"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYTSGORI, S.M., inzh.; MARDER, M.V., inzh.

Burning of coal in a mixture with moist lignin. Bum.prom. 34 no.1:17-20 Ja '59. (MIRA 12:1)
(Lignin) (Fuel research)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYTSGORI, S.M., inzh.; MARDER, M.V., inzh.

Testing of screw presses used for dewatering of bark. Bum. prom. 34 no.7:17-19 Jl '59. (MIRA 12:10)
(Wood-using industries--Equipment and supplies)
(Bark)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYTSGORI, S.M., insh.; MARDER, M.V., insh.

Burning bark in precombustion chambers. Bum.prom. 35 no.5:18-20 My '60. (MIRA 13:7)
(Arkhangel'sk—Boilers)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

SHMAKOV, A.T.; GAYTSGORI, Sh.Z.; Prinimal uchastiye: Strongin, A.M., inzh.; KUZNETSOV, G.A., red.; EGGERT, A.P., tekhn. red.

[Manual for a mechanic in furniture factories] Spravochnik mekhanika mebel'nykh predpriiatii. Pod obshchei red. A.M.Strongina. Moskva, Vses. koop. izd-vo, 1960. 631 p. (MIRA 14:7)
(Furniture industry--Equipment and supplies)
(Machinery--Maintenance and repair)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYTSKHOKI, I. (g. Kalinin)

Build quicker and better. Prom.koop. 12 no.11:34 N '58.
(MIRA 11:11)

1. Nachal'nik stroitel'no-montazhnogo upravleniya, g. Kalinin.
(Kalinin Province--Construction industry)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYTSKHOKI, N.I.

BORODINA, O.O., insh.; GAYTSKHOKI, N.I., inzh.; STERLIN, B.Ya., kand. tekhn. nauk.

Expediency of centralized production of catalysts. Masl.-shir. prom. 24 no.3:15-17 '58. (MIRA 11:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhirov.
(Oil industries) (Catalysts)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAIUSHKINA, N.A., kand.ekon.nauk; GAYTSKHOKI, N.I.; PULOVA, M.S.

Lowering the costs and increasing the revenues of the industry. Masl.-zhir.prom. 26 no.9:7-10 S '60. (MIRA 13:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhirov.
(Oil industries)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

BEZUGLOV, I.Ye.; KURDYUMOV, V.N., inzh.; V rabote prinimali uchastiye: GABRILENKO, I.V.; GRABOVSKIY, I.I.; NESHCHADIM, A.G.; BELOBORODOV, V.V.; VISHNEPOL'SKAYA, F.A.; MATSUK, Yu.P.; GAYTSKHOKI, N.I.; USACHEV, A.S.; ABKINA, N.N.; RUMYANTSEVA, A.G.; KOSHELEV, A.P.; GRIGOR'YEV, F.L.; LUKASHEVICH, A.M.; STYAZHKINA, A.G.; MIKHAYLOVICH, A.N.; YEDEMSKIY, P.M.; MASLOV, P.V.; KUDRYASHEVA, Z.P.; PROSMUSHKIN, R.M.; SHTAL'BERG, V.A.; BOYTSOV, N.I.

Operational experience with a newly introduced oil-extraction line equipped with the DS-70 belt-conveyer extractor. Masl.-zhir.prom. 26 no.3:29-31 Mr '60. (MIRA 13:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhirov (for Bezuglov, Gabrilenko, Grabovskiy, Neshchadim, Beloborodov, Vishnepol'skaya, Matsuk and Gaytskhoki). 2. Leningradskiy zhirovoy kombinat (for Kurdyumov, Usachev, Abkina, Rumyantseva, Koshelev, Grigor'yev, Lukashevich, Styazhkina, Mikhaylovich, Yedemskiy, Maslov, Kudryasheva, Prosmushkin). 3. Leningradskoye otdeleniye tresta "Prodmontazh" (for Shtal'berg and Boytsov).

(Leningrad--oils and fats)
(Extraction apparatus)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYTSKHOKI, V.S.

Regulatory mechanism of glycolysis in isolated nuclei of normal and cancer cells. Biokhimiia 30 no. 3:487-494 My-Je '65 (MIRA 19:1)

1. Laboratoriya biokhimicheskoy genetiki Instituta eksperimental'noy meditsiny AMN SSSR, Leningrad.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

IVANOV, I.I.; GAYTSKHOKI, V.S.; KORKHOV, V.V.

Effect of roentgen rays on the motor function of contractile proteins of mobile cells. Biul.eksp.biol.i med. 48 no.12:47-50 D '59. (MIRA 13:5)

1. Iz laboratorii biokhimii (zav. - prof. I.I. Ivanov) Instituta akusherstva i ginekologii (dir. - chlen-korrespondent AMN SSSR P.A. Beloshapko) AMN SSSR, Leningrad. Predstavlena deystvitel'nym chlenom AMN SSSR S.Ye. Severinym.
(SPERMATOZOA radiation eff.)
(MUSCLE PROTEINS)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYTSKHOKI, V.S.

Adenylic coenzyme distribution between the microchondria and hyaloplasm as a factor in the regulation of glycolysis in mice liver cells and Ehrlich's ascites carcinoma. Biokhimiia 26 no.5:926-933 S-O '61. (MIRA 14:12)

1. Department of Biochemistry, Institute of Experimental Medicine, Academy of Medical Sciences of the U.S.S.R., Leningrad.
(LIVER) (GLYCOLYSIS) (COENZYMES) (CANCER)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYTSKHOKI, V.S.; RAZUMOVSKAYA, N.I.

Nucleic acids. Vop. med. khim. 8 no.6:651-652 N-D '62. (MIRA 17:5)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYTSKHOKI, V.S.

Role of intramitochondrial coenzymes in controlling the rate of glycolysis in the liver cells of mice and in Ehrlich's ascitic carcinoma. Biokhimiia 27 no.2:286-292 Mr-Ap '62. (MIRA 15:8)

1. Institute of Experimental Medicine, Academy of Medical Sciences of the U.S.S.R., Leningrad.
(MITOCHONDRIA) (COENZYMES) (GLYCOLYSIS) (CANCER)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

NEYFAKH, S.A.; GAYTSKHOKI, V.S.; KAZAKOVA, T.B.; MEL'NIKOVA, M.P.; TUROVSKIY, V.S.

Chemical nature of the mitochondrial factor stimulating glycolysis. Dokl.AN SSSR 144 no.2:449-452 My '62. (MIRA 15:5)

1. Institut eksperimental'noy meditsiny Akademii meditsinskikh nauk SSSR. Predstavleno akademikom A.I.Oparinym.
(GLYCOLYSIS) (CELLS)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYTSKHOKI, V.S.

~~GAYSKHOKI, V. S.~~

Dissertation defended at the Institute of Physiology imeni I. P. Pavlov for the academic degree of Candidate of Medical Sciences:

"Significance of Mitochondrial Membranes in Coenzyme Distribution and in Controlling the Glycolsis Rate in the Cell."

Vestnik Akad Nauk, No. 4, 1963, pp. 119-145

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYTSKHOKI, V.S.

Pasteur effect in isolated cell nuclei. Vop. med. khim. 9 no.5:537-539 S-O '63. (MIRA 17:1)

1. Laboratoriya enzimologii otdela biokhimii Instituta eksperimental'noy meditsiny AMN SSSR, Leningrad.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYTSHOKI, V.S. (Leningrad)

Energy metabolism of the cell nucleus. Usp. sovr.biol. 57 no.1: 30-49 Ja-F '64. (MIRA 17:5)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

NEYFAKH, S.A.; NEMCHINSKAYA, V.L.; GAYTSKHOKI, V.S.; GANELINA, L.Sh.

Participation of mitochondria in the control of the glycolysis of the cell nucleus. Dokl. AN SSSR 154 no.5:1202-1205 F'64. (MIRA 17:2)

1. Institut eksperimental'noy meditsiny AMN SSSR i Institut tsitologii AN SSSR. Predstavleno akademikom N.M. Sisakyanom.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYUBOV, G.N.

Isometric transformation of surfaces in hyperbolic space. Nauch. trudy TashGU no.228:17-32 '63. (MIRA 18:7)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYDEOV, [illegible]

Transformation of locally convex figures. Izv. Ak. Uz. SSR. Ser. fiz.-mat. nauk [illegible] No.[illegible] 1965. (MIRA 18:9)

1. Tashkentskiy gosudarstvennyy universitet imeni Lenina.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

SOV/3-59-3-33/48

22(1)

AUTHOR: Kortnev, A.V., Candidate of Technical Sciences, Docent; Gayuk, G.N., Candidate of Technical Sciences; Kutsenko, A.N.

TITLE: This Was Done in a Vuz (Eto sdelano v vuze) - Stands for Taking the Characteristics of Electron Tubes (Stendy dlya snyatiya kharakteristik elektronnykh lamp)

PERIODICAL: Vestnik vysshey shkoly, 1959, Nr 3, pp 65-68 (USSR)

ABSTRACT: The examination of electron tubes as part of the practical work in physics usually causes many methodological difficulties and requires bulky equipment. Workers of the Chair of Physics of the Odessa Polytechnical Institute have therefore worked out a new method of carrying out this training work. Two small stands were made: one for examining diode and triode tubes, the other for tetrodes and pentodes. They contain the following 4 devices: a large scale milliammeter permitting to measure the anode current from

Card 1/4

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

SOV/3-59-3-33/48

This Was Done in a Vuz - Stands for Taking the Characteristics of Electron Tubes

0 to 30 ma over 3 diapasons - 3, 9 and 30 ma; a high-resistance voltmeter for measuring voltage from 30 to 300 volt; a large-scale voltmeter (Vc) for measuring grid voltage from -6 to plus 6 volts, from -9 to plus 9 volts and from -18 to plus 18 volts; and a voltmeter for measuring filament voltage. Every device has clamps or sockets for circuit connection. On a horizontal panel are fixed: filament voltage and grid voltage regulators and a switch allowing to lead-in the load resistances into the anode circuit, clamps and sockets for switching on the devices and current sources, and 2 small lamp panels. Here is also a circuit diagram under plexiglass. The connection of the devices on the stand is carried out by wires with single-pin plugs. It is convenient to use a zero point potentiometer. With switch P_1, the load resistances R_1, R_2, R_3, R_4 can

Card 2/4

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

SOV/3-59-3-33/48

This Was Done in a Vuz - Stands for Taking the Characteristics of Electron Tubes

be connected to the anode circuit of the tube, thereby taking the tube's dynamic characteristics. At the second stand tetrodes and pentodes are examined. This work is practically a continuation of the study of diodes and triodes. Besides the devices mounted on the first stand, there are on this stand a milliammeter for measuring the current on the screen grid, and a high-resistance voltmeter for measuring the voltage on the screen grid with a measurement range from 30 to 200 volts. On the horizontal panel are fixed: a grid voltage regulator, clamps and sockets for connecting the devices and current sources, sockets for the connectors P_1, P_2, P_3, P_4, P_5, and 3 small tube panels. At this stand high-frequency pentodes of the 6Zhi and 6K3 type, and small-button pentodes of the 6Zh3P type can be examined,

Card 3/4

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

SOV/3-59-3-33/48

This Was Done in a Vuz - Stands for Taking the Characteristics of Electron Tubes

and not only the static characteristics can be taken, but alos the influence of the anode or cathode load on their characteristics can be studied. Rectifiers serve as current sources for the anode circuits and the circuits of the screen grid. The stands were made in the workshop of the institute's Chair of Physics. There are 2 photographs and 2 diagrams.

ASSOCIATION: Odesskiy politekhnicheskiy institut (Odessa Polytechnical Institute)

Card 4/4

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYUN, K.G.; ZAYTSEVA, A.G.; LEVCHENKO, T.F.

Hydrogeolgical characteristics of Lake Pomyaretskoye (Truskavets resort). Geol. sbor. [Lwov] no.4:343-345 '57. (MIRA 13:2)

1.Gidrogeologicheskaya kontora Minzdrava USSR, L'vov.
(Pomyretskoye, Lake (Truskavets))

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYUN, K.G.

Formation conditions for the chemical composition of "Naftusia" water at the Truskavets resort. Gidrokhim. mat. 27:66-72 '57. (MIRA 11:4)

1. Ukrainskaya gidrogeologicheskaya ekspeditsiya, gidrogeologicheskaya partiya No.1, g. Truskavets Drogobychskoy oblasti.
(Truskavets--Mineral waters--Analysis)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

PHASE I BOOK EXPLOITATION SOV/5303

Nauchno-tekhnicheskoye soveshchaniye po dempfirovaniyu kolebaniy. Kiyev, 1958.

Trudy Nauchno-tekhnicheskogo soveshchaniya po dempfirovaniyu kolebaniy, 17 - 19 dekabrya 1958 g. (Transactions of the Scientific and Technical Conference on the Damping of Vibrations, Held 17 - 19 December, 1958) Kiyev, Izd-vo AN UkrSSR, 1960. 178 p. 2,000 copies printed.

Sponsoring Agency: Akademiya nauk Ukrainskoy SSR. Institut metallokeramiki i spetsial'nykh splavov.

Editorial Board: I. N. Frantsevich, G. S. Pisarenko (Resp. Ed.), G. V. Samsonov, V. V. Grigor'yeva, and A. P. Yakovlev; Ed. of Publishing House: I. V. Kisina; Tech. Ed.: A. A. Matveychuk.

COVERAGE: The book contains 27 articles dealing with principal results of theoretical and experimental investigations of energy dissipation in mechanical vibrations carried out in the Soviet Union from 1956 to 1958. Problems of energy dissipation in materials and factors affecting it are discussed. Purportedly new methods of experimental investigation of damping of vibrations are presented. Attention is given to the recently developed nonlinear theory of calculating vibrations in elastic systems, taking energy dissipation into account. Attempts to analyze internal energy dissipation in materials using methods of mathematical statistics are discussed. Some articles deal with engineering problems in dynamics, in which damping is claimed to play a highly substantial part. Aspirant N. I. Mukhin, of the Kiyev Polytechnic Institute, is mentioned. References accompany some of the articles.

TABLE OF CONTENTS:

Pisarenko, G. S. Survey of Studies, Made in Kiyev, of Damping of Vibrations 3

Novikov, N. V. On Energy Dissipation in Heat-Resistant Alloys Vibrating at High Temperatures 130

Khil'chevskiy, V. V. On Effect of Low Temperatures on Energy Dissipation in a Material Vibrating Transversally 134

Krishtal, M. A., and S. A. Goloyin. Special Features of Damping of Vibrations in Ferromagnetic Specimens Being Tested 140

Shashlov, V. I., [Candidate of Technical Sciences]. On the Interrelation Between Damping Properties and Some Strength Characteristics of Carbon Steel 143

Debrivnyy, I. Ye., [Assistant]. Research on the Damping of Free Vibrations in Wire Cables 145

Bratus', Ya. A., [Assistant], and G. S. Pisarenko. Research on the Damping of Vibrations in Bundles of Rods 151

Gayun, V. V. Investigation of Vibrational Stability of Mechanisms Having Cylindrical Springs Forced to Vibrate Longitudinally 160

Babayev, N. N., S. K. Dorofeyuk, and V. G. Lentyakov. On Resistances in a Vibrating Ship's Hull 164

Bolotin, F. F., and I. A. Lur'ye. On the Role of Internal Friction in Limiting the Torsional Resonance Vibrations in Ship's Shaft Casings 171

Ovsiyenko, G. M. On Effect of Elastic Vibrations of a Bolt Joint on the Bolt's Loosening 176

AVAILABLE: Library of Congress

AC/dfk/ba

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

L 29[illegible] EWT(1) GW/GD

ACC NR: AP6008776 SOURCE CODE: UR/0115/66/000/001/0029/0032

AUTHOR: Pellinets, V. S.; Gayun, V. V.

ORG: none

TITLE: Problems of dynamic correction in transient measurements

SOURCE: Izmeritel'naya tekhnika, no. 1, 1966, 29-32

TOPIC TAGS: seismologic instrument, error correction

ABSTRACT: Two methods of dynamic correction of seismic sensors — error simulation and multiplication of characteristics — are theoretically considered. It is found that: (1) Due to the parametric instability of a mounted (fixed) sensor and the effect of noise increasing with the channel gain, the method of characteristic multiplication seems to be preferable, provided the frequency band is limited to the lower natural frequency of the sensor; (2) In the above case, it is practically

Card 1/2

UDC: 621.3.088.6

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

L 39500-65
ACC NR: AP6008776

possible to design the correcting circuits with a near-unity transfer factor and a near-linear phase-frequency characteristic; this ensures distortionless reproduction of the process-curve shape starting from a certain adjustable level; (3) In the sensor-amplifier-galvanometer channel, the minimum error of reproduction of certain transients takes place if $\lambda = T_g / T_s = 2.2$ and $\eta = \tau / T_g \geqslant 08$; here, T_g and T_s are the periods of natural oscillations of the galvanometer and sensor, respectively; τ is the pulse-rise time. Orig. art. has: 4 figures, 9 formulas, and 1 table.

SUB CODE: 06, 09 / SUBM DATE: none / ORIG REF: 009

Card 2/2

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

PEREVOZKIN, Yu.L.; GAYUN, Yu.A.

Using the R-3 composition without stearin for investment casting. Biul. tekh.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekh. inform. 18 no.10:13-14 O '65. (MIRA 18:12)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

NOVIKOV, Ya.N.; GAYVAN, V.V.; IVANOV, F.M.

Improved waterproofing of overpasses. Avt.dor. 25 no.8:20-21 Ag '62. (MIRA 16:2)

(Viaducts)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

BUDNIKOV, P.P.; GAYVARONSKIY, S.Ya.; PETROV, L.K.

Role of gas medium in the formation of the cellular structure of keramzit. Stroi. mat. 11 no.8:32-33 Ag '65. (MIRA 18:9)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYVORON, Arkadiy Abramovich; SKORUBSKAYA, I.N., red.; SHADRINA, N.D., tekhn.red.

[Pages of life] Stranitsy zhizni. Moskva, Izd-vo VTsSPS Profizdat, 1957. 83 p. (MIRA 12:11)
(Meshchenko, Grigorii Semenovich)
(Turning)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

L 23307-66 EWT(m)/EWP(w)/T/EWP(t) IJP(c) JD/EM

ACC NR: AP6007569 SOURCE CODE: UR/0198/66/002/002/0081/0090

54
13

AUTHOR: Gayvas', I. V. (L'vov)

ORG: Physico-mechanics Institute, AN UkrSSR (Fiziko-mekhanicheskiy institut AN UkrSSR)

TITLE: Thermal stresses caused by disturbance of uniform heat flow in regions of macroinclusions 24, 57

SOURCE: Prikladnaya mekhanika, v. 2, no. 2, 1966, 81-90

TOPIC TAGS: thermal stress, heat transfer, metal stress, inclusion, impurity

ABSTRACT: The thermal stresses caused by the disturbance of uniform heat flow in regions of macroinclusions are considered for the cases of thermally insulated openings in the material and for elastic impurities. The general approach of complex potentials by N. N. Lebedev (Temperaturnyye napryazheniya v teorii uprugosti, ONTI, 1937) is used in the solution of these problems. The basic equations of plane thermoelasticity are solved by determining two analytical functions from the corresponding contour conditions from N. I. Muskhelishvili (Nekotoryye osnovnyye zadachi matematicheskoy teorii uprugosti, Izd-vo AN SSSR, 1954). The solutions are obtained after assuming temperature and stress boundary conditions at the inclusion-material interfaces for the two cases. Orig. art. has: 54 formulas.

SUB CODE: 13/ SUBM DATE: 08May65/ ORIG REF: 003/ OTH REF: 002

Card 1/1 20/

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

62-58-5-15/27

AUTHORS: Shuykin, N. I., Cherkashin, M. I., Gayvoronskaya, G. K.

TITLE: Catalytic Isomerization of the Dicyclopentyl Under Hydrogen Pressure (Kataliticheskaya izomerizatsiya ditsiklopentila pod davleniyem vodoroda)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Khimicheskikh Nauk, 1958, Nr 5, pp. 626 - 628 (USSR)

ABSTRACT: The investigation of catalytic conversions of bicyclic systems lead to the determination of important rules. Zelinskiy and Tits (Reference 1) observed already the extension of the ring-system of dicyclopentyl in decalin under the action of hydriotic acid on cyclopentylcyclopentanol. One of the authors of this report found (Reference 2) that 1,2-cyclopentylcyclopentanol under the action of zinc-chloride, synthesizes Δ-9,10-octalin. Turova-Polyak (Reference 3) obtained the same results with concentrated phosphoric acid. He also achieved the synthetization of trans-decalin on the action of $AlCl_3$ on dicyclopentyl.

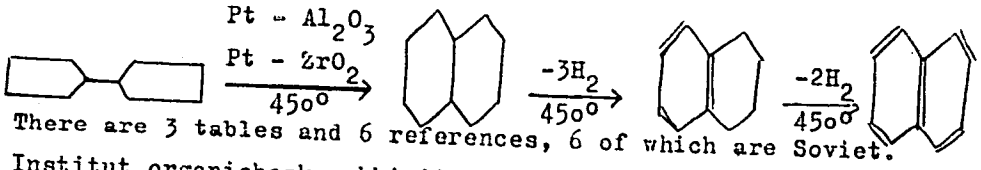
Card 1/2 Eventova (Reference 4) found that dicyclopentyl can be hydro-

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

Catalytic Isomerization of the Dicyclopentyl Under Hydrogen Pressure 62-58-5-15/27

genized at 310 to 320°C in the presence of platinized coal. A composed mixture of hydrocarbons is formed in this connection. In the present work the authors investigated the behavior of dicyclopentyl on platine-catalysts at increased temperatures and under hydrogen pressure. It was found in this connection that dicyclopentyl suffers an isomerization in decalin with subsequent dehydration in tetralin and naphthalene:



There are 3 tables and 6 references, 6 of which are Soviet.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR (Institute for Organic Chemistry imeni N. D. Zelinskiy AS USSR)

SUBMITTED: December 6, 1957

Card 2/2

1. Cyclic compounds--Isomerism 2. Cyclic compounds--Catalysis 3. Catalysts--Materials 4. Catalysts--Performance 5. Hydrogen--Applications 6. Pressure--Applications

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

5.3300

78079
SOV/62-60-1-25/37

AUTHORS: Nazarova, N. M., Freydlin, L. Kh., Gayvoronskaya, G. K.

TITLE: Brief Communications. Alkylation of Propane and Isopentane With Ethylene at High Temperatures Under Pressure

PERIODICAL: Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk, 1960, Nr 1, pp 129-131 (USSR)

ABSTRACT: This is a continuation of the study of alkylation of saturated hydrocarbons. Propane and isopentane were alkylated with ethylene in the presence of Al_2O_3 at 450° at 450-500 atm pressure. The methods of experiments and analysis were described previously (L. Kh. Freydlin, A. A. Balandin, N. M. Nazarova, Dokl. AN SSSR 96, 1011, 1954). The results are shown in Fig. 1 and in Table 1.

Card 1/6

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

Brief Communications. Alkylation of Propane and Isopentane With Ethylene at High Temperatures Under Pressure

78079
SOV/62-60-1-25/37

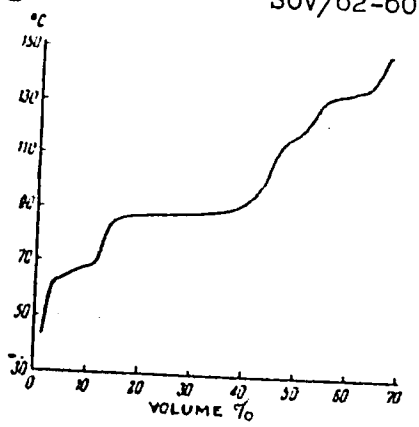


Fig. 1. Fractional distillation curve of the products of alkylation of isopentane with ethylene (experiment 2).

Card 2/6

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

Brief Communications. Alkylation of Propane and Isopentane With Ethylene at High Temperatures Under Pressure

78079
SOV/62-60-1-25/37

Table 1. Alkylation of propane withe ethylene at 450° in the presence of Al_2O_3

(a)	(b)	(c)	(d)	(e)	(f)	(g) to 30° (h)	(g) to 30° (i)	(g) 30–38° (h)	(g) 38–85° (h)	(g) 38–85° (i)	(g) 85–95° (h)	(g) 85–95° (i)	(j)
1	450	13,3	1000	65	86	8,2	46	4,1	10,5	77	9,7	25	67,5
2	500	18,4	1660	77	102	5,8	14	2,2	12,1	44	11,5	42	68,0
3	500	16,4	850	63	75	6,4	13	2,6	15,0	46	15,4	15	60,6
4	300	12,0	—	17	—		(k)		31				

Card 3/6

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

Brief Communications. Alkylation of Propane and Isopentane With Ethylene at High Temperatures Under Pressure

78079
SOV/62-60-1-25/37

Key to Table 1. In experiment Nr 1 an industrial sample of Al_2O_3 was used; in experiment Nr 2 Al_2O_3, treated first with potassium bifluoride and then with sulfuric acid, was used; in experiment Nr 3 Al_2O_3 saturated with 1% K_2CO_3 was used. (a) Experiment Nr; (b) pressure in atm; (c) ethylene content in the initial mixture in %; (d) space velocity in liters of gas per liter of catalyst per hour; (e) degree of C_2H_4 conversion in %; (f) yield of the products of alkylation based on ethylene taken, in % by weight; (g) characteristics of the alkylation products by fraction; (h) % by weight; (i) bromine number ; (j) content of the higher boiling residues in % by weight; (k) bromine number of alkylation products.

Card 4/6

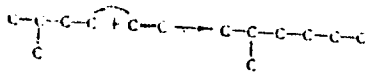
APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

Brief Communications. Alkylation of Propane and Isopentane With Ethylene at High Temperatures Under Pressure

78079
SOV/62-60-1-25/37

Spectral analyses of the diffent fractions of the alkylation products show that in the first stage of reaction, ethylene adds propane, mainly with the participation of the secondary carbon atom, to form isopentane; and only to a smaller extent with the participation of the primary carbon atom to form n-pentane. In the second stage of the reaction, ethylene adds mainly isopentane with the participation of the primary carbon atom:



and only to a small extent with the participation of tertiary carbon atom:

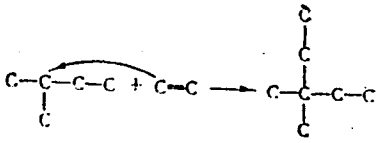
Card 5/6

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

Brief Communications. Alkylation of Propane and Isopentane With Ethylene at High Temperatures Under Pressure

78079
SOV/62-60-1-25/37



Apparently the specific structure of propane make its alkylation with ethylene (as well as with propylene) more difficult then the alkylation of the normal high molecular aliphatic hydrocarbons. A. I. Paliy participated in this work. There are 2 tables; 1 figure; and 7 references, 2 U.S., 5 Soviet. The U.S. references are: F. E. Frey, H. J. Hepp, Industr. and Engng. Chem., 28, 1439 (1936); A. A. O'Kelly, A. N. Sachanen, Industr. and Engng. Chem., 38, 462 (1946).

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

SUBMITTED: June 2, 1959

Card 6/6

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYVORONSKAYA, G. K.

86414
S/062/60/000/008/022/033/XX
B013/B055

14.1210

AUTHORS: Shuykin, N. I., Timofeyeva, Ye. A., Dobrynina, T. F., Pleintsev, Yu. N., Petryayeva, G. S., and Gayvoronskaya, G. K.

TITLE: Catalytic Dehydrogenation of Isohexanes

PERIODICAL: Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk, 1960, No. 8, pp. 1457-1465

TEXT: The present paper is a continuation of the investigation into the dehydrogenation of hydrocarbons of different structures over an aluminum-chromium-potassium catalyst. The catalyst is discussed in detail in Ref. 1. The 2-methyl pentane, 3-methyl pentane, and 2,3-dimethyl butane used in this investigation were prepared by the Grignard reaction. 2,2-dimethyl butane was obtained by pyrolysis of pinacoline alcohol acetate (Ref. 2). The experiments were carried out in a continuous system, at 500°C and atmospheric pressure and a flow rate of 0.5 h^{-1}. The catalyst was regenerated after every experiment by oxidation in air at 700°C. The properties of the isohexane catalysates are listed in Table 1 and the

Card 1/3

Catalytic Dehydrogenation of Isohexanes S/062/60/000/008/022/033/XX B013/B055

compositions of the gases formed in Table 2. For comparison, the corresponding data for n-hexane are also given. As is shown, dehydrogenation of 2-methyl pentane, 3-methyl pentane and 2,3-dimethyl butane yields 34-40% unsaturated hydrocarbons. Isohexanes form up to 2% and n-hexane up to 63% aromatic hydrocarbons. 2,2-dimethyl butane was found to form 15% unsaturated hydrocarbons. Formation of aromatic hydrocarbons was not observed. The gaseous products formed from 2-methyl pentane, 3-methyl pentane and 2,3-dimethyl butane contained 84 - 90% hydrogen, 9 - 12% methane, ethane, and propane, and 1 - 4% of other alkenes and alkanes. The gas obtained from 2,2-dimethyl butane contained 72.6% hydrogen, 21.2% C_1-C_3 alkanes and 6.2% of other hydrocarbons. These data show that 2,2-dimethyl butane is less stable under the given conditions than all other isohexanes. This conclusion was confirmed by the examination of the liquid catalysates. Analytical data on the catalysate compositions allow the conclusion that, in hydrogenation under the given conditions, all the isohexanes form alkenes containing essentially 6 carbon atoms. Isomerization was not observed in dehydrogenation of 3-methyl pentane. Slight isomerization occurred during dehydrogenation of 2-methyl pentane and 2,3-dimethyl butane. 2,2-dimethyl butane formed alkenes during the catalytic reaction. Approximately half of these alkenes were isomerization products: 4-methyl 2-pentene.

Card 2/3

Catalytic Dehydrogenation of Isohexanes S/062/60/000/008/022/033/XX B013/B055

2-methyl 2-pentene and 2,3-dimethyl 1,3-butadiene. Finally, a thermodynamic calculation of the reaction isohexanes $\rightleftarrows$ isohexenes was carried out (Table 8, Fig. 2). It is evident from the results obtained that the experimental yields of isohexenes approach the equilibrium yields. Fig. 1 represents chromatograms of an artificial hydrocarbon mixture and several fractions of isohexane catalysates. The authors thank E. N. Shafran for carrying out the analysis of the gases. There are 2 figures, 9 tables, and 9 references: 7 Soviet, 1 US, and 2 British.

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)

SUBMITTED: February 17, 1959

Card 3/3

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

BEL'SKIY, I.F.; SHUYKIN, N.I.; VASILEVSKAYA, G.K.; GAYVORONSKAYA, G.K.

Catalyzed synthesis of 2,6-dialkyltetrahydropyrans. Izv.AN SSSR.Otd. khim.nauk 1650-1653 S '62. (MIRA 15:10)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Pyran)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

S/062/63/000/003/017/018
B101/B186

AUTHORS: Dolgiy, I. Ye., Meshcheryakov, A. P., and Gayvoronskaya, G.K.

TITLE: Reaction of diazoacetic ester with unsaturated silicon and germanium compounds

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye khimicheskikh nauk, no. 3, 1963, 572 - 575

TEXT: The reaction of ethyl diazoacetate with trimethyl allyl silane, trimethyl allyl germane and triethyl vinyl silane enabled organic compounds of silicon and germanium containing cyclopentane rings to be synthesized for the first time. For comparison the reaction was also made with the carbon analog 4,4-dimethyl-pentane-1. The following reaction products were obtained: Ethyl ester of the 2-(trimethyl silyl)-cyclopropane carboxylic acid, yield 66.5 %, b. p. 86.5 - 87.5°C/10.5 mm Hg, d_4^{20} = 0.9072, n_D^{20} = 1.4400; ethyl ester of the 2-(trimethylgermyl)-cyclopropane carboxylic acid, yield 66.5 %, b.p. 84.5 - 85°C/9 mm Hg, d_4^{20} = 1.0999, n_D^{20} = 1.4550; ethyl ester of the 2-triethyl silyl cyclopropane

Card 1/2

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

carboxylic acid, yield 42 %, b.p. 110°C/11 mm Hg, d_4^{20} = 0.9214, n_D^{20} = 1.4543 and ethyl ester of the 2-neopentyl cyclopropane carboxylic acid, yield 59 %, b.p. 85 - 86°C/15 mm Hg, d_4^{20} = 0.9054, n_D^{20} = 1.4342. There is 1 table.

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)

SUBMITTED: October 31, 1962

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

L 12722-63 EPF(c)/EWP(j)/EWT(m)/BDS ASD Pr-4/Pc-4 RM/WW
ACCESSION NR: AP3002294 S/0062/63/000/006/1111/1114

66
65

AUTHOR: Dolgiy, I. Ye.; Meshcheryakov, A. P.; Gayvoronskaya, G. K.

TITLE: Synthesis and properties of silicon and germanium-containing hydrocarbons of the cyclopropane series

SOURCE: AN SSSR. Izv. Otdeleniye khimicheskikh nauk, no. 6, 1963, 1111-1114

TOPIC TAGS: silicon-containing hydrocarbons, germanium-containing hydrocarbons, cyclopropane series

ABSTRACT: Hydrocarbons of the cyclopropane series having an atom of Si or Ge in the molecule were synthesized and properties, including extensive Raman data, were described. (Trimethyl germyl-methyl) cyclopropane, (trimethyl silylmethyl) cyclopropane, (triethylsilyl) cyclopropane and (trimethylsilyl) cyclopropane, and for comparison, neopentylcyclopropane, were studied. In the reaction of the unsaturated silicon hydrocarbon with methylene iodide in the presence of Cu-Zn vapors, neither the Alpha or Beta position of the double bond (in the case of trimethylallyl- or trimethylvinyl silane), nor the nature of the element found in the position Beta to the double bond (in the case of trimethylallyl silane, trimethylallyl germane and 4,4-dimethylpentene-1) show any significant effect on the yield of the cyclopropane produced.

Card 1/2 Association: Inst. of Organic Chemistry, Academy of Sciences, SSSR

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

SHUYKIN, N.I.; BEL'SKIY, I.F.; SHOSTAKOVSKIY, V.M.; KHAR'KOV, S.N.; GAYVORONSKAYA, G.K.

Conversion of -ketocarboxylic acid esters to lactams. Dokl. AN SSSR 153 no.3:628-630 N '63. (MIRA 17:1)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.
2. Chlen-korrespondent AN SSSR (for Shuykin).

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GLUKHOVTSEV, V.G.; ZAKHAROVA, S.V.; SHOSTAKOVSKIY, V.M.; GAYVORONSKAYA, G.K.

Synthesis of furancarboxylic acid esters. Izv. AN SSSR. Ser. khim. no.10:1879-1881 O '64. (MIRA 17:12)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

FREYDLIN, L.Kh.; NAZAROVA, N.M.; LITVIN, Ye.F.; GAYVORONSKAYA, G.K.

Reaction of cyclohexane with 3-methylbutene-1 and 2-methylbutadiene-1,3. Neftekhimiia 4 no.2:246-251 Mr-Ap'64 (MIRA 17:8)

1. Institut organicheskoy khimii AN SSSR imeni Zelinskogo.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

SHUYKIN, N.I.; LEBEDEV, B.L.; NIKOL'SKIY, V.G.; GAYVORONSKAYA, G.K.

Vinylation of tetralin in the presence of peroxide. Izv. AN SSSR Ser. khim. no.2:351-353 '65. (MIRA 18:2)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

KOSMACHEVSKIY, A.S., doktor biolog. nauk; GAYVORONSKAYA, G.M.

Age-related characteristics of the click beetle Agriotes obscuris. Zashch. rast. ot vred. i bol. 7 no.9:45 S '62. (MIRA 16:8)

1. Krasnodarskiy pedagogicheskiy institut.
(Click beetles)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

NIKITIN, Ye.K.; GAYVORONSKAYA, I.Ya.

Investigating solubility in a compound solvent by means of titration with one of its components. Part 1: Solubility of isoamyl alcohol in aqueous mixtures of isopropyl alcohol. Izv.vys.ucheb.zav.; khim.i khim.tekh 2 no.4:509-515 '59. (MIRA 13:2)

1. Saratovskiy meditsinskiy institut. Kafedra neorganicheskoy i analiticheskoy khimii.
(Alcohols) (Solubility)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

PROSTAKOV, N.S.; GAYVORONSKAYA, L.A.

Substituted pyridines. Dehydrogenation and dealkylation of substituted piperidines. Zhur. ob. khim. 32 no.1:76-81 Ja '62. (MIRA 15:2)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni M.V. Lomonosova.
(Pyridine) (Piperdine)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

PROSTAKOV, N.S.; GAYVORONSKAYA, L.A.; MIKHAYLOVA, N.M.; KIRILLOVA, L.M.

Substituted pyridines. Synthesis of 2,5-dimethyl-4-alkaryl (aryl) pyridines. Zhur. ob. khim. 33 no.8:2573-2576 Ag '63. (MIRA 16:11)

1. Universitet druzhby narodov imeni Patrisa Lumumby.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

24737
S/080/60/033/007/021/024/XX
D270/D304

54700 1087

AUTHORS: Galushko, V.P., Zavgorodnyaya, Ye.F. and Gayvoronskaya, L.K.

TITLE: The cathode reduction of magnetite

PERIODICAL: Zhurnal prikladnoy khimii, v. 33, no. 1, 1960, 1546-1551

TEXT: This study was carried out to supplement a previous one on the cathode reduction of ferric oxide, Fe_2O_3. Method: Magnetite was obtained by the oxidation of low carbon iron in a current of carbon dioxide at 900 - 1000° for 8 - 10 hours. 50 - 60 g of low carbon iron wire were placed in a porcelain tube between two iron or nickel screens and carbon dioxide was passed through the furnace at a constant rate of 50 - 60 l/hr. On analysis the product contained FeO 32.2%, Fe_2O_3 67.5%, Fe_{met} 0.3% or Fe_3O_4 97.9%, FeO 1.86%, Fe_{met} 0.3%. The magnetite obtained was pounded and sifted. Pieces with dimensions smaller than 25 mm were subjected to cathode reduction. 5 g of magnetite were soaked in electrolyte and pasted on

Card 1/7

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

24737

S/080/60/033/007/021/024/XX
D270/D304

The cathode reduction of magnetite

both sides of a lamellar cathode which was then wrapped in linen and bound tightly with thin twine. The method of cathode reduction and iron analysis was similar to that of V.P. Galushko Ye. F. Zavgorodnyaya and L.I. Tischenko (Ref. 6: ZhPKh, XXXII, 7, 1551, (1957)). The percentage of Fe_{met} in the mixture of Fe_{met} and unreduced magnetite obtained was calculated and the percentage reduction of Fe_3O_4 worked out from the ratio of the percentage of metallic iron to the sum of Fe_{met} and iron contained in the unreduced magnetite. Unless otherwise indicated all experiments continued for a period theoretically sufficient to reduce the magnetite completely and, therefore, the percentage of reduced magnetite is numerically equal to the yield of iron for the given current. Experiments were done at least twice and average results presented. The results are as follows:
a) The effect of electrolyte composition and concentration: (Table 1) Fe_3O_4 dissolves in acids, is slightly reduced in neutral Na_2SO_4 (Na_2SO_4, 10 H_2O - 32 g/l); reduces best in NaOH (400 g/l) which was, therefore, used as an electrolyte. In alkaline solutions the reduction of briquetted magnetite is accompanied by the simultaneous production of hydrogen through the dissociation of a molecule of water

Card 2/7

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

24737
S/080/60/033/007/021/024/XX
D270/D304

The cathode reduction of magnetite

according to the equation $2H_2O + 2e - H_2 + 2OH^-$ (1)
With an increase in alkali concentration, the activity of the water molecule declines, the hydrogen production potential becomes more electronegative, hydrogen formation more difficult and the percentage reduction of Fe_3O_4 rises; b) The effect of current density (D_k): (Table 2): The percentage reduction of Fe_3O_4 falls with an increase in current density. A.F. Afanas'yeva and O.Ya. Miroshnichenko (Ref. 11: NDVSh., Khim. i Khim. tekhnol., 4, 642 (1958)) and (Ref. 12: Ukr. khim. zh., 25, 3, 326 (1959)), studying single crystals of magnetite, showed that Eq. (1) and the electroreduction of magnetite: $Fe_3O_4 + 4H_2O + 8e - 3Fe + 8OH^-$ (2)
occur simultaneously and that as current density increases hydrogen formation comes to predominate since Eq. (2) cannot guarantee passage of large amounts of current; c) The effect of temperature: 80° was chosen as a working temperature since above this the electrolyte evaporates rapidly and frequent correction must be made. Above 60° the percentage reduction of Fe_3O_4 increases slowly, probably because of the low electric conductivity of briquetted magnetite. The hydrogen super-tension declines with an increase in temperature

Card 3/7

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

24737

S/080/60/033/007/021/024/XX
D270/D304

The cathode reduction of magnetite

and the percentage reduction of Fe_3O_4 would also be expected to fall. In fact it rose implying that Fe_3O_4 reduction supertension fell to a much greater extent than that of the H_2 solution; d) The granulometric composition of magnetite: Cathode reduction affects the outer layers of Fe_3O_4 particles first. The central areas are much more difficult to attack. Therefore, the greater the surface area, i.e. the more rugged the particle surface, the greater the percentage reduction. The granulometric composition of iron powder obtained after reduction contained a small quantity of smaller and larger than average particles but was for the most part (86 - 90%) unchanged. It was concluded that reduction of Fe_3O_4 in these experimental conditions occurred in the solid phase; e) The quantity of electricity: Under optimal conditions, the passage of an amount of electricity, Q_{theor}, theoretically sufficient to reduce a given amount of Fe_3O_4 completely proved insufficient since part was expended on the reduction of hydrogen. When $\frac{Q}{Q_{theor}} = 4$ reduction of Fe_3O_4 was virtually completed but only 93% of iron was obtained, part being oxidized during washing and drying. If after removal of alkali the

Card 4/7

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

24737
S/080/60/033/007/021/024/XX
The cathode reduction of magnetite D270/D304

iron powder was washed with ethyl alcohol it dried much more rapidly, further oxidation was almost completely avoided and yield of Fe_{met} increased to 99.7%. The iron powder was grey and fine. Conclusions: 1) The greatest percentage reduction of Fe_3O_4 occurred with NaOH (400 g/l) solution as electrolyte. It increased with rise in temperature, rise in quantity of electricity, decrease in current density, decrease in size of magnetite particles. 2) During reduction the majority of particles keep their initial dimensions. 3) It was suggested that in the condition of this study cathode reduction of Fe_3O_4 occurred in the solid phase. There are 2 figures, 5 tables and 12 references: 11 Soviet-bloc and 1 non-Soviet-bloc.

ASSOCIATION: Dnepropetrovskiy gosudarstvennyy universitet (Dnepropetrovsk State University)

SUBMITTED: August 31, 1959

Card 5/7

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYVORONSKAYA, L.S.

Agroclimatic basis for raising creeping orchards in Siberia and the Virgin Territory. Trudy TSIP no.101:26-52. (MIRA 15:9)
(Siberia--Crops and climate)
(Virgin Territory--Crops and climate) (Apple)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYVORONSKAYA, L.S.

Low soil temperatures in Siberia and the Virgin Territory, and their importance for fruit crops. Meteor. i gidrol. no.5:33-36 My '62. (MIRA 15:6)

(Siberia—Soil temperature) (Virgin Territory—Soil temperature) (Fruit culture)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYVORONSKAYA, L.S.

Soil temperature during the winter in the orchards of Siberia and northern Kazakhstan. Meteor. i gidrol. no.11:35-36 N '63. (MIRA 16:11)

1. TSentral'nyy institut prognozov.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYVORONSKAYA, L.S., kand. geograf. nauk

Jen-yu Wang's book "Agricultural meteorology." Reviewed by L.S. Gaivoronskaia. Meteor. i gidrol. no.9:50-51 S '64. (MIRA 17:9)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

OZHEREL'YEV, D.I.; GAYVORONSKAYA, M.I.; BULAT, N.D.

Using natural sorbents for the adsorption of certain fluid vapors.
Bent. gliny Ukr. no.2:108-115 '58. (MIRA 12:12)

1.Donetskiy industrial'nyy institut.
(Adsorption)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

KARCHAGINA, Ye.A.; STRELETS, N.M.; SHNEYDER, F.A.; GAMEYEVA, Z.S.; KRIVKO, A.N.; KOTENKO, K.I.; AGHAYEVA, R.V.; GAYVORONSKAYA, N.M.

Effectiveness of the compound treatment of chronic dystrophic polyarthritis in miners at Sochi-Matsesta Health Resort at various seasons of the year. Vop. kur., fizioter. i lech. fiz. kul't. 24 no.6:503-506 N-D '59. (MIRA 15:1)

1. Iz sanatoriya imeni S. Ordzhonididze v Sochi (dir. D.A.Bershadskiy) nauchnyy rukovoditel' - prof. M.M.Shikhov).
(ARTHRITIS) (MINERS--DISEASES AND HYGIENE)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYVORONSKAYA, O.I.

Analysis of unfinished construction in the metallurgical, petroleum refining and coal industries. Trudy MIEI no.15:354-362 '61. (MIRA 14:12)

1. Rukovoditel' sektora TSentral'nogo nauchno-issledovatel'skogo ekonomicheskogo instituta Gosplana RSFSR.
(Construction industry)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

PALIY, A. A.; GAYVORONSKAYA, V.I.

Testing various types of insect nets. Sbor. ent. rab. no.2: 92-99 '62 (MIRA 17:7)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

KADANER, L.Z.; DIK, T.A.; GAYVORONSKAYA, V.K.

Determining the porosity of a lacquer film on tin plate. Zav. lab. 30 no.8:962-963 '64. (MIRA 18:3)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

KADNAER, L.I.; DIK, T.A. [Dik, T.O.]; GAVVORONSKAYA, V.K. [Halvorons'ka, V.K.]

Methods for determining the porosity of lacquer films on tin plate. Khar. prom. no.3:35-36 Jl-S '65. (MIRA 18:9)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

YASNIKOV, A.A.; GAYVORONSKAYA, Ye.M.

Catalytic action of amino acids and amines in organic reactions. Part 3: Kinetics and mechanism of the formation and decomposition of benzalmalonic esters in the presence of amino acids. Ukr. khim. zhur. 27 no.4:506-518 '61. (MIRA 14:7)

1. Institut organicheskoy khimii AN USSR.
(Malonic acid) (Amino acids)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

YASNIKOV, A.A.; MATKOVSKIY, K.I.; GAYVORONSKAYA, Ye.M.

Catalytic action of amines and amino acids. Part 4. Kinetics and mechanism of crotonic condensation of butyraldehyde in the presence of glycocoll. Ukr. khim. zhur. 28 no.1:88-94 '62. (MIRA 16:8)

1. Institut organicheskoy khimii AN UkrSSR.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYVORONSKAYA, Z.I.

CH

Tannides of grapes and their diffusion into wines. A. V. Korotkevich, Z. I. Galvoronskaya, and A. P. Kravchenko (All-Union Sci. Research Inst. Vinicult. and Viticult., "Magarach," Yalta, Crimea). *Biokhim. Vinodeliya, Akad. Nauk S.S.S.R., Sbornik* 3, 26-42(1950).--The method of Korotkevich (*Vinodelie i Vinogradarstvo S.S.S.R.* No. 10 (1946)) for detn. of the total amt. of tannides (I) in grapes and wines was modified to det. separately the tannin (II) and the coloring substances (III) constituting I. In 40 different red-varieties of grapes investigated the amt. of I varied from 235 to 2230 mg./100 g. berries with an av. of 1377 mg. for 1946 (dry summer) and 509 mg. for 1947 vintage (normal weather), resp.; the amt. of I per 100 g. of peels was on an av. 3.5 and 1.96, while that of seeds was 17.7 and 0.9 g., resp. Nearly $^2/_3$ of I of grapes are located in the seeds. In peels, the amt. of III was 3.4% (in 1946) and 8.0% of I (in 1947). From 2 to 40% of the grape I diffused into wine during the fermentation, mainly at the expense of the peel's I. The diffusion was increased by a thorough crushing of the grape peels and seeds, by warming the grape pulp, and by increasing the alc. concn. of the medium to 10-15%. In wines, the amt. of II and III varied from 0.35 and 0.05 to 2.04 and 0.34, with an av. of 1.08 and 0.16 g./l., resp. The amt. of III in some wines was as high as 23% of I. E. Wierbicki

(2)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYVORONSKAYA, Z. I.

CH

Storing of wines in small-scale production. Z. I. Gaivoronskaya. *Vinodelie i Vinogradarstvo S.S.S.R.* 14, No. 2, 16-19(1954).—If one uses small quantities of grapes (0.5 to 15 kg.) for the production of wine, it is advisable to store the wine in glass bottles (instead of in oak barrels). Though the percentage of alc. thereby increases by 0.2-0.4 vol. % and the sugar content decreases (0.2-0.6%), the estn. of all properties of wines justifies the use of glass vessels.

E. Markus

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYVORONSKAYA, Z. I.

Pectins in must. Z. I. Gavoronskaya. *Vinodelie i Vinogradarstvo S.S.S.R.* 15, No. 8, 12-10(1955).—The grapes studied were 14 Crimean varieties. Data are given for the content of pectins, amts. of which vary from 0.111 to 2.815 g./l. must. Results of exptl. investigation showed that the content of pectins in the must does not affect the quality of wines.

M. Charmandarian

Med

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYVORONSKAYA, Z.I.; MISHCHENKO, I.L.

Results obtained from investigating grape varieties of the ampelographical collection of "Magarach". Trudy VNIIViV "Magarach" 8: 221-279 '59. (MIRA 14:1)

(Grapes--Varieties)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYVORONSKAYA, Z.I.

Changes in the content of tannic and nitrogen substances in the course of the cuvage and fermentation of must on a white variety of grape pulp. Trudy VNIIViV."Magarach" 9:145-152 '60. (MIRA 13:11)

(Tannins) (Wine and wine making)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

POPOV, K.S., kand. tekhn. nauk; GAYVORONSKAYA, Z.I.; UMANETS, V.P.; NILOV, V.I.; VALUYKO, G.G.; OKHREMENKO, N.S.; ZHDANOVICH, G.A.; DATUNASHVILI, Ye.N.; SERHINOVA, N I.; MARCHENKO, G.S.; KURAKSINA, N.K.; TYURIN, S.T.; TYURINA, L.V.; KRIMCHAR, M.S.; RAZUVAYEV, N.I.; OGORODNIK, S.T.; MIKHAYLOV, S.M.; ZHILYAKOVA, O., red.; GLIKMAN, N., red.; FISENKO, A., tekhn. red.;

[Wine making; manual for the workers of wineries on state and collective farms in the Crimea] Vinodelie; rukovodstvo dlia rabotnikov vinodel'cheskikh zavodov sovkhozov i kolkhozov Kryma. Simferopol', Krymizdat, 1960. 415 p. (MIRA 16:3)
(Crimea--Wine and wine making)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYVORONSKAYA, Z. I.

Cand Tech Sci - (diss) "Technological chemical evaluation of new wine varieties of grapes and the methods involved therein." Krasnodar, 1961. 16 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Krasnodar Inst of the Food Industry); 200 copies; price not given; list of author's works on pp 15-16 (13 entries); (KL, 7-61 sup, 234)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYVORONSKAYA, Z.I.

Extract as indicator of the quality of desert wines and its changes in the course of grape ripening. Biokhim. vin. no.7:43-57 '63. (MIRA 16:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut vinodeliya i vinogradarstva "Magarach".
(Wine and wine making) (Plants—Chemical analysis)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYVORONSKAYA, Z.I.

Use of Soviet diatomaceous earth for the filtration of wine and juices. Trudy VNIIViV "Magarach" 13:113-122 '64.

(MIRA 17:12)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYVORONSKAYA, Z.M.

Vegetable reproduction of Japanese persimmon in the Vakhsh Valley. Biul. Glav. bot. sada no.45:101-104 '62. (MIRA 16:2)

1. Vakhshskaya zonal'no-opytnaya stantsiya Instituta sadovodstva AN Tadzhikskoy SSR.
(Vakhsh Valley—Persimmon)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYVORONSKAYA, Zinaida Mikhaylovna [deceased]; ZAPRYAGAYEVA, Vera Ivanovna; ISMAILOV, Makhmud Ismailovich; ROZANOV, Boris Sergeyevich; RASULOVA, M.R., otv. red.

[Nut trees in Tajikistan] Orekhoplodnye v Tadzhikistane. [By] Z.M.Gaivoronskaia i dr. Dushanbe, Izd-vo AN Tadzhik SSR 1965. 100 p. (MIRA 18:6)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYVORONSKIY, A.A.; YUZBASHEV, G.S.; VLADIMIROV, K.A.

Laboratory investigation of the effect of a cement ring on the resistance of casing to external pressure. Trudy VNIIBT no.9:43-48 '63. (MIRA 17:9)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYVORONSKIY, A.A

AID P - 3277

Subject : USSR/Mining

Card 1/1 Pub. 78 - 7/24

Author : Gayvoronskiy, A. A.

Title : Experience in drilling an exploratory well in the presence of absorbing layers

Periodical : Neft. khoz., v. 33, #9, 33-35, S 1955

Abstract : A case is described when in drilling an exploratory well highly absorbing layers were encountered which quickly absorbed mud fluids of usual consistency. Therefore a special, fast setting drilling mixture was tried in which cement, liquid glass, etc. were included. A table shows the composition of all mixtures which were tried and the results.

Institution : None

Submitted : No date

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYVORONSKIY, A.A., nauchnyy sotrudnik; DYUKOV, L.M., nauchnyy sotrudnik.

Combating water infiltration. Neftianik 1 no.1:15-16 Ja '56. (MIRA 9:7)

1.Vsesoyuznyy nauchno-issledovatel'skiy institut bureniya nefti.
(Oil well drilling)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYVORONSKIY, A.A.; SHAYDEROV, B.M.

Classification of absorption zones. Neft.khoz.34 no.7:15-18 Jl '56. (MLRA 9:10)
(Oil well cementing)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYVORONSKIY, Al'bert Anatol'yevich; BULAKH, G.I., redaktor; KOVALEVA, A.A., vedyshchiy redaktor; MUKHINA, Z.A., tekhnicheskiy redaktor.

[The struggle with loss of drilling fluids in well drilling; a lecturer's manual] Bor'ba s ukhodom promyvochnoi zhidkosti pri burenii skvazhin; v pomoshch' lektoru. Moskva, Gos.nauchno-tekhn. izd-vo neft.i gorno-toplivnoi lit-ry, 1957. 35 p. (MIRA 10:4)
(Oil well drilling fluids)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYVORONSKIY, A.A., starshiy inzhener.

Cementing a zone of infiltration through the drill casing. Neftianik 2 no.1:6-9 Ja '57. (MLRA 10:2)

1. VNIIburneft'.
(Oil well cementing)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYVORONSKIY, A.A.

GAYVORONSKIY, A.A.; DYUKOV, L.M.; PRUTYANOV, I.P.

Cementing absorption zones. Neftianik 2 no.12:10-12 D '57. (MIRA 11:2)

1. Sotrudniki Vsesoyuznogo nauchno-issledovatel'skogo instituta Burtekhniki.

(Oil well cementing)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

VADETSKIY, Yuriy Vyacheslavovich; GAYVORONSKIY, Al'bert Anatol'yevich; PETROVA, Ye.A., vedushchiy red.; POLOSINA, A.S., tekhn.red.

[Controlling the absorption of drilling fluids and the caving in of walls in well drilling; practices of drillers of Tataria] Bor'ba s pogloshcheniiami promyvochnoi zhidkosti i obvalami v burenii; opyt burovikov Tatarii. Moskva, Gos.nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1959. 79 p. (MIRA 12:3) (Oil well drilling fluids) (Tatar A.S.S.R.--Oil well cementing)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYVORONSKIY, A. A. Cand Tech Sci -- (diss) "Certain problems of the theory and practice of the isolation of absorbing ~~strata~~ levels during the drilling of ~~petroleum~~ wells." Mos, 1959. 16 pp (Acad Sci USSR. Inst of Geology and ~~Working~~ Mining of Combustible Minerals), 150 copies. List of author's works at end of text (17 titles) (KL, 46-59, 137)

27

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

TITKOV, Nikolay Iosifovich; GAYVORONSKIY, Al'bert Anatol'yevich; LATUKHINA, Ye.I., vedushchiy red.; GANINA, L.V., tekhn.red.

[Sealing absorption horizons in well drilling] Izoliatsiia pogloshchaiushchikh gorizontov pri burenii skvazhin. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1960. 184 p. (MIRA 13:9)

(Oil well drilling fluids)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYVORONSKIY, A.A., inzh.

Determination of the setting periods of quick-setting cement mixtures. Neftianik 5 no.8:6-8 Ag '60. (MIRA 14:8)

1. VNIIburtekhniki.
(Oil well cementing)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYVORONSKIY, Al'bert Anatol'yevich; ISAYEVA, V.V., ved. red.; BASHMAKOV, G.M., tekhn.red.

[Casing oil and gas wells in the United States]Kreplenie neftianykh i gazovykh skvazhin v SShA. Moskva, Gostoptekhizdat, 1962. 175 p. (MIRA 15:9)
(United States—Oil well casing)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

YASASHIN, Anatoliy Mikhaylovich; GAYVORONSKIY, A.A., red.; LAVROV, N.I., ved. red.

[Eliminating sand plugs in oil wells] Likvidatsiia peschanykh probok v neftianykh skvazhinakh. Moskva, Izd-vo "Nedra," 1964. 150 p. (MIRA 17:7)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

YUZBASHEV, G.S.; GAYVORONSKIY, A.A.

Possible ways of saving metals used for the bracing of oil and gas wells. Neft. khoz. 42 no. 3:10-15 Mr '64. (MIRA 17:7)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

VLADIMIROV, K.A.; GAYVORONSKIY, A.A.; YUZBASHEV, G.S.; BAYKOV, A.M.; SHANOVICH, L.P.; LOGVINOV, I.I.; IL'IN, N.G.; SAFIULLIN, M.N.

Effect of a cement ring on the capacity of casing strings to resist collapsing loads. Neft. khoz. 42 no.6:19-24 Je '64. (MIRA 17:8)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

GAYVORONSKIY, A.A.

Molding pressures required for the quality control of drilling strings. Trudy VNIIBT no.12:102-104 '64. (MIRA 18:4)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2

FARUKSHIN, L.Kh.; GAYVORONSKIY, A.A.

Investigating the oval shape and wall thickness of full-scale casing pipes. Trudy VNIIBT no.14:44-48 '65. (MIRA 18:5)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000514530001-2"