APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

BARMENKOV, A.S.; FEDOTOVA, M.V.; YEROSHIN, V.K.; GUSAKOVA, Ye.G.; OGAREVA, O.B.

Improved method for producing 11- -hydrozyprogesterone. Med. prom. 15 no.3:39-40 Mr '61. (MIRA 14:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut imeni S.Ordzhonikidze.
(PROGESTERONE)

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SUVOROV, N.N.; FEDOTOVA, M.V.; OGAREVA, O.B.; BALASHEVA, Ye.G.

Indole deravatives. Part 9: New synthesis of 6-methoxytryptamine. Zhur. ob. khim. 30 no.9:3118-3123 S '60. (MIRA 13:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut imeni S. Ordzhonikidze.
(Tryptamine)

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OGANEVA, N.V.

Determination of chlorine in the presence of sulfur in petroleum products and additives to lubricants. Khim.sera i azotorg.soed sod.v neft.i nefteprod. 3:151-154 '60. (MIRA 14:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti i gaza i polucheniyu iskusstvennogo zhidkogo topliva.
(Chlorine--Analysis) (Petroleum products)
(Lubrication and lubricants--Additives)

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A More Accurate Definition of the Volume Calcium Hydride Method for Determining the Water Content in Fuels. SOV/65-58-3-14/14

results of parallel tests on the older and modified apparatus given in Table 2. The new method was accepted by the USSR Standard Committee (Komitet standartov mer i izmeritel'nykh priborov pri Sovete ministrov soyuza SSR) as the Standard GOST 3237-57. There is 1 Figure, and 2 Tables.

1. Fuels---Moisture content 2. Calcium hydride---Chemical reactions
3. Water--Chemical reactions 4. Fuels--Testing equipment

USSR

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

SOV/65-58-8-14/14

AUTHORS: Lysenko, T. D.; Malanicheva, V. G.; Ogareva, N. V.; Tararyshkin, K. Ye; Tugolukov, V. M. and Shchetsko, M. I.

TITLE: A More Accurate Definition of the Volume Calcium Hydride Method for Determining the Water Content in Fuels. (Utochneniye ob"yemnogo gidridkal'tsiyevogo metoda opredeleniya soderzhaniya vody v toplivakh).

PERIODICAL: Khimiya i Tekhnologiya Topliv i Masel, 1958, Nr.8. pp. 71 - 73. (USSR).

ABSTRACT: Experiments were carried out to compare different variations in the V-method and P-method for measuring the pressure of hydrogen separated during the interaction of calcium hydride and water. The following types of apparatus were used: V-method: apparatus by V. M. Tugolukov and the one designed by VNII NP and the Institute im. P. I. Baranov; P-method: apparatus by T. D. Lysenko and the device designed by the Institute of Petroleum, AS USSR (Institut Nefti AN SSSR). The time required for testing various synthetic mixtures as listed in Table 1 varied between 3 - 4 hours. Various modifications of the VNII NP device and the apparatus designed by the Institute im. P. I. Baranov are suggested (Fig.1). The accuracy of the new apparatus for the V-method was tested and

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ILLEGIBLE

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TOPIC TAGS: petroleum coke, pore structure, coking temperature, pore dimension

ABSTRACT: The change in the structure of the pores in petroleum coke coked at temperatures in the 400-3000C range was investigated. The total pore volume increased on increasing the coking temperature, and the relationship between the micropore and intermediate pore volumes and the pore configuration changed. The total volume of micro- and intermediate pores, which was maximum at coking temperatures of 400-1100C, did not change with increasing temperature as fast as the total pore volume. Electron microscopic studies confirmed that micropores are [illegible]

ACCESSION NR: AP4 [illegible]

of 30-50 A radius and intermediate channel shaped pores of 100-200 A radius

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Card 3/3

ACCESSION NR: AP4047984 S/0079/64/038/010/2455/2462

AUTHOR: Fialkov, A. S.; Gumilevskaya, G. P.; Chekanova, V. D.; Smirnov, B. N.; Ogarev, N. N.; Petukhova, S. P.

TITLE: The dependence of the change of pore structure of petroleum cokes on coking temperature

SOURCE: Zhurnal fizicheskoy khimii, v. 38, no. 10, 1964, 2455-2462

TOPIC TAGS: petroleum coke, pore structure, coking temperature, pore dimen-

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the components of coke, including the volume and dimensions of the macropores. The linear thermal expansion of the unmolded cokes was higher than that of the heat treated cokes. The distribution of the specific volumes of intermediate and micro pores in coke-pitch compositions was regulated to some extent by changing the temperature to which the coke powders had been heated. Fresh tiling of coke-pitch samples increased their open porosity while reducing the closed porosity. Orig. art. has: 9 figures, 1 table and 7 equations.

ASSOCIATION: None

Card 2/3

L 16115-65

ACCESSION NR: AP4045193

SUBMITTED: 01 Oct 62

SUB CODE: MT

ENCL: 00

NR REF SOV: 008

OTHER: 003

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were then mixed at 125C with 30-40 vol.% of coal tar pitch, the 10-0 micron fraction was compressed at 2000 kg/cm², heated at 950C and graphitized at 2800C. The distribution of intermediate (about 40-

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L 16189-65
ACCESSION NR: AP4045193

200Å) and macro pores (over 200Å), was determined. The pyrolysed petroleum coke had a much greater volume of intermediate pores and significantly smaller volume of macropores than cracked petroleum coke. Graphitized coke-pitch compositions had both mono- and poly-dispersed (mostly bidispersed) pore structures. By increasing the amount of binder and increasing the dimensions of the coke particles, the pore structure was changed to the monodispersed. Heat treating the coke caused a very rapid increase in the specific volume of macropores and in the absolute value of the maximum of their distribution in comparison to the uncalcined coke. In the uncalcined coke

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L 16189-65 EWG(j)/EWP(e)/EWT(m)/EPF(c)/EPR/EWP(j)/T-2/EWP(b) Pc-4/Pr-4/
Ps-4 WW/RM/WG

ACCESSION NR: AP4045193 S/0080/64/037/009/1994/2003

AUTHORS: Fialkov, A.S.; Gumilevskaya, G.P.; Ogareva, N.N.

TITLE: Investigation of the distribution of pores according to their dimensions in coke-binder compositions. Communication I. In a series of investigations on the forming of pore structures in carbon-graphitized materials.

SOURCE: Zhurnal prikladnoy khimii, v. 37, no. 9, 1964, 1994-2003

TOPIC TAGS: coke, coke binder composition, coke pitch composition, pore formation, pore size distribution, petroleum coke, pitch coke, intermediate size pore, macropore, linear thermal expansion

ABSTRACT: The relationship between pore size distribution and con-

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FIALKOV, A.S.; GUMILEVSKAYA, G.P.; OGAREVA, N.N.

Distribution of pore volumes by their dimensions in coke-binder compositions. Zhur. prikl. Khim. 37 no.9:1994-2003 S '64.
(MIRA 17:10)

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BUSEV, A.I.; OGAREVA, M.B.

Reaction of chloride and bromide complexes of tetravalent rhenium with butyl rhodamine B. Zhur. neorg. khim. 10 no.7:1731-1734 Jl '65. (MIRA 18:8)

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ASSOCIATION: Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut redkometallicheskoy promyshlennosti (State, Scientific Research, Design, and Planning Institute of the Rare Metals Industry)

Table 1: Permissible concentration of foreign elements in the colorimetric beryllium determination by Aluminon.

Element	Amount	
	with Complexone	without Compl. (Ref. 8)
Cu	1000	0
Ni	1000	40
Co	1000	90
Cd	200	6
Pb	5000	6

Element	Amount	
	with Compl.	without Compl.
Mn	500	130
Al	50	0
Fe (III)	50	0
Cr (III)	200	0
Bi	100	0
Ti	50	no data

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

S/032/62/028/008/002/014
B107/B180

AUTHORS: Tsyvina, B. S., and Ogareva, M. B.

TITLE: Colorimetric determination of beryllium in niobium-base alloys by Aluminon reaction

PERIODICAL: Zavodskaya laboratoriya, v. 28, no. 8, 1962, 917-919

TEXT: The optimum conditions were studied, for the colorimetric determination of 2-50 μg Be in 50 ml. The optimum pH value is 4.6-5.4; at least 2 ml 4% Aluminon solution is required. Besides this, up to 100 mg Complexone may be added without affecting the color intensity. The Complexone is used to mask foreign ions, except for niobium (see Table 1) which is kept in solution by tartaric acid. The colorimetric determination is conducted at λ = 506 mμ. The results are easily reproducible. S. I. Plyushchikova assisted in the experiments. There are 2 figures and 2 tables. The most important English-language reference is: A. Mykherje, A. Dey. Chim. Analyt. 40, 8, 299 (1958).

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OGAREV, V.F., agronom

Fallow strip system for winter wheat. Zemledelie 26 no.8:20-21 Ag '64. (MIRA 17:11)

1. Sekretar' Penzenskogo sel'skogo oblastnogo komiteta Kommunisticheskoy partii Sovetskogo Soyuza.

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SAVEL'YEV, S.I., prof.; OGAREV, V.F.

Effect of fallow soil compaction on the wintering of crops. Zemledelie 6 no.6:35-37 Je '58. (MIRA 11:6)

1. Direktor Kevdinskoy mashinno-traktornoy stantsii, Penzenskoy oblasti.

(Plants—Frost resistance)

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OGAREV, V.F.

OGAREV, V.F.

Sowing winter wheat after a strip crop-fallow combination. Zemledelie 5 no.8:46-48 Ag '57. (MLRA 10:9)

1. Direktor Kevdinskoy mashinno-traktornoy stantsii, Penzenskoy oblasti.

(Wheat) (Rotation of crops)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

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TRAPEZNIKOV, A.A.; OGAREV, V.A.

Monolayers of higher secondary alcohols at the water - air interface. Zhur. fiz. khim. 39 no.3:722-728 Mr '65. (MIRA 18:7)

1. Institut fizicheskoy khimii AN SSSR.

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

TRAPEZNIKOV, A.A.; OGAREV, V.A.

Monolayers of alcohols synthesized by the Bashkirov method as water evaporation depressants. Zhur. prikl. khim. 37 no.9: 2028-2035 S '64. (MIRA 17:10)

1. Institut fizicheskiy khimii AN SSSR.

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

OGAREV, V.A.; TRAPEZNIKOV, A.A.

Oxyethylation of synthetic alcohols in order to improve the properties of monomolecular layers depressing the evaporation of water. Dokl. AN SSSR 148 no.3:647-650 Ja '63. (MIRA 16:2)

1. Institut fizicheskoy khimii AN SSSR. Predstavleno akademikom S.I. Vol'fkovichem.

(Alcohols) (Ethylation)

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TRAPEZNIKOV, A.A.; OGAREV, V.A.

Two-dimensional pressure and the capacity of reducing water evaporation from monolayers in normal and secondary hexadecanol mixtures. Dokl. AN SSSR 148 no.1:162-165 Ja '63.

(MIRA 16:2)

1. Institut fizicheskoy khimii AN SSSR. Predstavleno akademikom A.N. Frumkinym.

(Hexadecanol) (Evaporation)

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Determination of the molecular ... S/076/62/036/012/002/014
B101/B180

tables. The most important English-language references are: H. B. Bull, Advances Protein Chem., 3, 95, 1946; H. B. Bull, J. Biol. Chem., 185, 27, 1950.

ASSOCIATION: Akademiya nauk SSSR, Institut fizicheskoy khimii (Academy of Sciences USSR, Institute of Physical Chemistry)

SUBMITTED: March 29, 1961

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

S/076/62/036/012/002/014
B101/B180

AUTHORS: Ogarev, V. A., and Trapeznikov, A. A. (Moscow)

TITLE: Determination of the molecular weight of polymers by the monolayer method

PERIODICAL: Zhurnal fizicheskoy khimii, v. 36, no. 12, 1962, 2644 - 2652

TEXT: The molecular weights of hydroquinone polyesters of phenyl phosphinic, methyl phosphinic, and phenoxy phosphinic acids were determined by the monolayer method. The molecular weight determined viscosimetrically was ~12.000. The curves F versus a and a versus F were plotted, F being the surface pressure and a the area. The course of these curves was found to depend on the amount and concentration of the polyester solution applied to the water surface. Owing to the association of molecules the molecular weight calculated from these curves was found to increase with the amount and concentration of the polymer solution. The values are affected by molecular interactions of the polymers in the monolayer, even with very low concentrations (0.01045%) and amounts (0.00059 mg). This means that considerably care is needed for this method. There are 4 figures and 4

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PETROV, A.D.; TRAPEZNIKOV, A.A.; NIKISHIN, G.I.; OGAREV, V.A.

Alcohols and the properties of their monomolecular layers in protecting reservoir water from evaporation. Dokl.AN SSSR 138 no.6:1395-1398 Je '61. (MIRA 14:6)

1. Institut organicheskoy khimii AN SSSR i Institut fizicheskoy khimii AN SSSR. 2. Chlen-korrespondent AN SSSR (for Petrov).
(Alcohols) (Water-storage) (Evaporation)

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KRYLOVA, I.V.; OGAREV, V.A.; KOBOZEV, N.I. (Moscow)

Effect of the nature of gas on the photocatalytic activity of platinum catalysts. Zhur.fiz.khim. 35 no.10:2311-2315 O '61. (MIRA 14:11)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.
(Photochemistry) (Catalysts) (Platinum)

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OGAREV, V.A.; TRAPEZNIKOV, A.A.

Apparatus for measuring the surface tension of liquids at the interface of a gas phase in the case of large surfaces. Zav.lab. 28 no.7:881-883 '62 (MIRA 15:6)

1. Institut fizicheskoy khimii AN SSSR.
(Surface tension)

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TRAPEZNIKOV, A.A.; OGAREV, V.A.

Structure and properties of the monomolecular layers formed by polyesters of phosphinic acids and hydroquinone. Vysokom. soed. 3 no.11:1708-1715 N '61. (MIRA 14:11)

1. Institut fizicheskoy khimii AN SSSR.
(Phosphinic acid) (Hydroquinone) (Esters)

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The Effect of the Electronic Properties of the Carrier on the Photosensitivity of Platinum Catalysts

S/076/60/034/011/002/024
B004/B064

to be due to photo-ionization of the active platinum atoms and their transition into inactive forms of ions. The photosensitivity of the platinum catalysts depends on the electronic properties of the carrier. The broader the forbidden zone of the dielectric carrier, the more difficult is the return of the electrons to the ionized centers, the higher is the concentration of the photoionized, deactivated Pt atoms and, accordingly, the greater is the decrease of activity. If, instead of a dielectric (silica gel), a semiconductor (carbon, germanium) or a metal (Bi, Pt) is used as a carrier, the smaller forbidden zone in semiconductors and the absence of a forbidden zone in metals will increase the probability of a return of the electrons to the ionized platinum atom, and the effect of light will decrease. Therefore, Pt on silica gel showed the highest, on carbon or Ge a medium, and on platinum black the least decrease of catalytic activity after exposure to light. I. A. Zubovich is mentioned. There are 8 figures and 6 references: 5 Soviet and 1 US.

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

SUBMITTED: January 17, 1959

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86778

5.1190 2209, 1208, 1297

S/076/60/034/011/002/024
B004/B064

AUTHORS: Krylova, I. V., Ogarev, V. A., and Kobozev, N. I. (Moscow)

TITLE: The Effect of the Electronic Properties of the Carrier on the Photosensitivity of Platinum Catalysts

PERIODICAL: Zhurnal fizicheskoy khimii, 1960, Vol. 34, No. 11, pp. 2408 - 2413

TEXT: In contrast to the negative results of other researchers, the authors succeeded in proving that preceding exposure to light of metal catalysts, i.e., of platinum on silica gel or platinum black, reduces their activity (Ref. 4). The present paper deals with the photo-effects of a platinum catalyst applied to various carriers. Boneblack, germanium, and bismuth were such catalysts. Their activity was determined by measuring the decomposition rate of H_2O_2. The light source was a ПРК-2 (PRK-2) lamp. A comparison of the results obtained for Pt on silica gel and platinum black with those of Ref. 4 led to the following conclusions: The decrease in the catalytic activity of platinum during exposure to light is assumed

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

Concerning the Intensification of the Red Lead Manufacturing Process. Communication I From a Series of Investigations of Heterogeneous Reactions

77504
SOV/80-33-1-13/49

2.5 times due to the increase of the diffusion rate. The oxidation of litharge is fluidized bed should be conducted, therefore, under a simultaneous and corresponding increase of temperature and oxygen pressure. There are 3 figures; 4 tables; and 9 references, 1 U.S., 8 Soviet. The U.S. reference is: I. W. Mellor, A Comprehensive Treatise on Organic and Theoretical Chemistry, 7, 669 (1947).

SUBMITTED: July 8, 1959

Card 9/9

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

Concerning the Intensification of the Red Lead Manufacturing Process. Communication I From a Series of Investigations of Heterogeneous Reactions

77504
SOV/80-33-1-13/49

$$D = \frac{\xi^2}{\tau} \cdot \frac{\varepsilon \cdot \sqrt{\pi}}{4\Delta c} \cdot \frac{\Phi\left(\frac{p}{2\sqrt{D}}\right)}{\frac{p}{2\sqrt{D}} \cdot e^{-\frac{p^2}{4D}}} \qquad (4)$$

or

$$D = \text{const} \cdot \frac{\Phi(y)}{y \cdot e^{-y^2}}, \qquad (4a)$$

where

$$y = \frac{p}{2\sqrt{D}} \qquad (4b)$$

and

$$\text{const} = \frac{\xi^2}{\tau} \cdot \frac{\varepsilon\sqrt{\pi}}{4\Delta c} = p^2 \frac{\varepsilon\sqrt{\pi}}{4\Delta c} \cdot \qquad (4c)$$

By introducing auxiliary functions and some experimental data, the value of the coefficient of diffusion D at various temperatures can be determined graphically from Eq. (4). It was found that raising the temperature from 480° C to 560° C under 1 atm oxygen pressure (5 atm air pressure) should increase the rate of reaction

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Concerning the Intensification of the Red Lead Manufacturing Process. Communication I From a Series of Investigations of Heterogeneous Reactions

77504
SOV/80-33-1-13/49

$$\frac{D \cdot \Delta c}{\Phi\left(\frac{p}{2\sqrt{D}}\right)} \cdot \Phi'(z)_{z=0} = \varepsilon \frac{\partial \xi}{\partial \tau}, \text{ where } \Phi'(z)_{z=0} = \frac{\partial}{\partial z}[\Phi(z)]_{z=0}.$$

hence,

$$\frac{D \cdot \Delta c}{\Phi\left(\frac{p}{2\sqrt{D}}\right)} \cdot \frac{e^{-\frac{p^2}{4D}}}{\sqrt{\pi \cdot D \cdot \tau}} = \varepsilon \frac{\partial \xi}{\partial \tau}.$$

The replacement of $\sqrt{\tau}$ in the denominator of the left side of the equation by its value obtained from (3), and integration from x = 0 and $\tau = 0$ to ξ and τ, gave:

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It is evident that B is constant if:

$$\xi = p\sqrt{\tau}. \tag{3}$$

where p is some constant. Hence,

$$B = \frac{c_p - c_0}{\Phi\left(\frac{p}{2\sqrt{D}}\right)}.$$

By introducing $-\Delta c = c_p - c_0$, and substituting the value of B into Eq. (2), the expression $\frac{\partial c}{\partial x}_{x=\xi}$ can be found and substituted in Eq. (1):

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Concerning the Intensification of the Red Lead Manufacturing Process. Communication I From a Series of Investigations of Heterogeneous Reactions

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$$\Phi(z) = \frac{1}{\sqrt{\pi \cdot D \cdot \tau}} \int_0^{\frac{z}{2\sqrt{D\tau}}} e^{-\frac{x^2}{4D\tau}} dx.$$

By introducing the initial and boundary limits, one obtains:

at $\tau = 0$ and $= 0$ $\Phi(z) = 0$ and $c_0 = A$,

at $\tau > 0$ and $x = \xi$ $c_p = c_0 + B \cdot \Phi(z)_{x=\xi}$.

From the latter equation,

$$B = \frac{c_p - c_0}{\Phi(z)_{x=\xi}} \quad \text{or} \quad B = \frac{c_p - c_0}{\Phi\left(\frac{\xi}{2\sqrt{D\tau}}\right)}.$$

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Concerning the Intensification of the Red Lead Manufacturing Process. Communication I From a Series of Investigations of Heterogeneous Reactions

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$$\frac{\partial c}{\partial \tau} = D\frac{\partial^2 c}{\partial x^2}$$

is given in the form:

$$c = A + B \cdot \Phi(z), \qquad (2)$$

where

$$\Phi(z) = \frac{2}{\sqrt{\pi}}\int_0^z e^{-z^2}dz, \qquad z = \frac{x}{2\sqrt{D\tau}},$$

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Hence,

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$$\text{At all } \tau = 0,\ x = 0,\ \xi = 0,\ c = c_0;$$

$$\tau > 0,\ x = \xi,\ c = c_p;$$

$$\text{at } x = \xi,\ -D\left(\frac{\partial c}{\partial x}\right)_{x=\xi} = \varepsilon\frac{\partial \xi}{\partial \tau}. \qquad (1)$$

where x is reaction coordinate; ζ, thickness of reaction product (Pb_3O_4) layer; τ, time; c_o, c, and c_p, oxygen concentrations at the particle's surface, in the lead tetroxide layer, and at the surface of the reaction, respectively; ε, stoichiometric constant which is a function of the density of lead tetroxide $\gamma_{Pb_3O_4}$ and of the molecular weights of lead tetroxide $\mu_{Pb_3O_4}$ and oxygen μ_{O_2}, and equals 0.212. The solution of the diffusion equation:

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this lead tetroxide layer and comes into contact with a still unreacted, deeper layer of PbO. Since the surface oxidation proceeds much faster than the diffusion of oxygen into the inner layers, it can be assumed that the rate of reaction is governed by the rate of oxygen diffusion. The linear diffusion can be described by the following limit conditions (see Fig. 1):

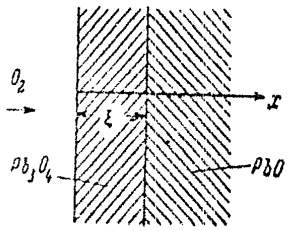

Fig. 1. Diffusion of oxygen through a lead tetroxide layer.

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AUTHORS: Ravdel', A. A., ~~Ogarev, N. V.~~

TITLE: Concerning the Intensification of the Red Lead Manufacturing Process. Communication I From a Series of Investigations of Heterogeneous Reactions

PERIODICAL: Zhurnal prikladnoy khimii, 1960, Vol 33, Nr 1, pp 70-76 (USSR)

ABSTRACT: As reported previously by one of the authors (Tr. LTI imeni Lensoveta, 1959, Vol 50, p 274), the preparation of red lead according to the reaction:

$$3PbO + \frac{1}{2} O_2 \rightleftarrows Pb_3O_4,$$

conducted in fluidized bed at about 480° C, proceeded 7-8 times faster than under the usual technological conditions. The first stage of the reaction i.e., the formation of an oxidized layer on the surface of the litharge particles, takes only about 7% of the total time of reaction. Subsequently, oxygen diffuses through

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OGAREV, N.V.

Intensifying the process of the production of red lead. Trudy LTI no.50:274-279 '59. (MIRA 14:3)

(Red lead)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

OGAREV, N. V. Cand Tech Sci -- (diss) "A Study of the Process of Oxidation of Lead Monoxide in the 'Boiling' Layer." Len, 1957. 12 pp with diagrams, 20 cm. (Min of Higher Education USSR, Len Order of Labor Red Banner Technological Inst im. ~~LENSOVETA~~ Lensovet, Chair of the Chemical Industry ~~Plant Facilities~~ Equipment of Plants of), 100 copies (KL, 19-57, 87)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

OGAREV, Mikhail Petrovich; BUTMI, S.Ye., red.; ALMAZOV, V.Z., red. izd-va; SALAZKOV, N.P., tekhn. red.

[Engineering geodesy in municipal communal services] Inzhenernaia geodeziia v gorodskom kommunal'nom khoziaistve. Moskva, Izd-vo M-va kommun.khoz. RSFSR, 1963. 199 p. (MIRA 16:7)

(Surveying)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

ZHUKOV, A.A.; OGAREV, A.P., starshiy nauchnyy sotrudnik; GORYACHKIN, I.I.

Use of high-strength cast iron for loom parts. Tekst. prom. 25 no.12:64-65 D '65. (MIRA 19:1)

1. Glavnyy inzh. Glukhovskogo liteyno-mekhanicheskogo zavoda (for Goryachkin).

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OGAREV, A.P., starshiy nauchnyy sotrudnik

Lengthening the service life of the picking cam point of looms. Tekst. prom. 25 no.8:77 Ag '65. (MIRA 18:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut legkogo i tekstil'nogo mashinostroyeniya.

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

OGAREV, A.P., starshiy nauchnyy sotrudnik; KORZINKIN, N.S., inzh.

Wear resistance of the wrought iron parts of automatic looms. Tekst.prom. 25 no.1:77-78 Ja '65. (MIRA 18:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut tekstil'nogo i legkogo mashinostroyeniya (for Ogarev).

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

OGAREV, A. N.

"Technology of metal zirconium production."

report submitted for 3rd Intl Conf, Peaceful Uses of Atomic Energy, Geneva, 31 Aug-9 Sep 64.

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

A.N. OGAREV (V.V. Shentyakov)

OGAREV, A.N.

"PREPARATION OF DUCTILE ZIRCONIUM BY FUSED SALT ELECTROLYSIS"

by A.N. Ogarev, V. V. Shentyakov

Report presented at 2nd UN Atoms-For-Peace Conference, Geneva, 9-13 Sept. 1958

OGAREV, A.N.

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OCARev, A.N.

21(4) PHASE I BOOK EXPLOITATION SOV/2714

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

Doklady sovetskikh uchenykh; yadernoye goryuchaye i reaktornyye metally. (Reports of Soviet Scientists. Nuclear Fuel and Reactor Metals) Moscow, Atomizdat, 1959. 670 p. (Series: Its: Trudy, vol. 3. 8,000 copies printed.

Ed. (Main ed.): A.A. Bochvar, Academician, A.P. Vinogradov, Academician, V.S. Yemel'yanov, Corresponding Member, USSR Academy of Sciences, and A.P. Zefirov, Doctor of Technical Sciences; Ed. (Inside book): V.V. Pereverzev and G.M. Fchelintseva; Tech. Ed.: E.I. Mamel'.

PURPOSE: This volume is intended for scientists, engineers, physicians, and biologists working in the production and peaceful application of atomic energy; for professors and students of schools of higher technical education where the subject is taught; and for people interested in atomic science and technology.

COVERAGE: This is volume 3 of a 6-volume set of reports on atomic energy presented by Soviet scientists at the Second International Conference on the Peaceful Uses of Atomic Energy, held in Geneva from September 1 to 13, 1958. Volume 3 consists of two parts. The first part, edited by A.I. Zubov, is devoted to geology, prospecting, concentration and processing of nuclear source material. The second part, edited by G.L. Zverev, includes 27 reports on metallurgy, metallography, processing technology of nuclear fuels and reactor metals, and neutron irradiation effects on metals. The titles of the individual papers in most cases correspond word for word with those in the official English language edition on the Conference proceedings. See SOV/2681 for the titles of the other volumes of the set.

Bochvar, A.A., L.G. Kuznetsova, and Y.S. Sergeyev. Self-diffusion of Uranium in the Gamma-phase (Report No. 2300) 370

Bochvar, A.A., S.T. Konobeyevskiy, V.I. Kutaytsev, T.S. Nas'shikova, and N.T. Chebotarev. Plutonium Interaction with Other Metals in Connection with Their Arrangement in Mendeleyev's Periodic Table (Report No. 2197) 376

Konobeyevskiy, S.T., A.S. Zayavskiy, B.M. Levitskiy, Yu.M. Chernyshov, N.T. Chebotarev, Ye. V. Bobkov, P.P. Yapunov, G.N. Nikolayev, and A.A. Ivanova. Some Physical Properties of Uranium and Plutonium and Their Alloys (Report No. 2230) 396

Ogarev, A.N., V.V. Shentyakov, N.G. Alexeyev, E.M. Shtrapenina, and L.A. Stepina. Plastic Zirconium Production by the Electrolysis of Fused Salts (Report No. 2047) 414

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MURAV'YEV, Ivan Vladimirovich; OGAR', Yuriy Sergeyevich; PAL'CHUN, Petr Savel'yevich; ABRAGAM, S.R., inzh., red.

[Machinery and tools for track maintenance and repair] Putevye mekhanizmy i instrument. Moskva, Transport, 1964. 311 p. (MIRA 18:9)

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PHASE I BOOK EXPLOITATION SOV/5293

Nauchno-tekhnicheskaya konferentsiya po razvitiyu proizvoditel'nykh sil Khar'kovskogo ekonomicheskogo administrativnogo rayona, 1958.

Voprosy mashinostroyeniya; trudy konferentsii... (Problems of Machine Building; Transactions of the Scientific Technological Conference on the Development of Productive Forces of the Khar'kov Economic Administrative Region) Kiev, Izd-vo AN UkrSSR, 1960. 184 p. 1,500 copies printed.

Sponsoring Agency: Akademiya nauk Ukrainskoy SSR. Sovet po izucheniyu proizvoditel'nykh sil UkrSSR.

Editorial Board: Resp. Ed.: A.A. Vasilenko, Academician of the Academy of Sciences UkrSSR; A.A. Gorshkov, Corresponding Member, Academy of Sciences UkrSSR; I.M. Postnikov, Doctor of Technical Sciences; S.M. Kutsenko; A.I. Adamenko, Candidate of Technical Sciences; G.M. Davydov, Candidate of Economical Sciences; Ed. of of Publishing House: S.D. Lepkiy; Tech. Ed.: R.A. Buniy.

PURPOSE: This collection of articles is intended for scientific personnel, engineers, technicians, sovnarkhoz workers, and planning organizations.

COVERAGE: The articles deal with problems in technology and techniques in the manufacture of engines, hydraulic turbines, diesel locomotives, tractors, combines, electrical machinery, etc. Considerable attention is given to the following: the development of various types of equipment used for automation in the coal industry; equipment development for the production and use of rectifiers; the development of new accessories for measuring and controlling heat-engineering parameters; and the introduction of advanced methods into founding and die forging. No personalities are mentioned. References accompany some of the articles. There are 20 references: 16 Soviet, 2 German, 1 French, and 1 English.

Glagolev, K.M. [Doctor of Technical Sciences at Khar'kov Polytechnical Institute]. The Present State of and Outlook for the Development of Engine Building 44

Koval', I.A. [Chief Designer at the GSKBD (Gosudarstvennoye Spetsial'noye Konstruktorskoye Byuro Dvigateley - State Special Engine-Design Bureau) in the "Serp i Molot" Plant]. Work Done by the "Serp i Molot" Plant in Khar'kov and by Its GSKBD in the Design of New Tractor and Combine Engines 61

Kashuba, B.P. [Chief Designer at the Khar'kovskiy traktornyy zavod (Khar'kov Tractor Plant)]. The All-Purpose T-75 Caterpillar Tractor 68

Garf, M.E., and O.Yu. Krzhanovskiy [Candidates of Technical Sciences at the Institut liteynogo proizvodstva AN UkrSSR (Institute of Founding AS UkrSSR)]. Investigating the Dynamic Strength of Certain Constructions in the Tractor and Transportation Industries 75

Postnikov, I.M. [Doctor of Technical Sciences at the Institut elektrotekhniki AN UkrSSR (Electrochemical Institute AS UkrSSR)]. Basic Prospects for Research in the Field of Design of New Types of Electric Machinery 87

Perel'muter, M.M. [Candidate of Technical Sciences at the Khar'kov Branch of "Tyazhpromelektroproyekt"]. Prospects for the Development of Electric Drives 92

Problems of Machine Building (Cont.) SOV/5293

Zil'berman, B.Z. [Candidate of Technical Sciences at the Khar'kov Branch of "Tyazhpromelektroproyekt"]. The Use of Computers for Planning Production Processes 96

Sorochenko, V.Ye. [Chief Equipment Designer at the Khar'kovskiy elektromekhanicheskiy zavod (Khar'kov Electromechanical Plant)]. Trends in the Development of Electrical-Apparatus Manufacture at the Khar'kov Electromechanical Plant 99

Yanchuk, G.M. [Candidate of Technical Sciences at Zavod "Krasnyy Metallist" (The Krasnyy Metallist Plant)]. Equipment for Automation in Coal Mining 105

Gran'yan, Ye.P. [Engineer at the Khar'kov Branch of "Tyazhpromelektroproyekt"]. The Use of Mechanical Rectifiers in Electrolytic Processes 115

Lomakin, V.P. [Engineer at the Khar'kov Electromechanical Plant]. The Manufacture of Mechanical Rectifiers 127

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

OGANYAN, V. Z.

Oganyan, V. Z. "A case of polyneuritis of the landra type on a ground of syphilis," Sbornik nauch. trudov Kliniki nerv. bolezney (Yerevansk. gos. med. in-t), I-II, 1948, p. 44[illegible]-46 In Armenian -- Summary in Russian

So: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 13, 1949)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

OGANYAN, V. Z.

Akopyan, A. A., Astvatsaturyan, O. A. and Oganyan, V. Z. "The effect of Dzhermuk mineral water on the peripheral nervous system in traumatic affections," Sbornik nauch. trudov Kliniki nerv. bolezney (Yerevansk. gos. med. in-t), I-II, 1948, p 375-94 -- In Armenian -- Summary in Russian

So: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 13, 1949)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

OGANYAN, V. Z.

Oganyan, V. Z. "Inflammation of the sciatic nerve in connection with quinine injections," Sb nauch. trudov Kliniki nerv. bolezney (Yerevansk. gos. m. in-t), I-II, 1948, p. 347-62 -- in Armenian -- Summary in Russian

So: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 13, 1949)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

OGANYAN, V. Z.

Astbatsaturyan, O. A. and Oganyan, V. Z. "A case of traumatic affection of the premotor zone of the cortex after a gunshot wound of the skull," Sbornik nauch. trudov Kliniki nerv. bolezney (Yerevansk. gos. med. in-t), I-II, 1946, p. 135-40 In Armenian and Russian

So: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 13, 1949)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

OGANYAN, V.N.

OGANYAN, V.N.: "The quality of cheese as a function of various green fodders fed to cows". Moscow, 1955. Moscow Order of Lenin Agricultural Academy imeni K.A. Timiryazev. (Dissertations for the Degree of Candidate of Agricultural Sciences).

SO: Knizhnaya letopis' No 44, 29 October 1955. Moscow.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

TEN-AZAR'YEV, I., kand. tekhn. nauk; OGANYAN, T., inzh.;
SUVALYAN, P., inzh.

Cable sawing of tuffs. Prom. Arm. 6 no.11:37-40 N '63.
(MIRA 17:1)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

LANGE, V.N.; LANGE, T.I.; OGANYAN, S.G.

Studying the polar anisotropy of abrasion hardness in antimony crystals by the selective etching method. Kristallografiia 10 no.2:260-262 Mr-Ap '65. (MIRA 18:7)

1. Institut fiziki i matematiki AN Moldavskoy SSR.

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

OGANYAN, S. A.

"Chemical Composition of Wheat in the Armenian SSR According to Region and Variety." Cand Biol Sci, Department of Biological Sci, Acad Sci Armenian SSR, 24 Sep 54. (K, 14 Sep 54)

SO: Sum 432, 29 Mar 55

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ACC NR: AT6026471

i.e. the algorithm of pattern recognition is sought in the form of a probabilistic automaton of the type

$$S = \{B, A, \tilde{S}\}$$

where $B = \{b_j\}_1^m$ is the input alphabet, $A = \{a_i\}_1^n$ is the output alphabet, and $\tilde{S} = \|s_{ij}\|$ with $s_{ij} = P(a_i/b_j)$. Under conditions of incomplete information this problem lacks a unique solution and hence exists a set H of permissible solutions (set of all automata of the S type), and the recognition problem lies in finding the most effective automaton S from H (i.e. the recognition algorithm) which reduces to a minimum the losses incurred whenever, during tests of the automaton, random letter generator generates the letter a_j and automaton S recognizes it as the letter a_i. An algorithm for finding optimal automata of this kind is constructed on the basis of the theorem that the set of all the optimal automata is not empty but contains at least one deterministic automaton. Orig. art. has: 17 formulas.

SUB CODE: 09, 06 / SUBM DATE: none

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where d is a single letter of the input alphabet; $A = \{a_i\}_1^n$ is the output alphabet and $\vec{Q} = (q_1, \ldots, q_n)$ is the distribution of probabilities for the output alphabet A, i.e. $q_i = P(a_i/d)$. Clearly

$$\sum_{i=j}^{n} q_i = 1$$

The transit of some letters from the input alphabet of the automaton to the automaton's output will be termed the test of the automaton. Now the problem can be more rigorously formulated. Suppose that as a result of t tests of generator Q a certain sequence of patterns appears at its output

$$a_{i_1}, a_{i_2}, \ldots, a_{i_t}, \qquad (3)$$

and, after proceeding to the automaton's input, becomes converted to a sequence of images of these patterns:

$$b_{j_1}, b_{j_2}, \ldots, b_{j_t}, \qquad (4)$$

Problem: On proceeding from sequence (4) reconstruct sequence (3). The solution of the problem

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converted when mapped by operator C, and $B = \sum_{i=1}^{n} B_i$. Assume further that B is finite; on numbering all of its elements it can be represented by $B = \{b_j\}_1^m$. Generally speaking, sets B_i and B_j may intersect. The sequence obtained as a result of the mapping of sequence (1) by operator C will be written as

$$b_{j_1}, b_{j_2}, \ldots, b_{j_t} \qquad (2)$$

Problem: identify with respect to each symbol in sequence (2) the letter that generated it. A memoryless probabilistic automaton C is considered:

$$C = \{A, B, \tilde{C}\},$$

where $A = \{a_i\}_1^n$ is the input alphabet of automaton C; $B = \{b_j\}_1^m$ is the output alphabet; and $\tilde{C} \equiv \|c_{ij}\|$ is the transition matrix, where c_{ij} is the probability that a_j will convert to b_i, i.e. $c_{ij} = p(b_i/a_j)$. We denote by Q a generator of random letters from alphabet A:

$$Q = \{d, A, \vec{Q}\}$$

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ACC NR: AT6026471 SOURCE CODE: UR/3012/65/000/003/0088/0094

33

AUTHOR: Oganyan, R. A.

ORG: none

16

TITLE: Formulation and algorithm of solution of a pattern recognition problem

SOURCE: Yerevan. Vychislitel'nyy tsentr. Trudy, no. 3, 1965. Matematicheskiye voprosy kibernetiki i vychislitel'noy tekhniki; modelirovaniye protsessov upravleniya (Mathematical problems in cybernetics and computer engineering; modelling control processes), 88-94

TOPIC TAGS: pattern recognition, automaton, set theory, computer theory

ABSTRACT: Given an arbitrary sequence of letters in the alphabet $A = \{a_i\}_1^n$

$$a_{i_1}, a_{i_2}, \ldots, a_{i_t} \qquad (1)$$

Assume the existence of an operator C which juxtaposes a specific symbol with each element of this sequence. Set B_i will be the set of all the symbols to which the letter $a_i \in A$ may be

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OGANYAN, R.A.; PILIPOSYAN, A.G.

Algorithm for a problem of integer convex programming. Trudy Vych. tsentra no.2:33-37 '64. (MIRA 18:8)

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OGANYAN, R.A.

Optimum arrangement of magnets on the ring of a cyclic accelerator reduced to a problem of mathematical planning. Trudy Vych. tsentra no.2:22-32 '64. (MIRA 18:8)

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OGANYAN, R.A.

Expansion in eigenfunctions of a boundary value problem engendered by a nonself-adjoint singular differential operator of the second order with a boundary condition depending on λ. Vop. mat. fiz. i teor. funk. no.1:97-117 '64. (MIRA 18:2)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

OGANYAN, R.A.

Expansion into eigenfunctions of a second-order boundary problem on the semiaxis. Dokl. AN Arm. SSR 34 no.2:57-63 '62.

(MIRA 15:4)

1. Yerevanskiy gosudarstvennyy universitet. Predstavleno akademikom AN Armyanskoy SSR M.M.Dzhrbashyanom.

(Eigenfunctions)

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Expansion with ... S/022/61/014/002/001/008
B112/B203

a closed curve containing the interval $[-R, R]$ of the real axis and comprising all singularities of $h(\lambda)/\lambda$ and $m(\lambda)$ lying in the upper semiplane. P_R is the set of all poles of $h(\lambda)/\lambda$ lying in $[-R, R]$. This lemma leads to the following expansion theorem:

$$f(x) = \frac{i}{\pi} \int_L V_f(\lambda) v(\lambda, x) m(\lambda) d\lambda + L \sum_N \operatorname{Res} \left\{ V_f(\lambda) v(\lambda, x) m(\lambda) \right\} +$$

$$L \sum_{NnM} \operatorname{Res} \left\{ V_f(\lambda) v(\lambda, x) \frac{\lambda}{h(\lambda)} \right\} + \sum_P \operatorname{Res} \left\{ V_f(\lambda) v(\lambda, x) \frac{\lambda}{h(\lambda)} \right\}.$$

N is the number of all roots of the equation: $p(\lambda)e'(\lambda, 0) - n(\lambda)e(\lambda, 0) = 0$ $(n(\lambda)/p(\lambda) = h(\lambda))$, and M is the set of all poles of $h(\lambda)$ lying on the contour L. The author thanks Professor V. A. Marchenko for supervising the study. There are 4 Soviet-bloc references.

ASSOCIATION: Khar'kovskiy gosudarstvennyy universitet (Khar'kov State University)

SUBMITTED: July 23, 1960

Card 3/3

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

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21984

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B112/B203

Expansion with ...

$e(\lambda, x) = e^{i\lambda x} - \int_x^\infty \frac{\sin \lambda(x - t)}{\lambda} q(t)e(\lambda, t)dt$. With the aid of solutions $v(\lambda, x)$, $c(\lambda, x)$, $s(\lambda, x)$ of (A) satisfying the conditions: $v(\lambda, 0) = 1$, $v'(\lambda, 0) = h(\lambda)$, $c(\lambda, 0) = 1$, $c'(\lambda, 0) = 0$, $s(\lambda, 0) = 0$, $s'(\lambda, 0) = \lambda$, the author explains the functions $a(\lambda) = e'(\lambda, 0) - h(\lambda)e(\lambda, 0)$, $\psi(\lambda, x) = \frac{\lambda e(\lambda, x)}{a(\lambda)}$, $m(\lambda) = \frac{\lambda e(\lambda, 0)}{a(\lambda)}$, and $V_f(t) = \int_0^\infty f(x)v(\lambda, x)dx$.

Subsequently, he proves the following lemma on which his study is based: For any function $f(x)$ finite over the interval $[0, \infty]$ with summable derivative, the formula

$$\int_{L_R} V_f(\lambda)v(\lambda, x)m(\lambda)d\lambda = \int_{L_R} \psi(\lambda, x) \int_0^x f(t)v(\lambda, t)dtd\lambda + \int_{L_R} v(\lambda, x) \int_x^\infty f(t)\psi(\lambda, t)dtd\lambda + \pi i \sum_{P_R} \operatorname{Res} \left\{V_f(\lambda)\psi(\lambda, x) \frac{\lambda}{h(\lambda)}\right\}$$

holds. L_R is

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21984
S/022/61/014/002/001/008
B112/B203

16.4100

AUTHOR: Oganyan, R. A.

TITLE: Expansion with respect to eigenfunctions and adjoint functions of a boundary problem produced by a not self-adjoint, singular differential operator of second order, with a boundary condition depending on λ

PERIODICAL: Izvestiya Akademii nauk Armyanskoy SSR. Seriya fiziko-matematicheskikh nauk, v. 14, no. 2, 1961, 17-30

TEXT: The author studies the expansion with respect to eigenfunctions and their adjoints of the following boundary problem: $y'' - q(x)y + \lambda^2 y = 0$ (A), $y'(0) - h(\lambda)y(0) = 0$ (B), where $q(x)$ is a complex function summable over the interval $[0, \infty]$ and $h(\lambda)$ is an even function meromorphic in the entire λ-plane and satisfying the condition: $i\lambda - h(\lambda) \to \infty$ for $\lambda \to \infty$, $\mathrm{Im}\,\lambda \geq 0$. A. V. Shtraus, M. A. Naymark, and B. Ya. Levin studied similar but less general boundary problems. Eq. (A) has a solution $e(\lambda, x)$ which satisfies the integral equation:

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SOV/110-59-9-2/22

A New Series of 6 and 10 kV Power Transformers of the First and Second Frame Sizes

tube-cooled tanks are used, the tubes being oval and not round. The tanks themselves are of so-called "oval" section. Even the smallest of the 6 kV transformers have conservators. The other fittings are described. The total losses of the new transformers are 15-25% lower than those of transformers conforming to the existing standard GOST 401-41, also of transformers made by the East German firms TRO and TUR. Fig 3 compares the weights of oil in the old and new series transformers and in the German transformers. If all Soviet transformers in these ratings were made in the new type the total annual economy of copper would be 120 tons, of steel 900 tons, of transformer oil 4000 tons and of other materials, including insulation, 3900 tons. Tests on the new transformers have confirmed that the design and construction are well chosen.

There are 5 figures.

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

SOV/110-59-9-2/22

A New Series of 6 and 10 kV Power Transformers of the First and Second Frame Sizes

transformers. Further reduction in these clearances is undesirable because it would impair cooling. The cores will be made of annealed cold-rolled steel grade E330, 0.35 mm thick. The sheets will be insulated with varnish. A number of changes have been made, mainly with the object of reducing weight and size or to facilitate manufacture. A transformer type TSM 100/6-10 is illustrated in Fig 1, alongside an old TM series transformer of the same rating. A transformer type TSM 180/6-10 is illustrated in Fig 2. The three-limb core-type construction is used; the core clamps are made of angle iron and the clamping arrangements are described. An illustration of a typical core and coil assembly for the new series of transformers is given in Fig 5. The core and coils no longer have any attachment to the lid and are fully supported by the tank, so that there is less risk of damage in transport. The high-voltage leads are made of flexible wire and the low-voltage leads of copper strip. The new transformer tanks for 20 and 35 kVA are made of 2 mm sheet steel stiffened by cooling ribs. From 60 kVA and upwards

Card 2/3

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

SOV/110-59-9-2/22

AUTHORS: Oganyan, R.A., Gukasyan, M.G. and Karapetyan, V.M. (all Engineers)

TITLE: A New Series of 6 and 10 kV Power Transformers of the First and Second Frame Sizes

PERIODICAL: Vestnik elektropromyshlennosti, 1959, Nr 9, pp 5-8 (USSR)

ABSTRACT: A new series of general-purpose transformers designated type TSM has been developed. Altogether there are ten different ratings, each being greater than the previous one by a factor of 1.73. The ratings in the first frame size are 20, 35, 60 and 100 kVA and in the second frame size 180, 320 and 560 kVA. In addition, subsidiary ratings of 135, 240 and 420 kVA are made in the second frame size. The high-voltage windings will be for 6 or 10 kV, though 6.3 kV will be supplied for existing installations. Off-load tapping switches of ± 5% are provided on the high-voltage side. The ratio of copper to iron loss is 3.5 - 4.0. To reduce deterioration of transformer oil and insulation the maximum temperature rise at the top of the oil has been reduced from 60°C to 55°C, and that of the windings reduced from 70°C in the old standard to 65°C. The insulation, and the clearances in the main insulation, are the same for both 6 and 10 kV

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

OGANYAN, K., N. K. KEREMOV, M. S. SANEBLIDZE

"A scheme for an economic division of the Trans-Caucasian Republic"

report presented at an Inter-University Conference on Dividing the USSR into Economic Regions, 1-5 February 1958, Moscow. (Izv. Ak nauk SSSR, 4,146-49; 1958 author - Gvozdetskiy, N. A.)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

OGANYAN, K.G.

Quarternary glaciation of the Gegamskiya Mountains [in Armenian with summary in Russian]. Nauch.trudy Erev.un. 58:65-79 '56. (MLRA 10:7)

1. Kafedra fizicheskoy geografii.
(Gegamskiye Mountains--Glacial epoch)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

DARAGAN, M.V.[Darahan, M.V.], otv. red.; PRIMAK, K.V.[Prymak, K.V.] zam. otv. red.; DEREVYANKIN, T.I.[Derev'iankin, T.I.], red.; DZIKOVICH, V.Ya.[Dzykovych, V.IA.], red.; OGANYAN, G.A.[Ohanian, H.A.], red.; PROFATILOVA, L.M., red.; SOTCHENKO, Z.Ya., red.; BORYAKIN, V.M., red.; REKES,M.A., tekhn. red.

[Problems of the socialist economy and history of the national economy; based on materials of the Ukrainian S.S.R.] Pytannia sotsialistychnoi ekonomiky ta istorii narodnoho hospodarstva; na materialakh Ukrains'koi RSR, Kyiv, Vyd-vo AN URSR, 1963. 280 p. (MIRA 17:2)

1. Akademiia nauk URSR, Kiev. Instytut ekonomiky.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

CHUMSTOV, V.M., kand. ekon. nauk; CHERNENKO, M.S.; KRASNOKUTSKAYA, O.I.[Krasnokuts'ka, O.I.]; DROSOVSKAYA, L.I.[Drosovs'ka, L.I.]; MOKIYENKO, B.F.; DARAGAN, M.V.[Darahan, M.V.]; OGANYAN, G.A. [Ohanian, H.A.]; TERESHCHENKO, I.P.; KRUGLIKOV, B.I.[Kruhlikov, B.I.]; KOROID, O.S., otv. red.; IVAN'KOV, M.D., red.; KADASHEVICH, O.O.[Kadashevych, A.A.], tekhn. red.

[Socialist reproduction of the means of production]Sotsialistychne vidtvorennia. Kyiv, Vyd-vo Akad. nauk URSR, 1962. 298 p. (MIRA 15:12)

1. Akademiya nauk URSR, Kiev. Instytut ekonomiky. 2. Chlen-korrespondent Akademii nauk Ukr. SSR (for Koroid). 3. Institut ekonomiki Akademii nauk Ukr. SSR (for all except Koroid, Ivan'kov, Kadashevich).

(Economics)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

TETEREVNIKOVA-BABYAN, D.N.; OGANYAN, E.A.; SIMONYAN, S.A.

Some diseases of fruit trees in the Armenian S.S.R. Izv.AN Arm. SSR.Biol.i sel'khoz.nauki 7 no.11:29-35 N '54 (MLRA 9:8)

1. Kafedra morfologii i sistematiki rasteniy Yerevanskogo gosudarstvennogo universiteta imeni V.M. Molotova.
(Armenia--Fruit--Diseases and pests)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

OGANYAN, E. A.

"Fruit Rot of Seed-Fruit and Stone-Fruit Plantings in the Northern Rayons of the Armenian SSR." Cand Agr Sci, Armenian Agricultural Inst Min Higher Education USSR, Yerevan, 1954. (KL, No 8, Feb 55)

SO: Sum. No. 631, 26 Aug 55-Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (14)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

OGAREV, A.P.

Improving the technology of casting refrigerator compressor parts. Lit.proizv. no.7:40-41 Jl '64. (MIRA 18:4)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

OGANYAN, A.P.

Some incentives to the development of commerce in prerevolutionary Armenia [in Armenian with summary in Russian]. Nauch. trudy Erev. un. 63:125-145 '58. (MIRA 11:6)

1. Yerevanskiy gosudarstvennyy universitet, kafedra ekonomicheskoy geografii.

(Armenia—Commerce)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

USSR/Virology - Bacterial Viruses (Phages). E-2

Abs Jour : Ref Zhur - Biol., No 15, 1958, 66925

Author : Ogan'yan, A.G., Rakhimova, I.V., Fazylov, I.F.
Inst : -
Title : The Significance of the Lytic Method for Diagnosing Bacterial Dysentery in Small Children.

Orig Pub : Med. zh. Uzbekistana, 1957, No 12, 33-38.

Abstract : No abstract.

Card 1/1

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

OGANYAN, A.

Specialization of motor-vehicle repair enterprises in Baltic republics. Avt.transp. 42 no.2:22-23 F '64. (MIRA 17:3)

1. Nachal'nik tekhnicheskogo upravleniya Ministerstva avtomobil'nogo transporta i shosseynykh dorog Latviyskoy SSR.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

OGANOVA, G.I.

Mineral composition of hay of mountain meadows. Izv. AN Arm. SSR. Biol. nauki 18 no.4:58-62 Ap '65. (MIRA 18:5)

1. Armyanskiy institut zhivotnovodstva.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

KRENKE, A.N.; VOROMINA, L.S.; AVSYUK, G.A., otv. red.;
OGANOVSKIY, P.N., red.

[Franz Josef Land: Meteorology] Zemlia Frantsa-Iosifa: Meteorologiia. Moskva, Nos. 1 - 2. 1963. 2 v.
(MIRA 18:5)

1. Akademiya nauk SSSR. Institut geografii.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

OGANOVA, S.M.

GA

11E

Vitamin C content in human milk in various seasons in the south (Baku). S. M. Oganova. *Gigiena i Sanit.* 1950, No. 7, 29.—The content of vitamin C ranged from 0.74 to 8.2 mg. %. The highest levels were found in the August-September period. G. M. Kosolapoff

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

OGANOVA, M.I., inzhener; SROSLOV, I.P., inzhener.

Steel tube busses for 110 kv enclosed switchgear. Elek.sta. 27 no.11:51-52 N '56. (MIRA 10:1)

(Electric bus bars)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

VARTANYAN, S.A.; OGANOVA, L.V.; BALANYAN, Sh.O.

Chemistry of vinylacetylene. Part 15: Addition of amines to dimethyldiacetylenylcarbinol. Zhur. org. khim. 1 no.1:37-40 Ja '65. (MIRA 18:5)

1. Institut organicheskoy khimii AN ArmSSR.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

VARTANYAN, S.A.; OGANOVA, L.V.; BADANYAN, Sh.O.

Reaction of amines with diacetylenic glycols. Izv. AN Arm. SSR. Khim. nauki 17 no.6:709-712 '64. (MIRA 18:6)

1. Institut organicheskoy khimii AN Armyanskoy SSR.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

VARTANYAN, S.A.; OGANOVA, L.V.; BADANYAN, Sh.O.

Interaction of alcohols with diacetylenic alcohols and glycols. Izv. AN Arm. SSR. Khim. nauki 16 no.5:515-516 '63.
(MIRA 17:1)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

VARTANYAN, S.A.; OGANOVA, L.V.; BADANYAN, Sh.O.

Letter to the editor. Interaction of amines with diacetylenic alcohols. Izv. AN Arm.SSR. Khim.nauki. 16 no.3:297-298 '63. (MIRA 17:2)

1. Institut organicheskoy khimii AN Armyanskoy SSR.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

VARDANYAN, S.A.; MUSAKHANYAN, G.A.; OGANOVA, L.V.

Chemistry of allyl chlorides. Report No.3: Synthesis of alkoxy acids and their esters. Izv.AN Arm.SSR.Khim.nauki 14 no.4:337-342 '61. (MIRA 14:10)

1. Institut organicheskoy khimii AN Armyanskoy SSR.
(Allyl compounds)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

VARTANYAN, S.A.; MUSAKHANYAN, G.A.; OGANOVA, L.V.

Chemistry of allyl chlorides. Report No.1: Synthesis of 1-nitrilo-5-alkoxy-2-pentenes. Izv. AN Arm.SSR. Khim. nauki 13 no. 5:347-350 '60. (MIRA 14:2)

1. Institut organicheskoy khimii AN ArmSSR.
(Pentene)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

OGANOVA, E.A.

Conidial stage of the fungus Endoxylina stellulata (Rom.)Rom. causing canker of the trunk in ash trees. Bot. mat. Otd. spor. rast. 13:271-273 '60. (MIRA 13:7)

(Ash (Tree)--Diseases and pests)
(Canker (Plant disease)) (Ascomycetes)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

COUNTRY : USSR
CATEGORY : PLANT DISEASES. Diseases of Forest Species.

ABS. JOUR. : Ref Zhur-Biol. Dyn. No. 8, 1958, No. [illegible]

AUTHOR : Oganeva, E.A.
INST. : ~~Not given~~
TITLE : Diseases of Ash Trunks in Relation to Forest Vegetation Conditions.

ORIG. PUBL.: Lesn. Zh-vo, 1958, No. 6, 41-44

ABSTRACT : Investigations made in the stands of Tellermanovskiy Forest have shown several kinds of canker diseases of ash. The previously unknown stage Libertella fraxinea Ogan.sp.n. of the Ascomycetes Eudoxylina stellulata was discovered; this is the causal agent of the most dangerous kind of canker. The distribution of rots and wilts of ash trees is also indicated. Measures for preventing the described diseases are recommended.

CARD: 1/1

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USSR/Plant Diseases. Diseases of Forest Species

Abs Jour : Ref Zhur - Biol., No 20, 1958, No 91939

tree. The disease belongs to the group of prolonged, chronic ailments. Trees of all ages can be affected with it. Under the worst conditions of vegetation the canker infection is lower than under better conditions of vegetation. Some forest-management and therapeutical measures for controlling the disease are given. -- Ye.S. Artyunyan

Card : 2/2

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USSR/Plant Diseases. Diseases of Forest Species 0-2

Abs Jour : Ref Zhur - Biol., No 20, 1958, No 91939

Author : Ogienova E.A.
Inst : Forestry Institute AS USSR
Title : On the Bacterial Canker of the Ash Tree. (According to the Researches in the Tellerman Experimental Forestry of the Institute of Forests of the Academy of Sciences of USSR).

Orig Pub : Soobshch. In-a lesa. AN SSSR, 1957, vyp. 8, 81-89

Abstract : This study describes the pathological soil survey of the ash-tree stands and the subsequent processing of the material under laboratory conditions. The bacterial canker of the ash (Pseudomonas savastanoi var. fraxini (Brown. Krassiln) in the Tellerman forest is distributed chiefly on the young growth of the 1st age class (5 percent). The bacteria do not play an important part in the decay of lignin. However, the start of lignin rot was noted in open ulcers. The ringing of the trunk with ulcers is most dangerous to the

Card : 1/2

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

OGANOVA, E. A. Cand Biol Sci -- (diss) "Diseases of Ash Stems in the Groves of Southern Forest-Steppe and Steppe Regions (Based upon Investigations). ~~From Studies~~ in ~~of~~ the Tellerman Forest and in ~~the~~ Plantings and "Bayrachny ye" [?] Forests of the Derkul' Sci Res ~~Experimental~~ Station for Field-Protecting Afforestation." ~~Forestry."~~ Mos, 1957. 19 pp 20 cm. (Academy of Sciences USSR, Inst of Forests), 110 copies (KL, 18-57, 95)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

OGANOVA, E. A.

SHUMANOV, Ye.A. [deceased]; OGANOVA, E.A.

Phytopathological state of plantations of the Derkul Shelterbelt Forestry Station. Trudy Inst. lesa 30:364-411 '56. (MLRA 10:4)
(Derkul Steppe--Trees--Diseases and pests)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6

OGANOVA, E. A.

VAKIN, A. T., and OGANOVA, E. A. "The Question of Natural Deterioration of Cut Wood of Oaks in Forests," in Reports of the Scientific-Research Work for 1945, Department of Biological Science, Publishing House of the Academy of Science, USSR, Moscow, 1947, pp. 105, 511 Ak144

SO: SIRA, SI 90-53, 15 December 1953

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001237800020-6