properties of gliadin due to thermal influences. Biokhimiia 24 no.6:970-973 N-D '59. (MIRA 13:5)

1. Tekhnological Institute, Odessa.
(PROTEINS chem.)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

MEDVEDEVA, Ye.I.

Some properties of gliadin under various thermal conditions. Ukr. biokhim.zhur. 31 no.6:807-814 '59. (MIRA 13:5)

1. Department of Organic Chemistry of the Odessa Technological Institute.

(GLIADINS)

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

MEDVEDEVA, Ye. I., Cand Chem Sci -- (diss) "Variation in the physico-chemical properties of gliadin under the influence of heat." Khar'kov, 1960. 16 pp; (Ministry of Higher and Secondary Specialist Education Ukrainian SSR, Khar'kov Order of Labor Red Banner State Univ im A. M. Gor'kiy); 150 copies; free; (KL, 30-60, 136)

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

MEDVEDEVA, Ye.I., nauchnyy sotrudnik

Comparative characteristics of prolamins of various crops using the electrophoretic method. Trudy VNIIZ no.38:175-181 '60. (MIRA 15:12)

1. Odesskiy tekhnologicheskiy institut imeni I.V.Stalina.
(Prolamins) (Paper electrophoresis)

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

DUDKIN, M.S.; MEDVEDEVA, Ye.I. [Medvedieva, IE.I.]

Growing feed yeast on reed hydrolysates. Mikrobiol. zhur. 23 no.5: 45-51 '61. (MIRA 14:12)

1. Odesskiy tekhnologicheskiy institut im. I.V.Stalina.
(YEAST AS FEED) (REED (BOTANY))
(BACTERIOLOGY—CULTURES AND CULTURE MEDIA)

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

MEDVEDEVA, Ye.I.

Mechanical denaturing of grain protein. Izv.vys.ucheb.zav.; pishch.tekh. 2:18-20 '62. (MIRA 15:5)

1. Odesskiy tekhnologicheskiy institut imeni Lomonosova, kafedra organicheskoy khimii.
(Grain--Analysis and chemistry) (Wheat milling)

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

DUDKIN, M.S.; LEVCHISHINA, R.V.; MEDVEDEVA, Ye.I.; GORYASHINA, G.I.

Chemical composition of Dniester and Danube reeds.
Ukr.khim.zhur. 28 no.8:996-999 '62. (MIRA 15:11)

1. Odesskiy tekhnologicheskiy institut.
(Dniester River—Reed (Botany))
(Danube River—Reed (Botany))
(Plants—Chemical analysis)

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

DUDKIN, M.S.; MELVEDEVA, Ye.I.; KATANSKAYA, I.S.

Homogeneity of xylans from the surface layers of grain. Zhur. prikl. khim. 38 no.1:221-222 Ja '65. (MIRA 18:3

1. Odesskiy tekhnologicheskiy institut imeni Lomonosova.

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

MEDVEDEVA, Ye.I.; DUDKIN, M.S.; KAZANSKAYA, I.S.

Amino acid composition of some types of vegetable raw material not used as food. Nauch. dokl. vys. shkoly; biol. nauki no.4: 140-144 '64. (MIRA 17:12)

1. Rekomendovana kafedroy organicheskoy khimii Odesskogo tekhnologicheskogo instituta.

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

USSR / Human and Animal Morphology - Lymphatic System. S

Abs Jour : Ref. Zhur. - Biol., No. 22, 1958, No. 101453

Author : Medvedeva, Ye. M.
Inst : Karaganda Medical Institute.
Title : The Lymph System of the Pancreas

Orig Pub : Tr. Karagandinsk. med. in-ta, 1957, Vol. 1, No. 5, 359-362

Abstract : In cadavers of 13 newborn infants and five dogs it was shown that in the subserosal layer of the pancreas there are superficial and deep layers of lymph vessels, connected by an abundant network of anastomoses. The paths of lymph drainage from the head, body, and tail of the pancreas are described.

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6

MEDVEDEVA, Ye. S

Study of some semiconducting compounds and phases based on boron.
Ye. S. Medvedeva, A. A. Reshchikova, A. A. Yeliseyeva, A. A. Babitsyna, G. D. Mitkina, Ya. Kh. Grinberg, Ye. V. Shorina.

Report presented at the 3rd National Conference on Semiconductor Compounds, Kishinev, 16-21 Sept 1963

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MEDVEDEVA, Ye. T., Engineer Cand. Tech. Sci.

Dissertation: "Investigation of an efficient method for shear testing of wood along fibers." 21 Mar 49

Moscow Order of the Labor Red Banner Engineering Construction Inst. imeni V. V. Kuybyshev

SO Vecherya Moskva
Sum 71

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

PIS'MENNYY, Mikhail Ayzikovich; ~~MEDVEDEVA, Ye.T., kand. tekhn. nauk,~~ ved. red.; SHAL'MAN, M.Kh., inzh., red.; SMIRNOV, B.M., tekhn. red.

[Servosystems for profile milling]Sledlashchie sistemy dlia konturnogo frezerovaniia. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 20 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 10. No.M-58-124/20) (MIRA 16:3)

(Milling machines--Numerical control)

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

ISAYEV, Aleksey Il'ich, doktor tekhn. nauk; MOROZOV, Nikolay Aleksandrovich, inzh.; MEDVEDEVA, Ye.T., kand. tekhn. nauk, ved. red.; TOLMACHEV, V.B., inzh., red.; PONOMAREV, V.A., tekhn. red.

[Effect of methods and conditions of metal finishing on the operational properties of gas-turbine blade alloys]Vliianie metoda i rezhima chistovoi obrabotki na ekspluatatsionnye kachestva gazoturbinnykh lopatochnykh splavov. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 20 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 10. No.M-58-127/21) (MIRA 16:3)

(Heat-resistant alloys—Testing)
(Metals—Finishing) (Gas turbines—Blades)

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

MOROZOV, Nikolay Aleksandrovich, dots., kand. tekhn. nauk; KHABAROV, L.N., retsenzent; OSADCHIYEV, V.G., kand. tekhn. nauk, retsenzent; MEDVEDEVA, Ye.T., red.

[Technology of wood processing] Tekhnologiia obrabotki drevesiny. Moskva, Lesnaia promyshlennost', 1965. 333 p. (MIRA 18:5)

1. Trubchevskiy lesotekhnicheskiy tekhnikum (for Khabarov).
2. Moskovskiy lesotekhnicheskiy institut (for Osadchiyev).

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

MOROZOV, Nikolay Aleksandrovich, kand. tekhn. nauk; SHCHEDRO, David Abramovich, inzh.; MEDVEDEVA, Ye.T., red.

[Manufacture of one-piece compressed furniture with simultaneous finishing] Izgotovlenie tsel'nopressovannoi mebeli s odnovremennoi otdelkoi. Moskva, Lesnaia promyshlennost', 1965. 158 p. (MIRA 18:8)

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

MEDVEDEVA, Ye. Ye.

MEDVEDEVA, Ye.Ye.; NEMCHINOVA, A.V.

Feeding wild birds. Sbor. trud. Mosk. zoop. no.1:78-105 '56.
(Birds--Food) (Moscow--Zoological gardens) (MIRA 10:11)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

MEDVEDEVA, Ye.Ye.; NEMCHINOVA, A.V.

Black swans. Sbor. trud. Mosk. zoop. no.1:106-118 '56. (MIRA 10:11)
(Moscow--Swans)

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033310014-5

MEDVEDEVA, YU. A.

PA 47/49T63

USSR/Medicine-Intestines, Bacteriology Nov/Dec 48
Medicine-Cold Resistance

"Reasons for Protoplasmic Deterioration Due to Severe Cold," E. Ya. Grayevskiy, Yu. A. Medvedeva, Lab of Experimental Biol, Cen Roentgenol, Radiol and Cancer Inst, Leningrad, 14½ pp

"Zhur Obshch Biol" Vol IX, No 6

Describes series of experiments on various intestinal flora, e.g., Eberthella typhosa, B. of Flexner, and Escherichia coli. Results show these bacteria were affected only at the moment of cooling and heating, when ice formation is possible, and not during the period when the object

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remained at the temperature of liquid air. Concludes that resistance to cold of bacteria containing a considerable amount of water is evidently due to their small size, which ensures rapid dehydration of cells when surrounding medium freezes, thereby facilitating vitrification of protoplasm. Under conditions favorable to crystallization, however, extreme cold can kill even these resistant bacteria. Submitted 22 Jan 47.

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MEDVEDEVA, Yu.N. (Aktyubinsk)

Defectless manufacture of goods and their acceptance at first presentation. Shvein. prom. no. 6:39-40 N-D '65. (MIRA 18:12)

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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

DE MEDVEDEVA Z. S.

B-1-4

[illegible] M. A. [illegible] and Z. S. [illegible] Bright, [illegible] on Fe or Al [illegible] from electrolytes of the [illegible] are uneven and dis- [illegible] This is ascribed [illegible] of Cu by Pd, and [illegible] Better results were [illegible] $Na_2Pd(NO_3)_4$ in 5% aq. [illegible] but the thickness [illegible] Of a no. of other [illegible] by that recommended [illegible] containing $Pd(NH_3)_4(NO_3)_2$. N. T.

COMMON ELEMENTS

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1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

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Electrochemical Production and Refining of Platinum-Group Metals. M. A. Klochko and Z. S. Medredeva (*Zhur. Prikład. Khim.*, 1942, 15, (1), 71–76; *Brit. Chem. Abs.*, 1943, (B I), 170).—A review.

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