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the method were used, which include (Variant I) treatment with sulfuric acid and rinsing with water and (Variant II) titration with a 0.1 n solution of KOH. The accuracy of this method was determined with synthetic mixtures of alkanes and cyclanes(naphthenes) of gasoline B-70 and 2.2,4 - trimethyl pentane (iso-octane). Variant I, with a degree of error of plus or minus .5 percent, is recommended, whereas Variant II had a degree of error of plus or minus .8 percent. There are 7 tables and 1 Soviet reference.

Tilicheyev, M.D. Basing the Boiling Point of Petroleum Products on Atmospheric Pressure 156

Boiling points are "brought to normal" according to the pressure of saturated vapors of individual hydrocarbons, on the basis of n-alkanes. The author states that this method and others lead to serious errors, and gives methods for

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computing these boiling points when transferring from one pressure to another by using the coefficients of Antoine's equation ($t_p = \frac{B}{A - \lg P} - C$) and a graphic method based on the molecular weights of the compounds. There are 3 figures, 4 tables and 11 references, of which 6 are Soviet and 5 English.

Ptashinskiy, I.A. and Guseva, R.I. Electrometric Method of Evaluating the Corrosive Aggressiveness of Lubricating Oils 174

This article gives a resume of research on the electrochemical nature of the corrosions of metals in different solutions. The electrochemical nature of the corrosion process was proven for solutions of acids and for oil SU, and a satisfactory method for measuring the electric potential of a metallic electrode in lubricating oil was worked out. There are 3 tables and 7 Soviet references.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

Ptashinskiy, I.A. and Frolova, M.K. Polarographic Method of Determining Tetraethyl Lead in Gasolines 181

The authors offer a simpler and more reliable method of determining the concentration of tetraethyl lead in aviation and automobile gasolines. The quantity is computed according to the formula TL $(Pb(C_2H_5)_4) = \frac{323.22\ C \cdot 75}{10\epsilon}$, where TL is the quantity of tetraethyl lead per g/kg. of gasoline; C the concentration of lead chloride, determined according to a calibrated graph based on the polarographing of the tested solution; and ϵ the density of gasoline at 20° C. The quantity of ethyl liquid product P-9 per ml. in 1 kg. of gasoline is: X= 1.213 TL. It is stated that this method requires 1/3 to 1/4th as much time as standard methods. There is 1 figure, 1 table and 3 references, of which 2 are Soviet.

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Osher, R.N.; Zaytseva, L.D. Determination of the Saponification Number of Petroleum Products and the Content of Free Fats in Consistent Lubricants 185

This article first reviews in detail various methods for making the determination mentioned in the title. However, a unified method based on ordinary titration procedures is offered as being quicker and more accurate and has been accepted as standard method GOST 6764-53. There are 3 tables.

Bagryantseva, P.P.; Badayeva, M.K.; and Kaygorodtseva, R.A. The Protection of Hydraulic Gas Containers from Corrosion 189

A review is given of efforts that have been made to produce a suitable liquid to inhibit the corrosion of hydraulic valves of gas containers. Investigation showed that carbon black increased the viscosity of the oil base, while sudan apparently had no influence. Synthetic rubbers and polyisobutylenes were used successfully as components of the protective liquid. The simultaneous introduction of a passivator and a protective liquid into the water which

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flows through the shutoff valve of the gas container increases the effectiveness of corrosion protection. The acidity of this liquid does not have a negative effect on its protective properties. There are 7 tables and 1 figure.

Kaulina, M.M. and Luneva, V.C. Evaluation of the Viscosity Properties of Consistent Lubricants at Low Temperatures by Using Rotary and Capillary Viscometers 199

The above-mentioned methods are described in detail. 1) The rotary viscometer [Ref. 2] is based on measuring the resistance of lubricants on a revolving roller. 2) The capillary viscometer [Ref. 1, 4, 7] is based on measuring the resistance of oils passing through a capillary tube. The rotary viscometer has no temperature limitations, it is stated, and the viscosity of lubricant greases can be determined at -30° C. The rotary method was worked out by

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V.P. Pavlov and the capillary method by the Institut nefti AN SSR (Petroleum Institute, Academy of Sciences, USSR). There are 2 tables, 2 figures and 7 Soviet references.

Bagryantseva, P.P. and Badayeva, M.K. The Influence of the Volatility and Viscosity of Mineral Oils on the Operational Properties of Cold-resistant Consistent Lubricants 206

Commercial lubricants were investigated to compare their physicochemical and volume properties, and to test their work capacity in roller bearings on stands and under operational conditions as well. It was concluded that viscosity properties and work capacity of lubricants are dependent upon the hydrocarbon content and upon the volatility and viscosity, respectively, of their component mineral oils. Also, volatility showed great influence on viscosity properties, which were dependent in a linear relationship. Experiments were carried out at an experimental station of the ENII PP. There are 9 figures and 4 tables.

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Study and Use of Petroleum Products 917

Luneva, V.S., and Kovalev, V.A. Quick Method for Determining the Protective Capacity of Concistent Lubricants 219

This article outlines methods for and gives results of evaluating the protective effectiveness of lubricants against corrosion in both liquid and gaseous media. Petrolatum, gun lubricant and commercial vaseline were the more resistant to gaseous corrosion, while corrosion was best controlled in liquid media according to GOST 5757-51, which is based on measuring the width of the protective coating of oil deposited on metal surfaces at various temperatures, and several other factors. There are 4 figures, 7 tables and 14 Soviet references.

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SOV/65-58-8-1/14

AUTHORS: Puchkov, N. G; Borovaya, M. S. and Zelenskaya, R. G.

TITLE: Useful Properties of Lubricating Oils for Cars from Eastern Sulphur Petroleums (Ekspluatatsionnyye svoystva avtolov iz vostochnykh sernistykh neftey).

PERIODICAL: Khimiya i Tekhnologiya Topliv i Masel, 1958, Nr.8. pp. 1 - 9. (USSR).

ABSTRACT: During tests by the Novokuybyshevsk Petroleum Refinery (Novokuybyshevskiy neftepererabatyvayushchiy zavod) carried out by TsIATIM, VNIITneft', NAMI and VNII NP it was found that the properties of oils prepared according to Standard GOST 8581-57 are unsatisfactory. Detailed investigations were, therefore, carried out on the chemical composition and physico-chemical properties of these oils. From characteristics of these samples (Table 1), it can be seen that oils from sulphur petroleums differ from Baku petroleums by their low magnitudes of density and low refraction coefficients, but they have better viscosity-temperature properties, show low corrosion and a high tendency to lacquer formation. Data on the effect of the addition of various additives on the properties of lubricating oils NK NPZ was evaluated by laboratory methods (Table 2) in a Pinkevich apparatus. The smallest

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SOV/65-58-9-1/14

Useful Properties of Lubricating Oils for Cars from Eastern Sulphur Petroleums.

anti-corrosive action was shown by the additive Paranoks and Tsiatim-339. The additive AzNII-4 and Santolube proved unsatisfactory. The additive DF-1 Paranoks and Santolube was most effective in reducing lacquer formation. Analogous data were obtained when determining the detersive properties according to PZV (GOST 5726-53). The oil NK-NPZ could not be tested on the engine GAZ-51 because of insufficient purification. Table 3: results of tests of oils on the engine GAZ-51 (time of test = 100 hours). As these laboratory analyses proved to be insufficient, pure and used oils were divided into hydrocarbon fractions (Tables 4, 5 and 6) and tested (Refs.3, 4 and 5). A comparative evaluation of the chemical composition of these oils showed that after 150 hours of work the chemical group composition of the oils changed only to a slight extent. However, the viscosity of the aromatic fractions of the oils from Baku petroleum altered considerably. Some additional characteristics of the changes of the oils after 100 hours of work were obtained during the analysis of tars (Table 7) and during analysis of deposits on filters (Table 8). The lower degree of carbonisation

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Useful Properties of Lubricating Oils for Cars from Eastern Sulphur Petroleums.

of oxidation products was less dependent on the chemical composition of the oils than on the presence of sulphur in the oil NK-NPZ. Further tests were carried out on the oxidation of five samples of oils under laboratory conditions (in the apparatus DK-2 NAMI) at 180°, 200° and 220°C during fifty hours. The viscosity at 50°C was determined every ten hours, as well as the quantity of insoluble deposits, tar and the amount of formed asphaltenes and hydroxy acids (Figs.1 - 4). Table 9: data on the content of sulphur in the oils. At high temperatures (220°C and higher) the stability of Baku and Eastern oils equalises. Oxidation products of Eastern oils are less pure and contain a larger amount of tars, asphaltenes, hydroxy acids, but no carbenes or carboids. There are 9 Tables, 4 Figures and 5 References: 4 Soviet and 1 English.

1. Lubricating oils--Test results 2. Lubricant additives--Effectiveness 3. Sulfur--Chemical effects

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Pushkov, N. G.

AUTHORS: Pushkov, N. G., and Borovaya, M. S. 65-58-4-2/12

TITLE: The Reliability of Some Laboratory Methods of Evaluating the Operational Properties of Motor and Tractor Oils (O dostovernosti nekotorykh laboratornykh metodov otsenki ekspluatatsionnykh svoystv avtotraktornykh masel)

PERIODICAL: Khimiya i Tekhnologiya Topliv i Masel, 1958, Nr 4, pp 10 - 17 (USSR)

ABSTRACT: Some comparatively new laboratory methods of evaluating the properties of tractor oils (e.g. the corrosive properties, thermal stability, tendency to form scale - and other deposits) are reviewed. The following factors have to be taken into account when evaluating the operational properties of motor oils:- (a) the wear of the engine, (b) the scale formation, (c) corrosion of the engine parts, and (d) the starting of the engine. The anti-wear properties of a motor oil do not depend on its initial anti-wear properties, but on the depths of oxidation and thermal decomposition of the oil which leads to the formation of insoluble deposits of tars, acids and asphaltenes. These conditions cannot be reproduced in a friction engine, and therefore, the evaluation of anti-wear properties of motor oils are carried out on one-cylinder test machines (ОЦМ, ИТ9-2, ИТ9-3),

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65-58-4-2/12

The Reliability of Some Laboratory Methods of Evaluating the Operational Properties of Motor and Tractor Oils

and on actual engines for long and short periods. The methods of Yu. A. Pinkevich and K. S. Ramayya were used for evaluating the corrosive properties of motor oils. The method was developed when lead-copper, cadmium-silver, cadmium-nickel, and other alloys were first put into wide use. This method was evaluated according to the method of Pinkevich on the bearings of the engine ЯАЗ-204. A practically linear dependence of the wear of the bearings on the corrosivity of the oils was found (Fig.1). The method developed by K. K. Papok et al (Refs. 2, 8 and 9) for determining the properties preventing scale formation were verified (Fig.2), and a modified method for determining the coefficient of lacquer formation is discussed, as well as results obtained by the method ПЗВ for differentiating oils containing additives, and the method of laboratory evaluation of lacquer formation of oils (Figs. 3, 4 and 5 and Table 2). These tests were carried out on a tractor engine Д-35. Laboratory methods of oxidizing motor oils were also verified according to VNIITneft' and NAMI (K. S. Ramayya).

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65-58-4-2/12

The Reliability of Some Laboratory Methods of Evaluating the Operational Properties of Motor and Tractor Oils

Table 4: a comparison of diesel oils after their oxidation according to the method NAMI and tests in the engine Д-35. Table 6: results of tests on diesel oils. There are 6 Tables, 6 Figures and 12 References - 3 English and 9 Russian.

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ASSOCIATION: VNII NP.

1. Lubricating oils-Test results 2. Lubricating oils-Corrosive effects 3. Lubricating oils-Test methods

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PUCHKOV, N. G., PAPOK, K. K., KREYN, S. E., SIMENIDO, E. G., PANOV, V. V.

"Investigation of Motor Oil Stability and Methods of Its Evaluation."

Report submitted at the Fifth World Petroleum Congress, 30 May - 5 June 1959. New York.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

KREYN, S.E.; MITROFANOV, M.G.; PUCHKOV, N.G.

Choosing oils with the best chemical composition and methods of producing such oils. Khim. i tekh. topl. i masel no.12:13-22 D '57. (MIRA 11:1)

(Lubrication and lubricants)

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11(4) PHASE I BOOK EXPLOITATION SOV/2075

Akademiya nauk SSSR. Bashkirskiy filial, Ufa

Khimiya seraorganicheskikh soyedineniy, soderzhashchikhsya v neftyakh i nefteproduktakh; [materialy III nauchnoy sessii] (Chemistry of Sulphur Organic Compounds Contained in Petroleum and Petroleum Products; [Papers of the Third Scientific Session]) Moscow, Izd-vo AN SSSR, 1959. 376 p. 2,000 copies printed. Errata slip inserted.

Editorial Board: R.D. Obolentsev (Resp. Ed.) Doctor of Chemical Sciences; G.D. Gal'pern, Doctor of Chemical Sciences; Ya. B. Chertkov, Doctor of Technical Sciences; V.V. Panov, Candidate of Technical Sciences; and V.P. Rozhdestvenskiy, Candidate of Chemical Sciences; Ed. of Publishing House: I.I. Bruzov; Tech. Ed.: T.P. Polenova.

PURPOSE: This book is intended for chemists, chemical engineers, and technicians specializing in the chemistry of petroleum.

COVERAGE: The book is a collection of papers presented at the Third Scientific Session on the Chemistry of Organic Sulfur- and Nitrogen Compounds Contained in Petroleum and Petroleum Products. The scientific session was held in Ufa, June 3-8, 1957. The book consists of six sections: 1) Synthesis, characterization, and analysis of organic sulfur compounds; 2) Separation and composition of organic sulfur compounds contained in petroleum and petroleum products; 3) Transformation of organic sulfur compounds by thermal catalysis; 4) Corrosive properties of and tar formation in sulfur-containing petroleum and petroleum products; 5) Uses of organic sulfur compounds and hydrogen sulfide; 6) Physiological properties of organic sulfur compounds. No personalities are mentioned. There are 315 references, of which 179 are Soviet, 118 English, 5 French, 12 German, and 1 Czech.

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Chemistry of Sulphur Organic Compounds (Cont.) SOV/2075

PART IV. CORROSIVE ACTIVITY AND TAR FORMATION OF SULFUR-CONTAINING PETROLEUM AND PETROLEUM PRODUCTS

Zakharochkin, L.D., S.M. Vol'fson. Corrosive Properties of Sulfur-containing Petroleum 269

Respolov, I.Ye., O.V. Pletneva, Ye.V. Kolotushkina, G.P. Belyayeva, N.S. Malysheva. Corrosive Effect of Fuels Derived from Sulfur-containing Petroleum 276

Chertkov, Ya.B., V.N. Zrelov, V.M. Shchagin. Organic Sulfur Compounds in Fuels as Inhibitors in the Corrosion of Copper and Its Alloys 284

Pushkov, N.G., V.M. Gavryukhin. Methods of Controlling the Wear of Engines Due to Corrosion Caused by Use of Diesel Fuels With a High Sulfur Content 293

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L 20632-66 EWT(m)/T DJ

ACC NR: AP6011220 (A) SOURCE CODE: UR/0413/66/000/006/0057/0057

INVENTOR: Blagovidov, I. F.; Druzhinina, A. V.; Monastyrskiy, V. N.; Puchkov, N. G.; Deryabin, A. A.; Borovaya, M. S.; Filippov, V. F.; Avaliani, T. K.; Zaslavskiy, Yu. S.; Tarmanyan, G. S.; Shor, G. I.; Dmitriyeva, N. A.; Belyanchikov, G. P.; Kuliyev, A. M.; Suleymanova, F. G.; Zaynalova, G. A.; Sadykhov, K. I.

ORG: none

TITLE: Preparative method for motor oils. Class 23, No. 179868

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 6, 1966, 57

TOPIC TAGS: lubricating oil, lubricant additive

ABSTRACT: An Author Certificate has been issued for a preparative method for motor oils, involving the introduction of additives. To impart the required service properties, the additives used are an alkylphenol-formaldehyde condensation product (3—15%), a sulfonate additive (1—6%), an additive based on xanthates or dithiophosphates (0.5—1%), and an organosilicon additive (0.003—0.005%) [the additives are no further identified in the source]. [SM]

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PUSHKOV, N.

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The effects of the products of nervous stimulation upon phagocytosis. G. G. Golodets and N. Pushkov. *Bull. biol. méd. expél. U. R. S. S.* 7, 136-9(1939)(in English).—The perfusate of an isolated frog leg, collected during stimulation of the sympathetic nervous system with an induction coil, when added to a suspension of leucocytes in Ringer soln., caused an increase of 6-15% in the phagocytizing power of the leucocytes. S. A. Karjala

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

PUCHKOV, N. V.

USSR/Medicine - Leukocytes Jan/Feb 1948
Medicine - Phagocytes and Phagocytosis

"The Effects of Mediators on the Phagocytic Action of Leukocytes: II," G. G. Golodets, N. V. Puchkov, Chair of Animal Physiol, Moscow Inst of Fish Industries and Econ imeni A. I. Mikoyan, 8 pp

"Fiziol Zhur SSSR" Vol XXXIV, No 1.

Authors describe experiments they conducted to determine the effect of acetylcholine and adrenalin on the phagocytosis of substances isolated from the erratic nerv, and also to explain the effect on the phagocytosis of vegetable toxins introduced into the organs of a body which had not been excised. Submitted, 20 Mar 1946.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

USSR/Medicine - Nervous System Aug 48
Medicine - Phagocytes and Phagocytosis

"Does the Mediator of Nerve Irritation Act Opsonically on Phagocytes?" N. V. Puchkov, 4 pp

"Dok Ak Nauk SSSR" Vol LXI, No 5

Concludes that the influence of the mediators on phagocytosis has nothing in common with the action of opsonins.

[redacted]

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

PUCHKOV, N. V.

USSR/Medicine - Phagocytosis Jul/Aug 52

"The Temperature Coefficient of Phagocytosis," N.V. Puchkov and A.L. Fedorova, Chair of Animal Physiol, Moscow Tech Inst of Fish Ind im A. I. Mikoyan

Fiziol Zhur SSSR, No 4, Vol 38, pp 490-495

Human leucocytes as well as in those of cold-blooded animals show no phagocytosis at 0°C and below. Phagocytosis starts only at a temp slightly above zero. In human leucocytes and those of cold-blooded animals it increases with the increase of temp and reaches its highest point at 37°C in man and 30°C in frogs. In expts the const which

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characterizes the change in reaction rate (Arrhenius constant) was found to be approx the same in man and frogs. The temp coef of phagocytosis Q_{10} for man equaled 2.6 between 20° and 30°C and 1.7 bet 30° and 37°C. Q_{10} reaches a max in cold-blooded animals at temps of 5-10°C, decreasing above this temp. The ability of human leucocytes to adhere to solid substances does not parallel the speed of phagocytosis. Received 6 Feb 49.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

1. PUCHKOV, N. V.; TITOVA, S. M.

2. USSR 600

4. Phagocytosis

7. Modified method for the study of phagocytic activity of leucocytes, Fizbol. zhur, 38, No. 6, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

PUCHKOV, N.V., professor; KHLATINA, Ye.S., redaktor; DUBOVKINA, N.A., tekhnicheskiy redaktor.

[Physiology of fish] Fiziologiia ryb. Moskva, Pishchepromizdat, 1954. 370 p.
(Fishes--Physiology) (MLRA 7:12)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

GOLODETS,G.G.; PUCHKOV,N.V., professor, redaktor; KHLATINA,Ye.S., redaktor; FROLOV,Yu.P., professor, retsenzent; VIKTOROV,K.P., professor, retsenzent; MEDVEDEVA,L.A., tekhnicheskiy redaktor

[Laboratory manual on the physiology of fish] Laboratornyi praktikum po fiziologii ryb. Moskva, Pishcheprom-izdat, 1955. 89 p.
(Fishes--Laboratory manuals) (MIRA 9:3)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

PUCHKOV, N.V.; FIRSOVA, P.P.

Effect of parasympathicotropic substances on the phagocytic activity of leukocytes in patients with cancer; preliminary report. Biul. eksp. biol. i med. 55 no.3:85-86 Mr '63. (MIRA 18:2)

1. Iz laboratorii patofiziologii (zav. - prof. N.V. Pichkov) Instituta pediatrii AMN SSSR i Instituta khirurgii imeni A.V. Vishnevskogo (direktor - deystvitel'nyy chlen AMN SSSR A.V. Vishnevskiy), Moskva. Submitted May 15, 1961.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

BRYUKHONENKO, Sergey Sergeyevich (1890-1960); MESHALKIN, Ye.N., doktor med. nauk, prof., otv. red.; LAPCHINSKIY, A.G., st. nauchn. sotr., red.; FUCHKOV, N.V., prof., red.; PERESTORONIN, S.A., red.; YANKOVSKIY, V.D., doktor med. nauk, red.

[Artificial blood circulation; a collection of works problems of artificial blood circulation] Iskusstvennoe krovoobrashchenie; sbornik rabot po voprosam iskusstvennogo krovoobrashcheniia. Moskva, Nauka, 1964. 282 p. (MIRA 17:9)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

KAPLUN, N.A.; NEVSTRUYEVA, V.S.; MITROFANOV, V.S.; OBROSOV, A.N.; PUCHKOV, N.V.; CHERNUKH, A.M.

Experimental observations on new methods for the administration of antibiotics of the tetracycline group. Antibiotiki 5 no.6:36-41 N-D '60. (MIRA 14:3)

1. Otdel eksperimental'noy khimioterapii (zav. - prof. A.M.Chernukh) Instituta farmakologii i khimioterapii i otdel fizioterapii (zav. - prof. N.A.Vinogradov) Instituta kurortologii i fizioterapii Ministerstva zdravookhraneniya SSSR.

(TETRACYCLINE)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

ABRIKOSOV, I.A.; ZAKHAROVA, Ye.A.; KAPLUN, N.A.; PUCHKOV, N.V.
MARKOVNIKOVA, Ye.B.; POZDNEYEVA, N.K.

Clinical and physiological basis for the use of adrenaline electrophoresis in the over-all treatment of hypertensive patients with cardiac symptoms. Report No. 2. Vop. kur. fizioter. i lech. fiz. kul't. 25 no. 5:390-396 S-O '60.

1. Iz Nauchno-issledovatel'skogo instituta fizioterapii Ministerstva zdravookhraneniya RSFSR (dir. - prof. A.N. Obrosov).
(ELECTROPHORESIS) (ADRENALINE) (HYPERTENSION)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

PUCHKOV, N.V., doktor med. nauk

Role of leucocytes in digestion and ovulation in fishes. Trudy sov. Ikht.kom. no.8:186-196 ' 58. (MIRA 11:11)

1. Kafedra fiziologii zhivotnykh Moskovskogo tekhnicheskogo instituta rybnoy promyshlennosti i khozyaystva imeni A.I. Mikoyana.
(Leucocytes) (Digestion) (Ovulation) (Fishes--Physiology)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

ABRIKOSOV, I.A. [deceased]., ZAKHAROVA, Ye.A., KAPLUN, N.A., MARKOVNIKOVA, Y.B., OBROSOV, A.N., POZDNEYEVA, N.K., PUCHKOV, N.V.

Basic problems in galvono-zionization and electrophoresis. Vop.kur.fizioter. i lech. fiz. kul't. 23 no. 5:390-398 S-O '58 (MIRA 11:11)

1. Iz Nauchno-issledovatel'skogo instituta fizioterapii Ministerstva zdravookhraneniya RSFSR (dir. - chlen-korrespondent AMN SSSR prof. A.N. Obrosov).

(ELECTROPHORESIS)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

ANOKHIN, P.K., BABSKIY, Ye.B., VERESHCHAGIN, N.K., KABANOV, A.N., PUCHKOV, N.V. DOLIN, A.O.

Nikolai Vladimirovich Timofeev; an obituary. Fiziol.zhur. 44 no.9:904-905 S '58 (MIRA 11:12)
(TIMOFEEV, NIKOLAI VLADIMIROVICH, 1896-1958)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

PUCHKOV, N.V. (Moskva).

Mechanism of phagocytosis and the effect of certain environmental factors on the phagocytic activity of leucocytes in the organism. Usp. sovr. biol. 43 no.2:165-179 Mr-Ap '57. (MLRA 10:6)
(PHAGOCYTOSIS)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

PUCHKOV, N.V.;FEDOROVA, A.L.

Temperature coefficient of phagocytosis. Fiziol. zh. SSSR 38 no.4: 490-495 July-Aug 1952. (CLML 23:2)

1. Department of Animal Physiology, Moscow Technical Institute of the Fish Industry imeni A. I. Mikoyan.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

PUCHKOV, N.V.;TITOVA, S.M.

Modified method for the study of phagocytic activity of leukocytes. Fiziol. zh. SSSR 38 no.6:756-757 Nov-Dec 1952. (CLML 23:4)

1. Laboratory of the Physiology and Pathophysiology of the Nervous System of the Institute of Psychiatry, Ministry of Public Health USSR.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

PUCHKOV, N.V.; KULYABKO, O.M.

Effect of blood serum from children with myeloid leukemia on the phagocytic reaction of leukocytes. Pat. fiziol. i eksp. terap. no.2: 82-83 '64. (MIRA 17:9)

1. Laboratoriya patofiziologii Instituta pediatrii (dir. - dotsent M.Ya. Studenikin) AMN SSSR, Moskva.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

PUCHKOV, N.V.

Role of glycogenolytic processes in phagocytic activities of leukocytes
Biokhimiia 20 no.6:709-713 N-D '55. (MLRA 9:3)

1. Kafedra fiziologii zhivotnykh Moskovskogo tekhnicheskogo instituta rybnoy promyshlennosti i khozyaystva imeni A.I. Mikoyana.
(PHAGOCYTOSIS,
glycolysis in)
(GLYCOGEN, metabolism,
glycolysis in phagecytosis)
(LEUKOCYTES, physiology,
phagocytosis, glycolysis in)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

[illegible], [illegible]

--Physiology of fish; textbook-- Moskva, Rishchepromizdat, 1954. 370 p.
([illegible])

QL639.P8

1. Fishes - Physiology.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

PUCHKOV, N.V.

7095. **Rôle of glycolytic processes in the phagocytic activity of [frog] blood leucocytes.** N. V. Putchkov *Biokhimija*, 1955, 20, 709—713 (Dept. Animal Physiol., A.I. Mikoyan Moscow Tech. Inst. of the Fish Industry and Economy, U.S.S.R.).—When glycolysis ceases due to the presence of iodoacetic acid, arsenite, or phloridzin phagocytic activity no longer occurs but the amoeboid mobility remains largely unaffected. Neither phagocytic activity nor amoeboid mobility are affected by 5×10^{-4} M KCN. If both respiration and glycolysis are poisoned both these activities cease. It is concluded that the energy for phagocytic activity is derived from glycolytic processes whereas the amoeboid mobility can be maintained by energy from direct oxidation. (Russian)

A. K. GRZYBOWSKI.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

PUCHKOV, P.I., inzh.; VINOGRADOV, O.S., inzh.

Heat transfer in annular slots. Energomashinostroenie 9 no.11:22-24 N '63. (MIRA 17:2)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

SLIVKO, V.V., otv. red.; VINOGRADOVA, T.A., red.; MARSHAK, A.L., red.; PUCHKOV, P.I., red.

[Reports of a scientific conference on the technology and microbiology of milk and milk products] Doklady nauchnoi konferentsii po voprosam tekhnologii i mikrobiologii moloka i molochnykh produktov. Vologda, Vologodskoe knizhnoe izd-vo, 1964. 91 p. (MIRA 17:12)

1. Molochnoye (Vologodskaya oblast'). Vologodskiy molochnyy institut.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

PUCHKOV, P.I., inzh.; VINOGRADOV, O.S., inzh.

Study of heat exchange and hydraulic resistance of helical channels with heat emitting internal surface. Teploenergetika 11 no.10: 62-65 O '64. (MIRA 18:3)

1. TSentral'nyy kotloturbinnyy institut.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

L 27866-66 EWT(1)/ETC/EPF(n)-2/EWG(m) WW/JS

ACC NR: AT6001355 SOURCE CODE: UR/0000/65/000/000/0076/0092

AUTHOR: Puchkov, P. I.; Vinogradov, O. S.

ORG: Central Institute of Boilers and Turbines im. I. I. Polzunova (Tsentral'nyy kotloturbinnyy institut)

TITLE: Heat transfer and hydraulic resistance in annular channels with smooth and rough heat-emitting surfaces

SOURCE: Teplo- i massoperenos. t. 1: Konvektivnyy teploobmen v odnorodnoy srede (Heat and mass transfer. v. 1: Convective heat exchange in a homogeneous medium). Minsk, Nauka i tekhnika, 1965, 76-92

TOPIC TAGS: heat transfer, annular channel, surface property

ABSTRACT: To determine the effect of the roughness of a heat-emitting surface on the heat transfer and hydraulic resistance in annular channels with a flow of air, experiments were conducted using both annular channels with smooth and with rough heat-emitting surfaces. Measurements were made of the air flow rate, pressure drop, and surface temperature. The air temperature in the test section was varied from 298 to 318K. The experimental data was analyzed in terms of the Nu and Re numbers. Empirical equations were obtained which describe the effect of the surface roughness on the heat transfer and the hydraulic resistance in annular channels of various dimensions. It is shown that for the same size channels, the heat transfer and the hydraulic

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L 27866-66

ACC NR: AT6001355

resistance depend on both the size and the form of the surface roughness. The intensity of the heat transfer is also greatly dependent on the angle of attack; i.e., air flow perpendicular to the surface increases heat transfer by a factor of ~6 as compared to parallel flow. Orig. art. has: 11 figures and 12 formulas. [PS]

SUB CODE: 13/ SUBM DATE: 31Aug65/ ORIG REF: 005/ OTH REF: 009/ ATD PRESS: 4166

Card 2/2

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

L 63879-65 EWT(1)/EWT(m)/EPF(c)/EPF(n)-2/EWG(m)/EWA(d)/EWP(t)/EWP(k)/EWP(b)/EWA(c)
JD/WW/HW

ACCESSION NR: AP5015082 UR/0114/65/000/006/0022/0024
536.24.001.5

AUTHOR: Puchkov, P. I. (Candidate of technical sciences); Vinogradov, O. S. (Engineer)

TITLE: Longitudinally finned heat-transfer surfaces

SOURCE: Energomashinostroyeniye, no. 6, 1965, 22-24

TOPIC TAGS: heat transfer, finned tubing

ABSTRACT: The results are reported of an experimental investigation of the heat transfer and hydraulic resistance of two 1-m long 32-mm OD metal tubes; one tube was equipped with 12 and the other with 28 longitudinal 11-mm high fins. The tubes had an inside electric heater, and were cooled by air, at 10^5—3×10^5 n/m^2, in a closed-type gasodynamic outfit. Critical functions Nu = f(Re) and ξ = f(Re) are presented in the form of curves. To enhance the heat transfer, the air between the fins, in the 28-fin tube, was turbulized by 3 ring diaphragms cutting through the fins. Also roughening the fin surface was tested as a measure to improve the heat transfer. Longitudinal finning improves by a factor of 2.4—2.7 the energy characteristics of a smooth tube; the diaphragms and rough surface make them still better (by 7% and 20%, respectively). Orig. art. has: 5 figures, 8 formulas, and 1 table.

Card 1/2

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L 63879-65

ACCESSION NR: AP5015082

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00 SUB CODE: PR

NO REF SOV: 006 OTHER: 001

Card 2/2

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

PUCHKOV, P.I., kand. tekhn. nauk; VINOGRADOV, O.S., inzh.

Longitudinally finned heat radiating surfaces. Energomashinostroenie 11 no.6:22-24 Je '65. (MIRA 18:7)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

PUCHKOV, P. I.

"K voprosu o protsessakh sovremennogo etnicheskogo razvitiya naseleniya Okeanii."

report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences, Moscow, 3-10 Aug 64.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

L 45138-66 EWT(1) WW

ACC NR: AP6020380 (N) SOURCE CODE: UR/0114/66/000/006/0031/0032

AUTHOR: Puchkov, P. I. (Candidate of technical sciences); Vinogradov, O. S. (Candidate of technical sciences)

ORG: none

50
B

TITLE: Heat transfer in smooth annular heat exchanger channels

SOURCE: Energomashinostroyeniye, no. 6, 1966, 31-32

TOPIC TAGS: convective heat transfer, heat exchanger

ABSTRACT: For annular channels with different ratios of inside and outside diameter, the dimensionless equation must contain an additional multiplier d_2/d_1 to take account of the relative dimensions of the annular channel. In the general form the heat transfer equation for an annular channel is written if the form:

$$Nu_1 = c\,Re^m\,Pr^n\,f\left(\frac{d_2}{d_1}\right). \quad (1)$$

The experimental results of many investigators can be correlated by the equations

$$Nu = 0{,}023 Re_1^{0{,}8}\,Pr^{0{,}4} \quad (2)$$

or

$$Nu = 0{,}023 Re^{0{,}8}\,Pr^{0{,}4}\left(\frac{d_2}{d_1} - 1\right)^{0{,}2}. \quad (3)$$

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L 45138-66

ACC NR: AP6020380

in the range of variation of d_2/d_1 from 1.185 to 2.3. To verify the possibility of extrapolating Equations (2) and (3) to the region of high values of d_2/d_1, experiments were carried out at d_2/d_1 = 3.08; 4.92; and 8.24. The inside heat transfer surface was a stainless steel tube with a diameter of 13/2 mm, which was placed in channels 40, 64, and 107 mm in diameter and heated with an alternating current. The experimental results were worked up in two ways; with respect to the equivalent diameter, and with respect to the diameter of the heat transfer tube. Curves are given for the two cases. It was found that working up the data with respect to the equivalent diameter does not yield a single valued relationship, while with respect to d_1 the experimental points fall in a satisfactory manner along a straight line constructed from Equation (3), and agree well with previous literature data. Orig. art. has: 3 formulas and 2 figures.

SUB CODE: 20/ SUBM DATE: none/ ORIG REF: 002

Card 2/2 UDR

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

PUCHKOV, P. V.

"Kydrogenation of Keptene-1 and n-Heptane jnder Hydrogen Pressure", Dok. AN, 24, No. 4, 1939. Mbr., Inst. Minerals, Dept. Tech. Sci., Acad. Sci., -1939-.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

PUCHKOV, P. V.

NIKOLAYEVA, A. F.; PUCHKOV, P. V.

"Hydrogenation of Hexylene Under High Pressure of Hydrogen," Zhur. Obshch. Khim., 9, No. 3, 1939. Laboratory of Hydrogenation, Institute of Combustible Minerals, Academy of Sciences USSR, Received 10 June 1938.

Report U-1517, 22 Oct 1951

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PUCHKOV, P. V. 600

1. NIKOLAYEVA, A. F., PUCHKOV, P. V.

2. USSR (600)

"Hydrogenation of Cyclohexene under Hydrogen Pressure", Zhur. Obshch. Khim., 9, No. 23, 1939. Lab. of Hydrogenation, Inst. of Mineral Fuels, Acad. of Sci. USSR. Received 21 June 1939.

9. [redacted] Report U-1[illegible]6, 11 Jan 1952.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

Transformation of methylcyclohexane under hydrogen pressure. P. V. Puchkov. *Khim. Tverdogo Topliva* 9, 141-51(1938).—$C_6H_{11}Me$ was treated in an autoclave at 470° and an initial H pressure of 40-140 atm. for 0.5-4 hrs. in the presence of the MoS_2 and Ni oxide catalysts. The MoS_2 catalyst practically did not promote destructive dehydrogenation. On the other hand, the dehydrogenation in the presence of Ni oxide catalyst yielded about 50% of gas, which consisted mainly of CH_4. The fractions obtained b. 60-95° and 95-104°, contained unsatd. hydrocarbons 9 and 4, and aromatic hydrocarbons 19.5 and 13.0%, resp. The presence of cyclic hydrocarbons of mol. wt. 96 in the fraction b. 95-104°, was observed.

A. A. Dubinov

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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[illegible], [illegible]
A. [illegible], ZhFKh 14, 1940, 1319-20

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1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

PROCESSES AND PROPERTIES INDEX

CA

21

Hydrogenating Ishimbaev petroleum fuel oil. P. V. Puchkov.—*Khim. Tverdogo Topliva* 6, 171-84(1935).—The Ishimbaev (Sterlitamak) fuel oil used in this investigation constituted 52% of the original crude oil and it had d_{4}^{15} 0.965, pour p. 13° and S 3.3%. The hydrogenation was carried out in the presence of MoS_3, yielding up to 56% gasoline, 15% kerosene and a residue of 10% which was free from resins, when operating with 3 recyclings at 440° and 90 atm. The gasoline is free from unsatd. compds. and contains a considerable amt. of paraffin hydrocarbons. A gasoline contg. up to 35% of aromatic compds. was obtained when hydrogenating a hydrogenated kerosene in the vapor phase at 500° and an initial H_2 pressure of 80 atm. From 33 to 99% of the S is removed in the hydrogenation of the fuel oil, the lighter fraction being desulfurized with greater ease. A complete desulfurization (S content below 0.1%) is attained at a temp. of 400° and a H_2 pressure of 50 to 200 atm. The expts. are described. Twenty-five references.

A. A. Boehtlingk

COMMON ELEMENTS

COMMON VARIABLES INDEX

MATERIALS INDEX

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

AUTHOR INDEX

1ST AND 2ND LETTER

3RD LETTER

3RD AND 4TH ORDERS

FM GROUPS

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Ca

21

Gases of hydrogenation and of pyrolysis. P. V. Puchkov. *Khim. Tverdogo Topliva* 8, 502-8(1937).—The heavy gases obtained in hydrogenation of coal consist mainly of satd. hydrocarbons of high mol. wt. (53-58), and contain large amts. of N and H, because of mixing with the air. The light gases of pyrolysis consist mainly of satd. hydrocarbons of lower mol. wt., and unsatd. hydrocarbons of higher mol. wt. The heavy gases of pyrolysis consist mainly of unsatd. hydrocarbons of high mol. wt. and much less satd. hydrocarbons of mol. wt. somewhat less than unsatd. Analytical data are tabulated. Five references. A. A. Podgorny

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

Transformation of benzene under hydrogen pressure. P. V. Puchkov. *J. Gen. Chem.* (U. S. S. R.) 8, 1677-81 (1938); cf. C. A. 33, 3766[9]. Destructive hydrogenation of C_6H_6 at 400° and an initial H pressure of 110 atm. for 1 hr. in the presence of MoS_2 gave 60% catalyzate, contg. cyclohexane 64.1, methylcyclopentane 32.8 and hexane 3.1%. At 470° under analogous conditions, the catalyzate contained cyclohexane 40.1, methylcyclopentane 56.8 and hexane 3.1%. **Transformation of toluene under hydrogen pressure.** P. V. Puchkov and A. F. Nikolaeva. *Ibid.* 1756-62.—Treated as above, toluene gave at 400° 70% catalyzate, contg. methylcyclohexane 58, pentamethylenes (chiefly 1,2- and 1,3-dimethylcyclopentanes) 33 and paraffins 9%. At 470° the reaction proceeds with considerable demethylation of PhMe to C_6H_6 and formation of pentamethylenes and paraffins. Chas. Blanc

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

Destructive hydrogenation of oil products. P. V. Pachkov. *Bull. acad. sci. U. R. S. S., Classe sci. math. nat., Sér. chim.* **1937**, 481-90(in English 499-500); cf. C. A. **31**, 4801[1], 5551[8].

Chas. Blanc

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

A Hydrogenation of sulfurous petroleums. P. A. Puchkov. *Neftyanoe Khoz.* 18, No. 6, 44-51(1935); *Chimie & industrie* 39, 1087; cf. *C. A.* 31, 5551[4].—Light fractions distg. below 300° are desulfurized by hydrogenation under 20 atm. at 400-20°, in presence of MoS_2 and Cr_2O_3. The final yield is 98-9% and the S content not over 0.1%. The residues above 300° and the oils obtained by fractionating them are desulfurized at 400° under 150-200 atm., to a S content of 0.2%, with a yield of 95-7%; or they are destructively hydrogenated in liquid phase at 420-50° under 150-200 atm. to give desulfurized motor gasoline and kerosene. Under these conditions 85% of light colored products contg. not more than 0.1% S is obtained. Hydrogenation may be combined either with cracking or with desulfurization of the cracked products of sulfurous petroleums. A. Papineau-Couture

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

Hydrogenation at low temperature. I. Desulfurization of Ishimbaev topped crude oil under hydrogen pressure. P. V. Puchkov and A. F. Nikolaeva. *J. Applied Chem.* (U. S. S. R.) **10**, 327-35 (in German 335) (1937). Desulfurization of the above oil (contg. 3.12% S) at 340-415° and a cold H_2 pressure of 50-250 atm. in the presence of the MoS_2 catalyst yields a crude product with a reduced S content. The velocity of the reactions is directly related to pressure and temp. The above oil is satisfactorily desulfurized at 390-415° and a cold H_2 pressure of 100-250 atm., yielding 95% (by wt.) of a product (not refined) with a S content of 0.13-0.32%. Resinous substances are removed simultaneously. Six references. Also in *Bull. acad. sci. U. S. S. R., Classe sci. math. nat., Ser. chim.* **1937**, 171-83 (in English 183-4).

A. A. Podgorny

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

NIKOLAYEVA, A. F., PUCHKOV, P. V.

"Hydrogenation of Hexylene Under High Pressure of Hydrogen," Zhur. Obshch. Khim., 9, No. 3, 1939. Laboratory of Hydrogenation, Institute of Combustible JMinerals, Academy of Sciences USSR, Received 10 June 1938.

Report U-1517, 22 Oct 1951

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

PUCHKOV, P. V., NIKOLAYEVA, A. F.

"Hydrogenation of Ethylbenzene Under High Pressure of Hydrogen," Zhur. Obshch. Khim., 9, No. 3, 1939. Laboratory of Hydrogenation, Institute of Combustible Minerals, Academy of Sciences USSR. Received 10 June 1938.

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Report U-1517, 22 Oct 1951

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

PUCHKOV, P. V.

"Catalytic Isomarization fo Monocyclical Hydrocarbons in the Presence of Molybdenum Bisulfide."

Zhur. Fiz. Khim., Vol. 14, Nos. 9-10, 1940

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

PUCHKOV, P. V.
K. P. LAVROVSKII, Neftyanoe Khozyaistvo 28, No. 8, 65-9
29, No. 9, 75-80, 1935

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1"

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PUCHKOV, P. V.
K. P. LAVROVSKII, Neftyanoe Khozyaistvo 28, No. 8, 65-9, 1935
29, No. 9, 75-80,

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

PUCHKOV, P. V.

K. P. LAVROVSKII, Neftyanoe Khozyaistvo 28, No. 8, 69-72, 1935

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

PUCHKOV, S.

Chernigov "capron." Znan. ta pratsia no.3:15 Mr '63. (MIRA 16:10)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

PUCHKOV, S.

Rolling waves of the Dnieper. Znan.ta pratsia no.1:20-21 Ja '60. (MIRA 13:5)
(Dnieper River--Navigation)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

PUCHKOV, S. (Terezino Belotsekovskogo rayona)

Science village. Znan. ta pratsia no.6:13 Je '62. (MIRA 16:7)

(Terezino (Belaya Tserkov' District)—Stock and stockbreeding—Research)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

PUCHKOV, S.

Zoological garden in winter. Znan. ta pratsia no.2:32 F '62.
(MIRA 15:2)

(Kiev--Zoological gardens)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

AZOS, S.; AREF'YEV, A.; ARTAMONOV, I.; BABINA, I.; BEREGOVSKIY, V.; BLOZHKO, V.; BRAVERMAN, A.; BYKHOVSKIY, Yu.; VINOGRADOVA, M.; GALANKINA, Ye.; GIL'DENGERSH, F.; GLOBA, T.; GREYVER, N.; GORDON, G.; GUL'DIN, I.; GULYAYEVA, Ye.; GUSHCHINA, I.; DAVYDOVSKAYA, Ye.; DAMSKAYA, G.; DERKACHEV, D.; YEVDOKIMOVA, A.; YEGUNOV, V.; ZABELYSHINSKIY, I.; ZAYDENBERG, B.; AZMOSHNIKOV, I.; ITKINA, S.; KARCHEVSKIY, V.; KLUSHIN, D.; KUVINOV, Ye.; KUZNETSOVA, G.; KURSHAKOV, I.; LAKERNIK, M.; LEYZEROVICH, G.; LISOVSKIY, D.; LOSKUTOV, F.; MALEVSKIY, Yu.; MASLYANITSKIY, I.; MAYANTS, A.; MILLER, L.; MITROFANOV, S.; MIKHAYLOV, A.; MYAKINENKOV, I.; NIKITINA, I.; NOVIN, R.; OGNEV, D.; OL'KHOV, N.; OSIPOVA, T.; OSTRONOV, M.; PAKHOMOVA, G.; PETKER, S.; PLAKSIN, I.; PLETENEVA, N.; POPOV, V.; PRESS, Yu.; PROKOF'YEVA, Ye.; PUCHKOV, S.; REZKOVA, F.; RUMYANTSEV, M.; SAKHAROV, I.; SOBOL', S.; SPIVAKOV, Ya.; STRIGIN, I.; SPIRIDONOVA, V.; TIMKO, Ya.; TITOV, S.; TROITSKIY, A.; TOLOKONNIKOV, K.; TROFIMOVA, A.; FEDOROV, V.; CHIZHIKOV, D.; SHEYN, Ya.; YUKHTANOV, D.

Roman Lazarevich Veller; an obituary. TSvet. met. 31 no.5:78-79 My '58. (MIRA 11:6)

(Veller, Roman Lazarevich, 1897-1958)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

TARNOVSKIY, I. Ya.; POZDEYEV, A.A.; PUCHKOV, S.G.

Deformation and stresses in drawing. Kuz.-shtam. proizv. 2 no.6: 6-10 Je '60. (MIRA 13:10)
(Drawing (Metalwork)) (Strains and stresses)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

PUCHKOV, S.

Strong men. Znan. ta pratsia no. 3:32 Mr '61. (MIRA 14:5)
(Mushrooms, Edible)

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

Puchkov, S.G.

19

SOV/6162

PHASE I BOOK EXPLOITATION

Trubin, V. N., Candidate of Technical Sciences, and I. Ya. Tarnovskiy, Doctor of Technical Sciences, eds.

Kovka krupnykh pokovok; rezul'taty issledovaniya tekhnologicheskikh rezhimov (Production of Heavy Forgings; Results of a Study of Technological Methods). Moscow, Mashgiz, 1962. 223 p. 3800 copies printed.

Reviewer: O. A. Ganago, Candidate of Technical Sciences; Tech. Ed.: N. A. Dugina; Executive Ed. of Ural-Siberian Department (Mashgiz): E. L. Kolosova, Engineer.

PURPOSE: This book is intended for engineering personnel of forging shops and engineering and design offices at heavy-machinery plants, as well as for those working in scientific-research and planning organizations. It may also be useful to students at higher educational establishments.

Card 1/6

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

COVERAGE: The book reviews technological problems of forging large steel ingots. The effect of reduction and conditions of deformation on the quality of forgings is discussed on the basis of research work done at heavy-machinery plants of the USSR. The book offers practical suggestions on improving the quality of large forgings and reducing the amount of labor required to produce them. I. Ya. Chernikhova, V. I. Tarnovskiy, and V. P. Bakharev took part in preparing the copy for publication. There are 193 references, mostly Soviet.

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Deformations and stresses during drawing and upsetting operations (Tarnovskiy, I. Ya., and V. N. Trubin) 5

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

Production of Heavy Forgings; (Cont.) SOV/6162

Ch. V. Improving the Technology of Forging from Large Ingots 187
Selection of best methods for disk forging on the basis of model analysis (Tarnovskiy, I. Ya., V. N. Trubin, and S. G. Puchkov) 187
Rational technology of forging of backup and working rolls [for rolling mills] (Golubyatnikov, N. K.) 207
Improving the technology of forging rotors and disks (Nedosekin, L. I., and V. M. Korovina) 212
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AVAILABLE: Library of Congress

SUBJECT: Metals and Metallurgy

Card 6/6

DV/wb/jk
2/25/63

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

KOTEL'NIKOV, V.P.; TARNOVSKIY, I.Ya.; PUCHKOV, S.G.

Nomograms for the calculation of increases in width and forces in forge drawing. Kuz.-shtam. proizv. 5 no.12:6-10 D '63. (MIRA 17:1)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

PUCHKOV, S.G.

TARNOVSKIY, I.Ya.; GANAGO, O.A.; BAGROV, I.N.; SHELEKHOV, V.A.; Prinimali uchastiye: MAKAYEV, S.V.; inzh.; RYABOKON', N.K., inzh.; KOTEL'NIKOV, G.V., inzh.; PUCHKOV, S.G., inzh.; STAROSELETSKIY, M.I., inzh.; BAKHAREV, V.P., tekhnik.

Developing a technology for the manufacture of lightweight railroad car wheels. Kuz.-shtam. proizv. 1 no.9:1-4 S '59. (MIRA 12:12)

(Car wheels) (Forging)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

FUCHKOV, S.G. Deceased

Forging See ILC

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

KON'KOV, Arkadiy Sergeyevich; GANAGO, O.A., kand. tekhn. nauk, retsenzent; MOZHAYSKIY, V.S., inzh., retsenzent; SOLONIN, I.S., kand. tekhn.nauk, red; PUCHKOV, S.G., inzh., red.; DUGINA, N.A., tekhn. red.

[Reducing allowances in forging] Snizhenie pripuskov pri shampovke pokovok. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 167 p. (MIRA 14:11)
(Forging) (Tolerance (Engineering))

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

1. PUCHKOV, S. V.

2. USSR (600)

"Free Longitudinal Vibrations of a Body of Uniform Tensile Strength," Trudy Seysmologicheskogo instituta. No. 127, 1948 (136-142)

9. Meteorologiya i Gidrologiya, No. 3. 1949.
[redacted] Report U-2551. 30 Oct 52

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

PUCHKOV, S. V.

PA 233T90

USSR/Geophysics - Earthquakes 1950

"Vibrations of Buildings and Ground as a Result of Explosions," A. I. Kats, S. V. Puchkov

"Trudy Geofiz Inst" No 9 (136), pp 123-126

Basic results of authors' measurements of subject vibrations, as a result of using powerful explosives (1,180 tons) in Shchekino, Tula Oblast, in Mar 49.

233T90

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

PUCHKOV, S.V.; KATS, A.Z.

Instrumental seismic division of subsoil into small regions. Trudy Geofiz. inst. no.30:208-216 '55. (MIRA 9:6)
(Seismology)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

KATS, A.Z.; PUCHKOV, S.V.

Action of seismic waves on structures. Trudy Geofiz. inst. no.30: 226-239 '55.
(Earthquakes and building) (MIRA 9:6)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

POCHKOV, S.V.

Seismicity of the ashkhabad region according to observations in 1953.
Izv.AN SSSR.Ser.geofiz. no.4:469-472 Ap '56. (MLRA 9:8)

1. Akademiya nauk SSSR, Geofizicheskiy institut.
(Ashkhabad--Earthquakes)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

PUCHKOV, S.V.

Limiting intensity of earthquakes on fundamental rock strata. Izv. AN SSSR.Ser.geofiz. no.8:920-926 Ag '56. (MLRA 10:1)

1. Akademiya nauk SSSR, Geofizicheskiy institut.
(Seismology)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

LUCHKOV, S.V., SOLONENKO, V.P., TRSKOV, A.A, FLORENSOV, N.A.

Earthquake, 27 June 1957

Questions of Engineering Seismology, Issue #1

Published by the Publishing House of the Academy of Sciences of the USSR, Moscow, 1958

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

SOLONENKO, V.P.; TRESKOV, A.A.; FLORENSOV, N.A.; PUCHKOV, S.V.

Muya earthquake, June 27, 1957. Trudy Inst.fiz.zem. no.1:29-43 '58. (MIRA 12:9)

(Muya Valley--Earthquakes)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

Puchkov, S.V.

49-1-11/16

AUTHOR: Puchkov, S.V.

TITLE: On the Foundations of the Complex Method of Seismic Zoning. (Ob osnovakh kompleksnogo metoda seysmicheskogo rayonirovaniya)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Geofizicheskaya, 1958, Nr 1, pp.107-115 (USSR)

ABSTRACT: The author discusses in some detail existing methods and conceptions of seismic zoning and formulates principles which should be applied as a basis of seismic zoning which can be briefly summarised thus: strong earthquakes should be ordinated to the zones of large tectonic disruptions; the limit force of earthquakes in basic rock formations does not exceed 7 to 8 Balls; the maximum force of tremors is ordinated to sand-clay formations and in these it can be higher on the average by 2 Balls than in dense formations; the maximum force of tremors need not coincide with the epicentre of a strong earthquake; the same quantity of seismic energy passes from an earthquqke focus to rocks and loose formations. There are 6 figures, 4 graphs, and 11 references, all of which are Russian.

Card 1/2

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

49-1-11/16

On the Foundations of the Complex Method of Seismic Zoning.

ASSOCIATION: Academy of Sciences, USSR, Institute of Physics of the Earth (Akademiya Nauk SSSR, Institut Fiziki Zemli)

SUBMITTED: January 23, 1957.

AVAILABLE: Library of Congress.

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

SOV/49-59-6-12/21

AUTHORS: Puchkov, S. V., Khovanova, R. I.

TITLE: The Kyren Earthquake on August 10, 1958.

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geofizicheskaya, 1959, Nr 6, pp 891-894 and 1 plate (USSR)

ABSTRACT: The earthquake occurred during investigations being carried out in the area by the Priangarskaya expedition of the Institute of Physics of the Earth, Academy of Sciences, USSR, by whom four experimental stations were set up, as shown in Fig 1 (1 - stations, 2 - epicentre, 3 - boundary of the earthquake). The calculations were based on the analytical method of the difference between the entering time of the waves $\overline{P}$ and $\overline{S}$ (Fig 2), as recorded by different stations (Table 1 and Fig 3). The time of the earthquake was determined as 11 h, 34' 25.8" (Fig 3). The velocity ratio of the longitudinal and transverse waves was $a/b = 1.75$. The velocity a was calculated from the expression on p 892, where δt_1, δt_2 and δt_z - travel times of the wave as recorded by stations "Mondy", "Kyren" and "Zhemchug", x_2 and x_3 - distances between "Mondy"

Card 1/2

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"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

SOV/49-59-6-12/21

The Kyren Earthquake on August 10, 1958.

"Kyren", and "Zhemchug", respectively (Table 2). The value of a was found to be $a = 5.4 \pm 0.15$ km/sec. The epicentre and the depth of focus was determined as $\varphi = 51^{\circ}75'$ N, $\lambda = 101^{\circ}95'$ E, $h = 10$ km (Fig 4). The fictitious velocity was found $K = 7.56$ km/sec. Also the hyperbole method was applied in calculations (Fig 5). Both methods were in significant agreement. The energy E was determined from the formula on p 893 as equal to 9.3×10^{21} ergs. The force of the earthquake was found to be equal to M = 526. There are 5 figures, 2 tables and 2 Soviet references.

ASSOCIATION: Akademiya nauk SSSR, Institut fiziki Zemli (Academy of Sciences, USSR, Institute of Physics of the Earth)

SUBMITTED: October 25, 1958.

Card 2/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

PUCHKOV, S.V.; SOLONENKO, V.P.; TRESKOV, A.A.; FLORENSOV, N.A.

A recent powerful earthquake in Eastern Siberia. Izv. Sib. otd. AN SSSR no.3:42-51 '58. (MIRA 11:8)

1. Vostochno-Sibirskiy filial AN SSSR i Institut fiziki Zemli AN SSSR.

(Siberia, Eastern--Earthquakes)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

VIL'KOVYSKAYA, G.B.; MURONETS, I.I.; PUCHKOV, S.V., kand.fiz.-mat.nauk; KRAVCHENKO, I.M., red.; SIMONOVA, A.I., red.; MANOLE, M.G., red.; KOLESNIKOVA, A.P., tekhn.red.

[German-Russian geophysical dictionary] Nemetsko-russkii geofizicheskii slovar'. Pod red. I.M.Kravchenko, A.I.Simonova. Moskva, Gos.izd-vo fiziko-matem.lit-ry, 1959. 409 p. (MIRA 12:5)
(German language--Dictionaries--Russian)
(Geophysics--Dictionaries)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

PUCHKOV, S.V.

Behavior of buildings, situated in various soils, during the passage of seismic waves. Trudy Inst. fiz. Zem. 28 Vop. inzh. seism. no.8:141-146 '63. (MIRA 16:11)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

PUCHKOV, S. V.

Accelerograph and the practice of using it for registering strong earth movements during earthquakes and blasts. Biul. Sov. po seism. no.14:58-62 '63. (MIRA 16:4)

(Accelerometers) (Earth movements)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

PUCHKOV, S. V.

Some characteristics of the vibrations of soils during earthquakes in the Lake Baikal region. Trudy Inst. fiz. Zem. no.22. Vop. inzh. seism. no.7:81-88 '62. (MIRA 15:10)

(Baikal Lake region—Seismometry)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

FUCHKOV, S.V.

Correlation of the velocity of seismic vibrations of particles with the occurrence of liquefaction of water-bearing sand. Trudy Inst. fiz. Zem. no.21. Vop. inzh. seism. no.6:115-117 '62. (MIRA 15:9)

(Blasting)
(Sand)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343520011-1

REZANOV, I.A.; RASTVOROVA, V.A.; LEONOV, N.N.; Prinimali uchastiye: ANDREYEV, S.S.; GAL'PERIN, Ye.I.; DOHABEDOV, A.T.; KATS, A.Z.; KOSMINSKAYA, I.P.; LEONOV, N.N.; MASARSKIY, S.I.; MEDVEDEV, S.V.; PETRUSHEVSKIY, B.A.; PUCHKOV, S.V.; RASTVOROVA, V.A.; REZANOV, I.A.; SAVARENSKIY, Ye.F.; KHARIN, D.A.; Red karty: GAMBURTSEV, G.A.

Establishment of detailed seismic regions as exemplified by a region of western Turkmenistan. Biul. Sov. po seism. no.8: 131-141 '60. (MIRA 13:10)

1. Institut fiziki Zemli AN SSSR.
(Turkmenistan--Seismology)

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