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3(5) PHASE I BOOK EXPLOITATION SOV/1886

Soveshchaniya rudnichnaya geologiya po metallogenicheskim i prognoznym kartam, Alma-Ata, 1958.

Materialy soveshchaniya rudnichnaya geologiya po metallogenicheskim i prognoznym kartam; dokumenty. (Materials Presented at the Scientific Session on Metallogenetic and Postulated Ore Occurrence Maps; Reports) Alma-Ata, Izd-vo AN Kazakhskoy SSR, 1958. 318 p. Errata slip inserted. 3,650 copies printed.

Ed.: A.S. Pogorelov; Tech. Ed.: P.F. Alferova.

Sponsoring Agencies: (1) Akademiya nauk Kazakhskoy SSR, Alma-Ata, (2) Akademiya nauk Kazakhskoy SSR, Alma-Ata, (3) USSR, Ministerstvo geologii i okhrany nedr, (4) Kazakh SSR, Ministerstvo geologii i okhrany nedr.

PURPOSE: This book is intended for exploration geologists, mining engineers, and cartographers.

Materials Presented (Cont.) SOV/1886

COVERAGE: This collection of reports was presented at the United Scientific Session on Metallogeny and Postulated Ore Occurrence Maps convened by the Academy of Sciences in Alma-Ata, December 1956. The reports deal with various aspects of compiling metallogenetic and ore occurrence maps as well as the methodology and techniques of correlating geophysical exploration data. These reports deal only with non-ferrous metals. Three other reports delivered at the conference but not included in this work were read by Ye.Ye. Zakharov, N.S. Shatskiy, and N.K. Gorshkiy. References accompany each article.

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SATPAYEV, K.I.; BORUKAYEV, R.A.; AKHMEDSAFIN, U.M.; BOK, I.I.; KUSHEV, G.L.; SERGIYEV, N.G.; SHLYGIN, Ye.D.; SHCHERBA, G.N.; MONICH, V.K.; LOMONOVICH, I.I.; LAVROV, V.V.; MEDOYEV, G.TS.; NOVOKHATSKIY, I.P.; BARBOT-DE-MARNI, A.V.; GALITSKIY, V.V.; KOLOTILIN, N.F.; ZHILINSKIY, G.B.; KAYUPOV, A.K.; KAZANLI, D.N .; SATPAYEVA, T.A.; ABDULKABIROVA, M.A.; GAZIZOVA, K.S.; VEYTS, B.I.; KHAYRUTDINOV, D.Kh.; MUKHAMEDZHANOV, S.M.; CHOLPANKULOV, T.Ch.; PARSHIN, A.V.; TAZHIBAYEVA, P.T.; YANULOVA, M.K.; BYKOVA, M.S.; VOLKOV, A.N.; BOLGOV, G.N.; MITRYAYEVA, N.M.; CHOKABAYEV, S.Ye.; KUNAYEV, D.S.; YARENSKAYA, M.A.; REBROVA, T.I.

Tireless explorer of the depths of the earth's crust; on the 65th birthday and 40th anniversary of the scientific engineering activities of Academician M.P. Rusakov. Vest. AN Kazakh. SSR 13 no.12:96-97 D '57. (MIRA 11:1)

(Rusakov, Mikhail Petrovich, 1892-)

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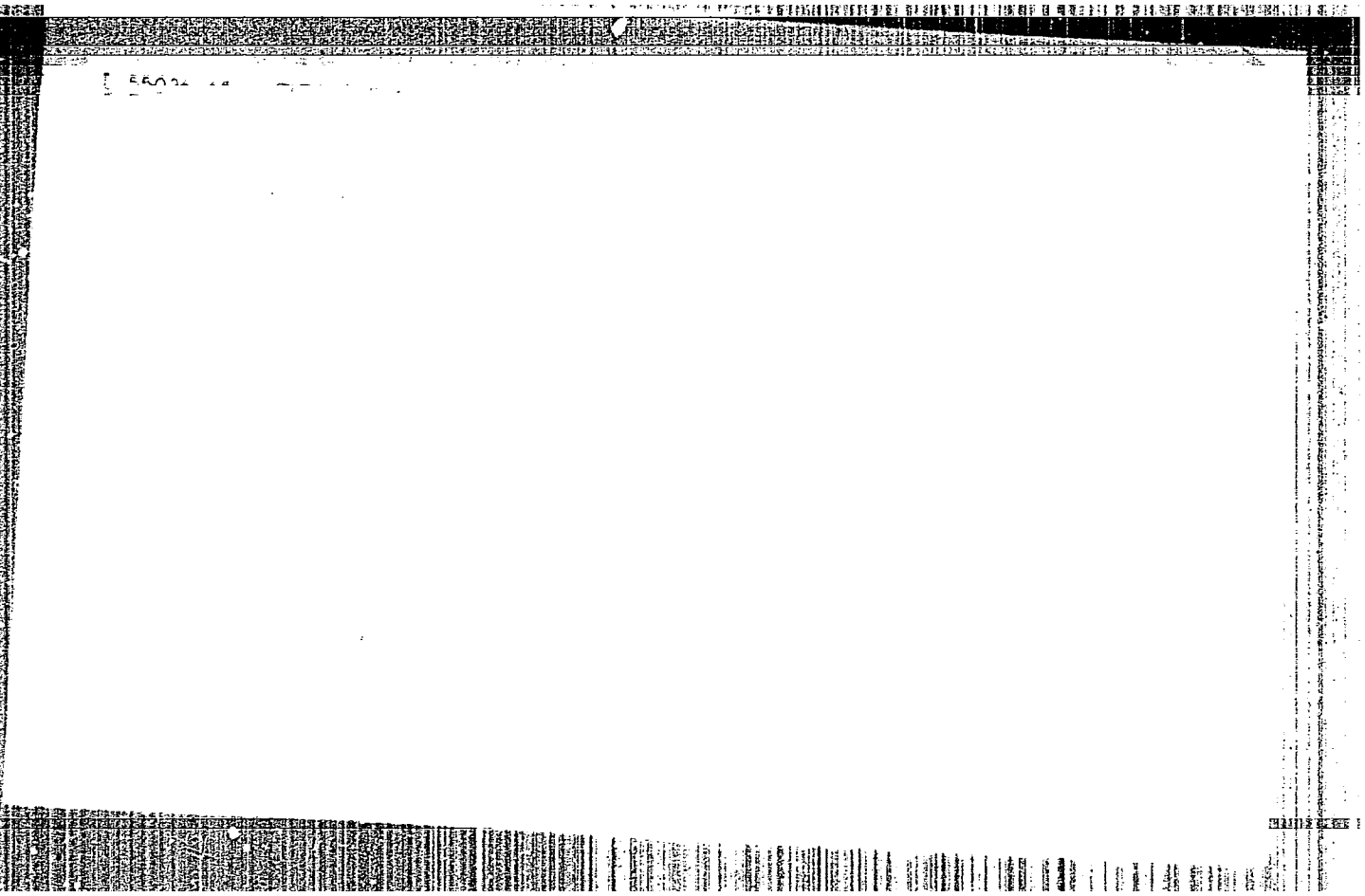

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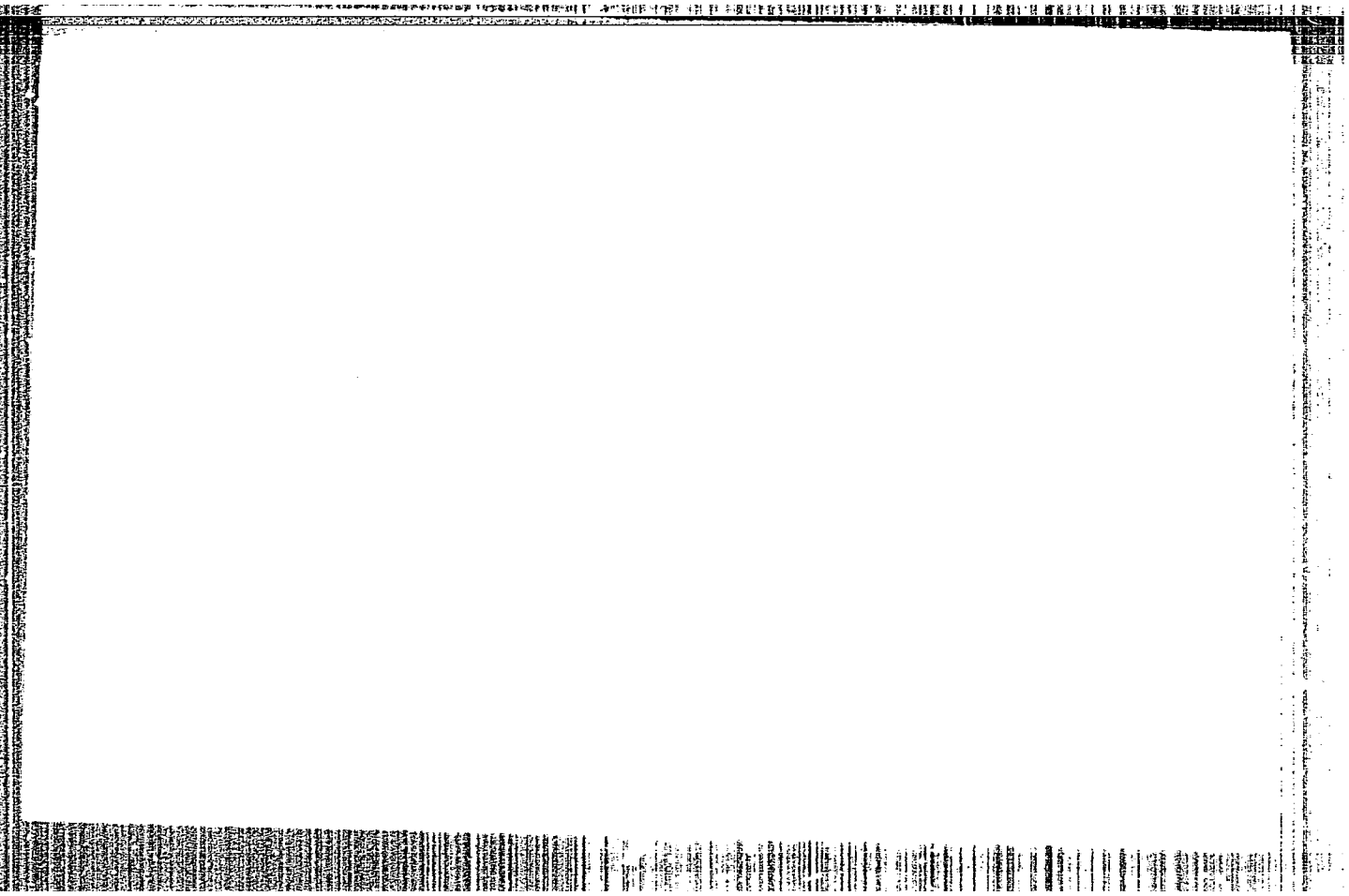

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BAKHTYUKOV, V.M., inzh.; ZHILINSKIY, I.B., kand.tekhn.nauk, dotsent; SMIRNOV, V.I., kand.tekhn.nauk

Effect of the velocity of the surrounding medium on the disintegration characteristics of cylindrical jets of liquid. Izv.vys. ucheb.zav.; energ. 8 no.4:101-104 Ap '65. (MIRA 18:4)

1. Moskovskiy institut khimicheskogo mashinostroyeniya.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ZHILINSKIY, I.B., kand.tekhn.nauk

Methods for calculating the economic efficiency of a steam power plant. Trudy MIKHM vol.16:141-145 '58. (MIRA 14:7)
(Steam power plants)

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

PINAYEV, A.V., kand.tekhn.nauk, dotsent; ZHILINSKIY, I.B., kand. tekhn. nauk

Use of spiral coil refrigerators in the manufacture of resins. Trudy MIKHM vol.16:72-82 '58. (MIRA 14:7)
(Resins, Synthetic) (Refrigeration and refrigerating machinery)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

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ZHILINSKIY, I.B.

PHASE I BOOK EXPLOITATION SOV/3685

Moscow. Institut khimicheskogo mashinostroyeniya

Teplovyye protsessy v proyzvodstvennoy (Thermal Processes in Industry) Moscow, 1958. 145 p. (Series: Its: Trudy, v. 16, No. 2) 1,500 copies printed.

Resp. Ed.: S.N. Shorin, Professor, Tech. Sci.; B.K. Shorin; Editorial Board: S.I. Shchepkin, Professor; Honored Worker in Science and Technology (Resp. Ed.); A.M. Lastovtsev, Professor; N.M. Kirvayev, Professor; D.P. Rokcev, Docent; L.V. Petrokas, Professor; P.N. Rashchikov, Docent; I.M. Sokolov, Professor; S.I. Sokolov, Professor; A.M. Khodzhayev, Docent; S.N. Shorin, Professor; N.I. Basov, Candidate of Technical Sciences (Scientific Secretary).

PURPOSE: This collection of articles is intended for physicists, chemical and industrial engineers, and technicians interested in problems of thermodynamics and fuel combustion in various industries.

COVERAGE: The book contains 11 articles which give the results of research on heat convection, combustion dynamics, fuel economy, and the mechanization of heating processes. No personalities are mentioned. References accompany some of the articles.

Sokolov, A.A. Study of the Heat Convection of Molten Glass in Tank Furnaces With Computations Based on a Model 3

Sokolov, A.A. Use of the Electrothermal Analogy Method to Demonstrate the Transfer of Heat Through the Tank Wall of a Furnace for Melting Glass 17

Yermolayev, O.N. Experimental Study of a Gas Flame 23

Maykov, V.P., and V.V. Shelomov. Theory of Heat Conditions in a Tunnel Furnace for Seafcoking 37

Filipkiy, I.Ya. Investigation of Dry Quenching of Coke 55

Gromiko, N.P. The Problem of Determining Specific Norms of Fuel Consumption in the Production of Magnesium Chloride

Rinayev, A.V., and I.B. Zhilinskiy. Experiment in the Use of a Coil-Type Heat Exchanger in the Production of Resins 61

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Zhilinskiy, I.B. Problem of Methods for Computing the Economic Efficiency of Steam Power Plants 121

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

SOV/124-58-10-11617

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 10, p 132 (USSR)

AUTHOR: Zhilinskiy, K. A.

TITLE: On Design Calculation of Groups of Low Piles (K raschetu nizkikh svaynykh rostverkov)

PERIODICAL: Sb. nauchn. tr. Voronezhsk. inzh.-stroit. in-t, 1957, Nr 5, Nr. 1, pp 49-54

ABSTRACT: Bibliographic entry

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APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ZHILINSKIY, K.A., kand.tekhn.nauk, dots.; LIPSON, G.A., starshiy prepodavatel'

Using slabs in constructing foundation bases on quicksand.
Shor.trud.VISI ,no.4:47-51 '58. (MIRA 12:8)
(Foundations) (Soil mechanics)

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

KORENEV, B.G.; ZHILINSKIY, K.A.; BUNIN, N.N. [translator]; BUNKIN, G.I. [translator]; GRISHINA, M.M. [translator]

Reviews and bibliography. Osn., fund.i mekh.grun. no.6: 30-3 of cover '59. (MIRA 13:4)
(Bibliography--Foundations) (Bibliography--Soil mechanics)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ZHILINSKIY, K.A. (Voronezh)

Two remarks on the article by B.I.Dalmatov "Rated resistance of clayey soil foundations." Osn., fund.i mekh.grun. 2 no.1:29 '60. (MIRA 13:5)
(Clay) (Foundations) (Dalmatov, B.I.)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ZHILINSKIY, K. A.

"Calculation of Rigid Rectangular Foundations." Cand Tech Sci, Moscow Construction Engineering Inst, Moscow, 1953. Dissertation (Referativnyy Zhurnal--Mekhanika Moscow, Feb 54)

SO: SUM 186, 19 Aug 1954

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

BEREZANTSEV, V.G. (Leningrad); GOLUBKOV, V.N.; ZHILINSKIY, K.A., dotsent; MAKAROCHKIN, M.F., prof.; MEDKOV, Ye.I., prof.; BALUSHEV, B., prof.; MYSLIVETS, A., professor doktor (Praga, Chekhoslovakiya)

"Foundations" by N.A. TSytovich. Reviewed by V. G. Berezantsev and others. Osn., fund. i mekh. grun. 3 no.1:28-29 '61. (MIRA 14:3)

1. Zaveduyushchiy kafedroy osnovaniy i fundamentov Odesskogo inzhenerno-stroitel'nogo instituta (for Golubkov). 2. Voronezhskiy inzhenerno-stroitel'nyy institut (for Zhilinskiy). 3. Zaveduyushchiy kafedroy Belorusskogo politekhnicheskogo instituta chlen-korrespondent Akademii stroitel'stva i arkhitektury SSSR (for Makarochkin). 4. Zaveduyushchiy kafedroy Moskovskogo instituta inzhenerov zheleznodorozhnogo transporta (for Medkov). 5. Ot litsa kafedry osnovaniy i fundamentov Inzhenerno-stroitel'nogo instituta, Sofiya, Bolgariya (for Balushev). 6. Chlen-korrespondent Cheshskoy akademii nauk (for Myslivets).

(Foundations)
(TSytovich, N.A.)

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ACC NR: AM6029203 Monograph UR/

Zhilinskiy, Kazimir Yanovich

Insulation of the refrigerated areas of ships; modern methods of calculation (Teploizolyatsiya sudovykh refrizheratornykh pomeshcheniy; sovremennyye metody rascheta) Leningrad, Izd-vo "Sudostroyeniye," 1966, 102 p. diagr., biblio. 2,000 copies printed.

TOPIC TAGS: refrigerator ship, heat insulation, shipbuilding engineering

PURPOSE AND COVERAGE: This booklet is intended for engineering and technical workers in the shipbuilding industry working on the insulation of refrigerated holds of foreign- and Soviet-built ships. It is also useful for students of shipbuilding institutes specializing in the field of insulation. Modern methods of designing insulation for foreign- and Soviet-built refrigeration ships are presented. The basic features of each method and the final results of computations are given. In addition, the author has modified existing methods in order to increase the range of their applicability and to simplify engineering designs. There are 13 references, 10 of which are Soviet.

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ACC NR: AM6029203

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ZHILINSKIY, Kazimir Yanovich; KAUSH, Oskar Ivanovich; LOBANOVA, K.I., inzh., retsenzent; FAVOROV, B.P., inzh., retsenzent; SOSIPATROV, O.A., red.; KOROVENKO, Yu.N., tekhn. red.

[Handbook on the heat insulation of ships] Spravochnik po sudovoi teploizoliatsii. Leningrad, Sudpromgiz. 1963. 340 p. (MIRA 17:3)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ZHILINSKIY, Kazimir Yanovich; BLINKOV, L.M., inzh., retsenzent; RAUSH, O.I., inzh., retsenzent; FAVOROV, B.P., nauchnyy red.; KUSKOVA, A.I., red.; ERASTOVA, N.V., tekhn. red.; KRYAKOVA, D.M., tekhn. red.

[Heat insulation of ships]Sudovaia teploizoliatsiia. Izd.2., perer. i dop. Leningrad, Sudpromgiz, 1962. 404 p.
(MIRA 16:2)

(Insulation (Heat)) (Shipbuilding materials)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ZHILINSKIY, K.Ya., inzh.

Graphic method for determining heat insulation thickness of areas in ships. Sudostroenie 25 no.2:21-23 F '59. (MIRA 12:4)
(Insulation (Heat))
(Ships--Equipment and supplies)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ZHILINSKIY, K.Ya., inzhener.

Simplified method of determining the heat conductivity coefficient of the insulation of refrigerator holds. Sudostroenie 23 no.2:57-59 F '57. (MLRA 10:5)

(Refrigeration on ships)
(Insulation (Heat))

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ZHILINSKIY, Kazimir Yanovich; RAUSH, O.I., otv. red.; FOMICHEV, A.G., red.; KONTOROVICH, A.I., tekhn.red.

[Heat insulation of ship hulls] Teploizoliatsiia korpusa sudna. Leningrad, Gos. soiuznoe izd-vo sudostroit. promyshl., 1958. 230 p. (MIRA 12:1)
(Hulls (Naval architecture)) (Insulation (Heat))

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ZHILINSKIY, I.B.
P.3

PHASE I BOOK EXPLOITATION SOV/3685

Moscow. Institut khimicheskogo mashinostroyeniya

Teplovyye protsessy v promyshlennosti (Thermal Processes in Industry) Moscow, 1958. 145 p. (Series: Its: Trudy, t. 16, No. 2) 1,500 copies printed.

Resp. Ed.: S.N. Shorin, Professor; Tech. Ed.: B.K. Shorin; Editorial Board: S.I. Shchepkin, Professor, Honored Worker in Science and Technology (Resp. Ed.); A.M. Lastovtsev, Professor; N.M. Karavayev, Professor; D.T. Kokorev, Docent; L.V. Petrokas, Professor; P.M. Reshchikov, Docent; S.N Sokolov, Professor; S.I. Sokolov, Professor; A.M. Khodzhayev, Docent; S.N. Shorin, Professor; N.I. Basov, Candidate of Technical Sciences (Scientific Secretary).

PURPOSE: This collection of articles is intended for physicists, chemical and industrial engineers, and technicians interested in problems of thermodynamics and fuel combustion in various industries.

COVERAGE: The book contains 11 articles which give the results of

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research on heat convection, combustion dynamics, fuel economy, and the mechanization of heating processes. No personalities are mentioned. References accompany some of the articles.

Sokolov, A.A. Study of the Heat Convection of Molten Glass in Tank Furnaces With Computations Based on a Model 3

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Otroshko, N.T. The Problem of Determining Specific Norms of Fuel Consumption in the Production of Magnesium Chloride 61

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

Thermal Processes in Industry SOV/3685

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Zhilinskiy, I.B. Problem of Methods for Computing the Economic Efficiency of Steam Power Plants 141

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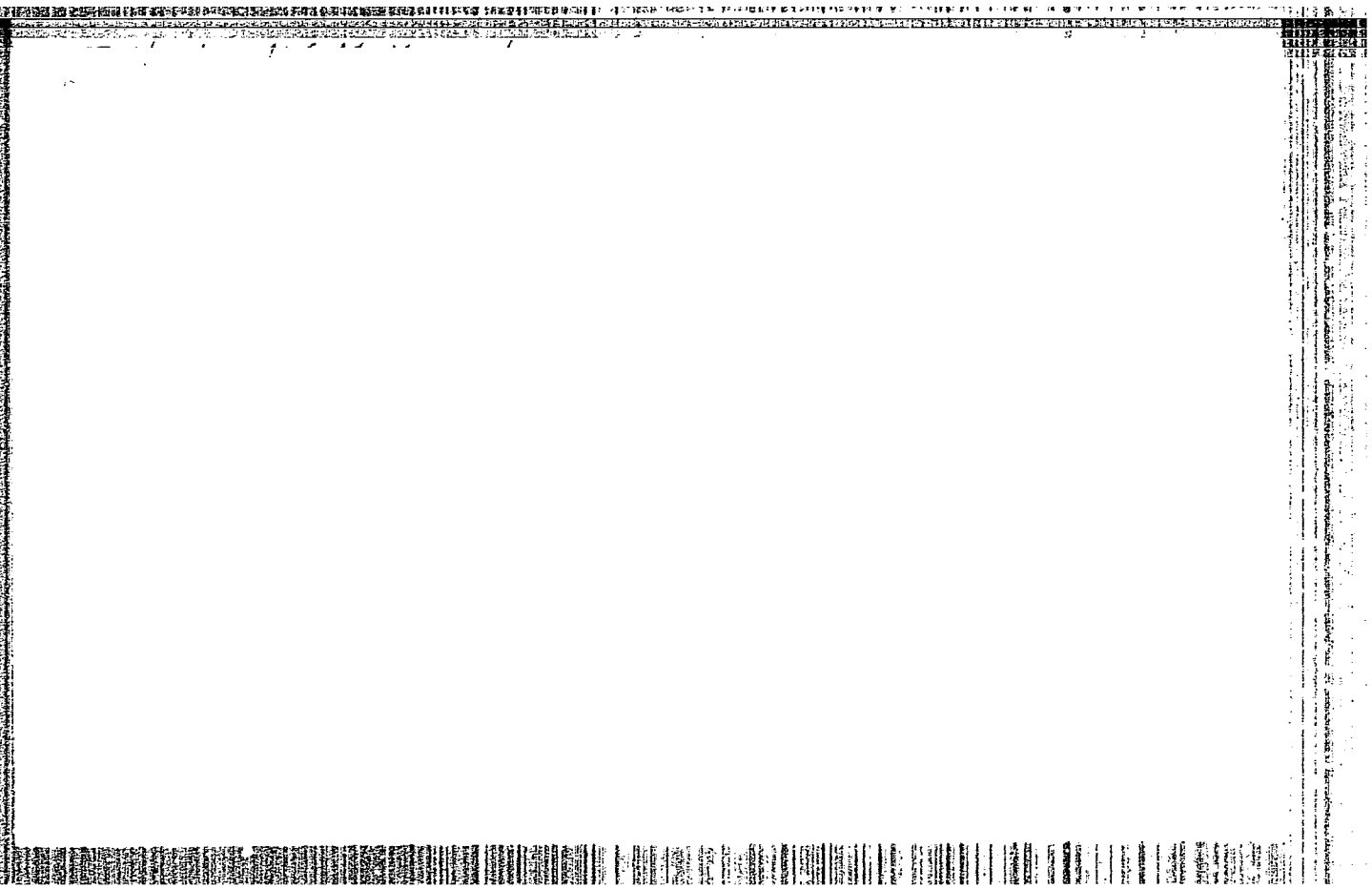

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ZHILINSKIY, O.V.; KOZLOV, V.A.; MIKHAL'KEVICH, I.V.; PETROV, O.D.

Hydraulic system of a broaching machine with two-position safety valves. Stan.i instr. 32 no.6:36-37 Je '61. (MIRA 14:6)
(Broaching machines--Hydraulic driving)

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ZHILINSKIY, O.V., inzh.; KOVZEL', N.I., inzh.; LEMESHONOK, V.D., inzh.; PETROV, O.D., inzh.

Automatic broaching machine for machining bimetallic bushings. Vest.mashinostr. 43 no.8:57-60 Ag '63. (MIRA 16:9)
(Broaching machines)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ZHILINSKIY, Petr Pavlovich; RASTOVA, G.V., vedushchiy red.; FEDOTOVA, I.G., tekhn. red.

[Pipe-laying machinery; operation and repair] Truboukladchiki; ekspluatatsiia i remont. Moskva, Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1961. 129 p. (MIRA 14:7)
(Pipelines--Equipment and supplies)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ZHILINSKIY, Petr Pavlovich; KRAYZEL'MAN, S.M., red.; POLYANSKIY, O.I., vedushchiy red.; TROFIMOV, A.V., tekhn.red.

[Mobile pipe-cleaning machines] Peredvizhnye truboochistnye mashiny. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1960. 82 p. (MIRA 14:3)
(Pipelines--Cleaning)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ZHILINSKIY, T.

Variability of the submicroscopic structure and mechanical properties of polycaprolactam fibers. Izv.vys.ucheb.zav.; tekh.tekst.prom. no.1:17-31 '60. (MIRA 13:6)

1. Lodzinskiy politekhnicheskiy institut.
(Textile fibers, Synthetic)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ZHILINSKIY, V.A., kandidat sel'skokhozyaystvennykh nauk.

Treatment of experimental data obtained from studying the absorption of water by soils. Izv. TSKhA no.2:131-140 '56.
(MLRA 9:12)

(Soil absorption)

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

USSR / Soil Science Tilling. Melioration. Erosion. J

Abs Jour : Ref Zhur - Biologiya, No 11, 1958, No. 48689

Author : Zhilinskiy, V. A.
Inst : Timiryazev Institute of Agriculture
Title : Processing of Experimental Data on the Observations of Subsoil Water Absorption

Orig Pub : Izv. Timiryazevsk. s.-kh. akad., 1956, No 2, 131-140

Abstract : This article examines a mathematical method of processing the primary finding in data analysis on the water absorption by the subsoil. The processing of these data is reduced to the derivation of the integral values of absorption expressed by the dimensions of the layer of the absorbed water, and to the derivation of the mean values of absorption called coefficients

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

USSR / Soil Science Tilling. Melioration. Erosion. J

Abs Jour : Ref Zhur - Biologiya, No 11, 1958, No. 48689

(or rates) of absorption and expressed by the ratio of the layer of the absorbed water to a unit of time. The article also critically examines the methods of computing the intensity of water absorption by the subsoil, developed by A. N. Kostyakov and A. A. Cherkasov. -- S. A. Nikitin

Card 2/2

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

USSR/Soil Science - Physical and Chemical Properties of Soil. J.

Abs Jour : Ref Zhur - Biol., No 15, 1958, 67895

Author : Zhilinskiy, V.A.

Inst : Moscow Agricultural Academy imeni K.A. Timiryazev.

Title : Correctives to Formulae for Determining Coefficients of Absorption into Soil Foundations.

Orig Pub : Dokl. Mosk. s.-kh. akad. im. K.A. Timiryazeva, 1957, No 29, 368-376.

Abstract : The article contains the author's criticial evaluation and proposals on the absorption coefficients worked out by A.N. Kostyakov and A.A. Cherkasov. The following coefficients of absorption in soils have been selected: 1) the integral absorption coefficient for the period elapsed since the beginning of absorption, 2) the average absorption coefficient for the same period,

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

USSR/Soil Science - Physical and Chemical Properties of Soils. J.

Abs Jour : Ref Zhur - Biol., N° 15, 1958, 67895

3) the instantaneous absorption coefficient for the moment corresponding to the end of the period which has elapsed since the beginning of the absorption. A formula is proposed for determining the average absorption coefficient for any time interval. -- P.V. Shramko

Card 2/2

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ZHILINSKIY, V.A., kand. nauk.

Corrections to formulas for determining coefficients of absorption into soils. Dokl. TSKhA no.29:368-376 '57. (MIRA 11:8)
(Soil percolation)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

BELYAEV, Viktor Vasil'yevich, kandidat tekhnicheskikh nauk; LEBEDEV, Boris Mikhaylovich, kandidat tekhnicheskikh nauk; STRUKOV, N.I., kandidat tekhnicheskikh nauk, retsenzent; ZHILINSKIY, V.A., kandidat tekhnicheskikh nauk, redaktor; YEGORKINA, L.I., redaktor izdatel'stva; UVAROVA, A.F., tekhnicheskiy redaktor

[Sprinkling machines; construction, calculation, operation and testing] Dozhdeval'nye mashiny; konstruktsii, raschet, ekspluatatsiia i ispytaniia. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1957. 231 p. (MLRA 10:5)
(Sprinkler irrigation)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ZHILINSKIY, V.A., kandidat sel'skokhozyaystvennykh nauk.

Determining filtration losses of water from canals. Izv.TSKhA no.1:128-139 '57. (MLRA 10:7)
(Irrigation canals and flumes)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

SOV/124-58-7-7792

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 6, p 70 (USSR)

AUTHOR: Zhilinskiy, V.A.

TITLE: On the Determination of the Water Losses Due to Seepage in Periodically Operating Irrigation Canals (K voprosu ob opredelenii poter' vody na fil'tratsiyu iz orositel'nykh kanalov periodicheskogo deystviya)

PERIODICAL: Dokl. Mosk. s.-kh. akad. im. K.A. Timiryazeva, 1957, Nr 31, pp 367-372

ABSTRACT: Bibliographic entry

1. Irrigation systems--Performance 2. Water--Penetration

Card 1/1

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ZHILINSKIY, V.K.

The PKL-70 combine forest plow. Biul.tekh.-ekon.inform. no.8:57-59 '60. (MIRA 13:9)

(Plows)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ZHILINSKIY, Ye.S.; MIDEL'SHTEYN, S.I.

Use of penicillin and oil aerosols in treating otolaryngological disease. Vest. oto-rin. 17 no.5:62-64 S-O '55. (MLRA 9:2)

1. Iz oto-laringologicheskogo otdeleniya poliklinik imeni F.E. Dzerzhinskogo.

(OTORHINOLARYNGOLOGY,
otorhinolaryngol. dis., ther., penicilin in oil, aerosol admin.)
(PENICILLIN, administration,
aerosol, in otorhinolaryngol. dis., in oil)
(AEROSOLS, therapeutic use,
penicillin in oil in otorhinolaryngol. dis.)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

EYDEL'SHTEYN, S.I.; ZHILINSKIY, Ye.S.; GOL'TSER, S.M.

Warm moist antibiotic aerosols. Zhur.ush., nos. i gorl. bol. 23. no.3:62-66 My-Je'63. (MIRA 16:7)

1. Iz Vsesoyuznogo nauchno-issledovatel'skogo instituta antibiotikov, polikliniki imeni F.E. Dzerzhinskogo i TSentral'noy polikliniki Ministerstva zdravookhraneniya RSFSR.
(ANTIBIOTICS) (AEROSOL THERAPY)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

EYDEL'SHTEYN, S.I.; ZHILINSKIY, Ye.S.; GOL'TSER, S.M.

Use of aerosols of antibiotics from the tetracycline series in catarrhal and suppurative diseases of the upper respiratory tract. Antibiotiki 7 no.1:68-71 Ja '62. (MIRA 15:2)

1. Poliklinika imeni F.E. Dzerzhinskogo (glavnyy vrach I.G.Karakozov), TSentral'naya poliklinika Ministerstva zdravookhraneniya RSFSR (glavnyy vrach N.I.Yermolov).
(TETRACYCLINE) (AEROSOL THERAPY) (RESPIRATORY ORGANS--DISEASES)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

L 3[illegible]-66 EWT(1)/[illegible]

ACC NR: AP6005050 SOURCE CODE: UR/0297/65/010/010/0945/0948

AUTHORS: Eydel'shteyn, S. I.; Agronik, S. Kh.; Zhilinskiy, Ye. S.

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B

ORG: Department for Ear, Throat, and Nose Illness/ headed by N. V. Gospodinov/, Polyclinic im. F. E. Dzerzhinskiy, Moscow (Otdeleniye bolezney ukha, gorla, nosa poliklinik)

TITLE: Erythromycin aerosol

SOURCE: Antibiotiki, v. 10, no. 10, 1965, 945-948

TOPIC TAGS: medical research, erythromycin, aerosol

ABSTRACT: Erythromycin has been put into aerosol form for the treatment of diseases caused by staphylococci, particularly upper respiratory diseases. Five hundred patients were examined for the presence of microflora in the upper respiratory tract, and sensitivity of staphylococci to erythromycin was established in 373 cases. Erythromycin aerosol was prepared by dissolving 0.1--0.2 grams (100 000--200 000 units) of powdered erythromycin in 1 ml of 1% spirit solution of citral; this solution was added to 100 ml of 20% glucose heated to 50°. The solution was inhaled at 38--42° for 10--15 minutes daily. Erythromycin ascorbinate (ascorbic salts of erythromycin, an original water-soluble preparation of erythromycin obtained at VNIIA)

Card 1/2 UDC: 615.779.931-014.071

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was adapted for aerosol use. Of the cases treated, cures were observed in 90% of patients with acute catarrh, 81% of patients with chronic pharyngolaryngotracheitis, 90% of patients with chronic hypertrophic rhinitis, and 84% of patients with chronic catarrhal sinusitis. Microbiological data also support the effectiveness of erythromycin aerosols. The following side effects were reported in some cases: bitter taste, feeling of burning in chest, dryness in throat, and dry cough, which can be reduced or forestalled by addition of an antihistamine mixture. Sensitivity of microflora to antiobiotic should determine the use of erythromycin aerosols. Orig. art. has: 2 tables.

SUB CODE: 06/ SUBM DATE: 20Mar64/ ORIG REF: 005/ OTH REF: 009

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APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

EYDEL'SHTEYN, S.I., kand.med.nauk; ZHILINSKIY, Ye.S.

Susceptibility to antibiotics of the microflora of the upper respiratory tract in otorhinolaryngological patients. Zhur. ush., nos. i gorl.bol. 22 no.1:80-81 Ja-F '62. (MIRA 15:5)

1. Iz Vsesoyuznogo nauchno-issledovatel'skogo instituta antibiotikov i iz poliklinik imeni Dzerzhinskogo.
(RESPIRATORY ORGANS--MICROBIOLOGY)
(BACTERIA--EFFECT OF DRUGS ON) (ANTIBIOTICS)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ZHILINSKIY, Yu.M., starshiy prepodavatel'

Calculating permanent radiation units for greenhouses. Izv. TSKHA no.5:161-172 '62. (MIRA 16:7)

(Greenhouses--Lighting)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ZHILIS, B.G.

Convulsions during anesthesia. Khirurgiia 40 no.7:55-60 Jl '64.
(MIRA 18:2)

1. Institut imeni Sklifosovskogo dir. - zasluzhennyy vrach UkrSSR M.M. Tarasov, zamestitel' direktora po nauchnoy chasti - chlen-korrespondent AMN SSSR prof. B.A. Petrov), Moskva.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ZHILIS, B.G.

Laryngitis following intubation. Khirurgiia 39 no.9:120-124 S'63 (MIRA 17:3)

1. Iz anesteziologicheskogo otdeleniya (zav. B.G. Zhilis) Moskovskogo gorodskogo nauchno-issledovatel'skogo instituta skoroy pomoshchi imeni N.V. Sklifosovskogo (glavnyy khirurg-chlen-korrespondent AMN SSSR B.A. Petrov, direktor - zasluzhennyy vrach UkrSSR M.M. Tarasov).

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ZHILIS, B. G.

Combined nitrous oxide anesthesia. Khirurgiia no.4:49-53 '62.
(MIRA 15:6)

1. Iz Moskovskogo gorodskogo nauchno-issledovatel'skogo instituta skoroy pomoshchi imeni N. V. Sklifosovskogo (dir. - zasluzhennyy vrach UkrSSR M. M. Tarasov, glavnyy khirurg - chlen-korrespondent AMN SSSR prof. B. A. Petrov)

(NITROUS OXIDE)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ZHILIS, B.G.

Concentration of ether in the blood in various types of ether anesthesia. Khirurgiia 35 no.6:34-40 Je '59. (MIRA 12:8)

1. Iz 13-y gorodskoy bol'nitsy (glavnyy vrach N.A.Nikolayeva, vedushchiy khirurg - dots. Ye.S.Rabinovich), Moskva.
(ETHER, ETHYL, in blood
concentration in various types of ether anesth. (Rus))

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ZHILIS, B.G.; FAYNBERG, G.D.; FIRSOV, A.A.

Anesthesia in emergency surgery on senile persons. Trudy Inst. im. N.V. Sklif. 9:170-174 '63. (MIRA 18:6)

1. Moskovskiy gorodskoy nauchno-issledovatel'skiy institut skoroy pomoshchi imeni Sklifosovskogo.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

LEBEDEV, V.V.; ZHILIS, B.G.; CHETVERUSHKIN, B.V.

Anesthesia in surgery on craniocerebral traumas. Trudy Inst. im. N.V. Sklif. 9:222-225 '63. (MIRA 18:6)

1. Moskovskiy gorodskoy nauchno-issledovatel'skiy institut skoroy pomoshchi imeni Sklifosovskogo.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ZHILIS, B.G.

Concentration of ether in the blood during various forms of ether anesthesia. Khirurgiia 36 no.7:60-64 Je '60. (MIRA 13:12)
(ETHER (ANESTHETIC))

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

BUKOV, V.A., BYKOV, L.A., VALUK, V.A., VARTBARONOV, R.A., ZHILIS, B.F., KONDRAKOV, V.M., KUZ'MIN, V.A., SYCHEV, G.I. FROLOV, N.I., FOKIN, A.S., KHARINSKIY, A.N. (Saratov)

New method for producing stable neurogenic hypertension in dogs [with summary in English]. Arkh.pat. 20 no.5:21-27 '58 (MIRA 11:6)
(HEART, anatomy and histology,
thebesian vessels, review (Rus))

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ZHILIS, V.I.

Advanced designs of twist drills. Mashinostroitel' no.4:18-21 Ap '65.
(MIRA 18:5)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

Name : ZHILITINKEVICH, S. I.

Remarks : S. I. ZHILITINKEVICH, K. N. SHCHELKUNOV, F. P. BALOBEY, and Ye. K. ALAKHOV are the authors of an article on "Improved Laboratory Radar Field Meter" as developed by the Radio-Engineering Department of the Leningrad Institute of Precision Mechanics and Optics.

Source : P: Izvestiya Vysshikh Uchebnykh Zavedeniy. Priborostroyeniye (News of Schools of Higher Education. Instrument-Building) v. 4, #2, 1961, pp. 3-13. [p].

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APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ZHILITSKAYA, G.A., kandidat meditsinskikh nauk.

Use of Sol-Iletsk mud in inflammatory diseases of the female genitalia outside of the spa. Akush.i gin. no.2:78-79 Mr-Ap '54. (MLRA 7:6)

1. Iz akushersko-ginekologicheskoy kliniki (zaveduyushchiy - professor Ya.N.Polonskiy) Chkalovskogo meditsinskogo instituta.
(Genitourinary organs--Diseases) (Sol-Iletsk--Earths, Medical and surgical uses of)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ZHILITSKIY, A.F. (g. Klachev Mogilevskoy oblasti)

Health education as practiced by a district sanitation and epidemiology station. Fel'd. i akush. 23 no.1:49-50 Ja '58. (MIRA 11:3)
(HEALTH EDUCATION)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ZHILITSKIY, YA. Z.

Agricultural Machinery

Mechanizing soil cultivation in orchards. Sad i og., No. 8, 1952

Monthly List of Russian Accessions, Library of Congress, October 1952. Unclassified.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

1. ZHILITSKIY, YA. Z.

2. USSR (600)

4. [illegible]

7. Capacity of apple tree roots for sprouting when injured.
Sad. i og. No. 9. 1952.

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

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ZHILITSKIY, Ya. Z.

"Development of the Root System of Appletrees in Connection With the Working of the Soil in Orchards." Cand Agr Sci, Sci Res Inst of Fruit Growing, Michurinsk, 1953. (RZhBiol, No 1, Sep 54)

SO: Sum 432, 29 Mar 55

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

MOISEYEV, Nikolay Fedorovich; KUZNETSOV, Mikhail Mikhaylovich; ZHILITSKIY, Ya.Z., retsenzent; TOPIL'SKIY, F.A., inzhener, redaktor; YAGORKINA, L.I., redaktor izdatel'stva; UVAROVA, A.F., tekhnicheskiy redaktor

[Machines and apparatus for the mechanization of work in orchards and vineyards] Mashiny i orudiia dlia mekhanizatsii rabot v sadakh i vinogradnikakh. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1957. 352 p. (MIRA 10:9)
(Agricultural machinery)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ZHILITSKIY, Ya.Z., kand.sel'skokhozyaystvennykh nauk; GERASIMOV, N.I.

The BDN-1,3 and BDN-2,2M mounted disk harrows. Biul.tekh.-ekon.inform.-Gos.nauch.-issl.inst.nauch. i tekh.inform. no.4:71-75 '62. (MIRA 15:7)

(Harrows)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ZHILITSKIY, Ya.Z.; LOSEV, N.P.

The PPN-40 mounted subsoil plough. Biul.tekh.-ekon.inform.Gos.-nauch.-issl.inst.nauch.i tekh.inform. no.3:53-54 '62. (MIRA 15:5)

(Plows)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

Z 1112 17.3 K 17 42.2

KAMSHILOV, N.A.; ANTONOV, M.V.; BAKHAREV, A.N.; BLINOV, L.F.; BORISOGLEBSKIY, A.D.; GAR, K.A.; GARINA, K.P.; GORSHIN, P.F.; GUTIYEV, G.T.; DELITSINA, A.V.; DUBROVA, P.F.; YEVTUSHENKO, A.F.; YEGOROV, V.I.; YEREMENKO, L.L.; YEFIMOV, V.A.; ZHILITSKIY, Ya.Z.; ZHUCHKOV, N.G., prof.; ZAYETS, V.K.; ISKOL'DSKAYA, R.B.; KOLESNIKOV, V.A., prof.; KOLESNIKOV, Ye.V.; KOSTINA, K.F.; KRUGLOVA, V.A.; LEONT'YEVA, M.N.; LESYUK, Ye.A.; MUKHIN, Ye.N.; NAZARYAN, Ye.A.; NEGRUL', A.M., prof.; ODITSOV, V.A.; OSTAPENKO, V.I.; PETRUSEVICH, P.S.; PROSTOSERDOV, N.N., prof.; RUKAVISHNIKOV, B.I.; RYABOV, I.N.; SABUROV, N.V.; SABUROVA, T.N.; SAVZDARG, V.E.; SEMIN, V.S.; SIMONOVA, M.N.; SMOLYANINOVA, N.K.; SOBOLEVA, V.P.; TARASENKO, M.T.; FETISOV, G.G; CHIZHOV, S.T.; CHUGUNIN, Ya.V., prof.; YAZVITSKIY, M.N.; ROSSOSHCHANSKAYA, V.A., red.; BALLOD, A.I., tekhn.red.

[Fruitgrower's dictionary and handbook] Slovar'-spravochnik sadovoda. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1957. 639 p. (MIRA 11:1)

(Fruit culture--Dictionaries)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

DANTSIS, Ya.B., kand.tekhn.nauk; ZHILIV, G.M., inzh.

Concerning the increase cosφ of large three-electrode electric furnaces. Vest. elektroprom. 33 no.8:60-65 Ag '62. (MIRA 15:7)
(Electric furnaces)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

EYDEL'SHTEYN, S.I.; AGRONIK, S.Kh.; ZHILINSKIY, Ye.S. [deceased]

Erythromycin aerosol. Antibiotiki 10 no. 10:945-948 O '65.
(MIRA 18:12)

1. Otdeleniye bolezney ukha, gorla, nosa (zav. - N.V. Gospodinova) poliklinik imeni F.E. Dzerzhinskogo, Moskva. Submitted March 20, 1964.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ZHILINSKIY, Ye.S., zasluzhennyy vrach RSFSR; EYDEL'SHTEYN, S.I., kand. med.nauk; Prinimali uchastiye: AGRONIK, S.Ye., vrach; BLINOVA, V.A., vrach; GOSPODINOVA, N.V., vrach; MARAKINA, V.N., vrach; TIMOFEYEVA, K.I., vrach.

Importance of microbiological analysis in the treatment of otorhinolaryngological diseases with antibiotic aerosols. Sbor.nauch.-prak.rab.Poliklin.im.F.E.Dzerzh. no.2:152-162 '61. (MIRA 16:4)

(OTORHINOLARYNGOLOGY) (ANTIBIOTICS) (AEROSOL THERAPY)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

BLINOVA, V.A.; ZHILINSKIY, Ye.S. [deceased]

Prevention of side reactions in antibiotic therapy. Antibiotiki 9 no.7:667-669 Jl '64. (MIRA 18:3)

1. Poliklinika imeni Dzerzhinskogo (glavnyy vrach I.G. Karakozov), Moskva.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ZHIL'KEVICH, M. M.

ZHIL'KEVICH, M. M. Castration of young pigs and boars-cryptorchists. Dzaudzhikau. State Publishing House, North Ossetian ASSR, 1952. 40 pages with illustrations. price 50 kopeks. 1,000 copies.

So: Veterinariya; 30; (3); March 1953; Uncl.
TABCON

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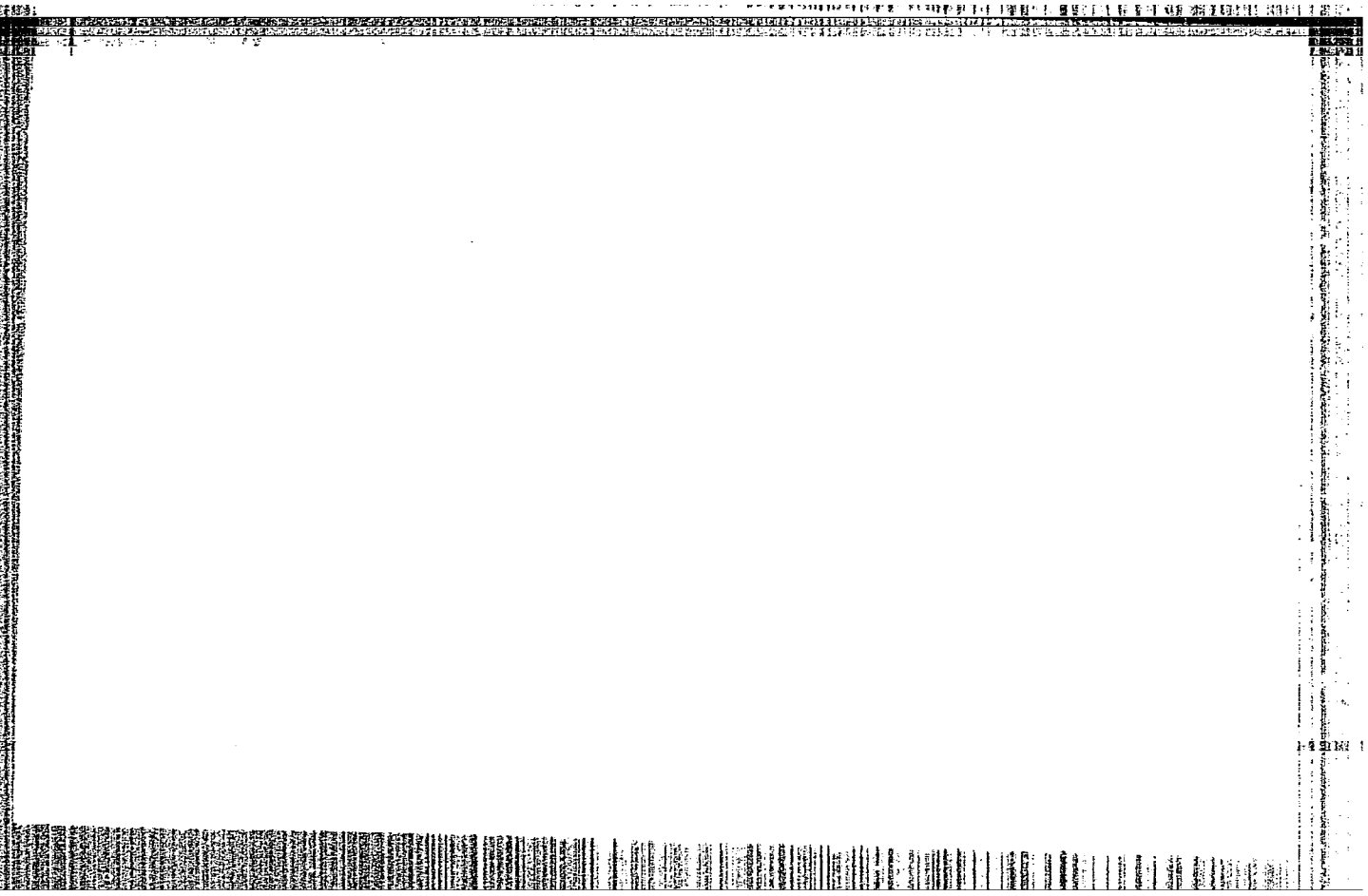

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ed for the various energies. In the case of iron alone, the spectrum did not agree with earlier calculations, probably because of the oversimplification of the

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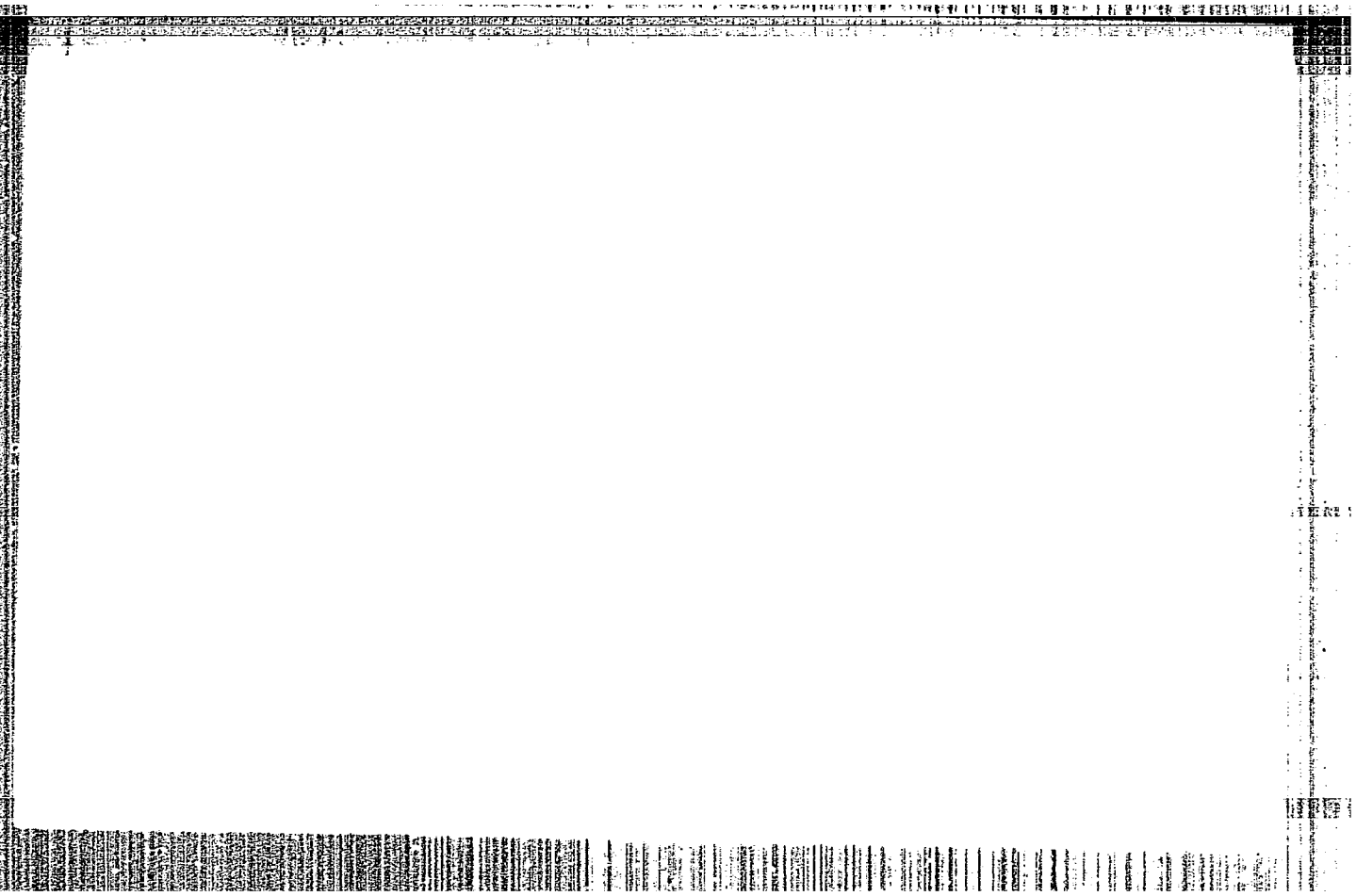

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ZHILKIN, inzhener.

Construction of a turbo-generator factory in conformity with the obligatory building regulations. Biul. stroi. tekh. 10 no.4:10-15 F '53. (MLRA 6:12)

1. Stroytrest No. 43 Minmashstroya.

(Factories)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ZHILKIN, A., mashinist kombayna.

Under difficult conditions. Mast.ugl. 2 no.4:14-15 Ap '53. (MLRA 6:5)

1. Shakhta no.36. (Coal-mining machinery)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

REVTOV, V.D., inzh.; ZHILKIN, A.A., inzh.

Cold press-forging of steel in foreign countries. Biul. TSIICHM no.1:23-28 '61. (MIRA 14:9)
(Forging)

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

KATSNEL'SON, S.M., ZHILKIN, A.N.

Electric Power

Economy of electric power, Tekst. prom. 12 no. 8, 1952.

Monthly List of Russian Accessions, Library of Congress, November 1952, Unclassified.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

KATSNEL'SON, S. M., ZHILKIN, A. N.

Electric Power

Economy of electric power. Tekst. prom. 12 no. 8, 1952.

Monthly List of Russian Accessions, Library of Congress, November 1952. Unclassified

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ZHILKIN, B.D., prof.

Experience in assessing lupine crops in forests. Sbor.nauch. trud.BLTI no.10:92-111 '57. (MIRA 11:12)
(Forests and forestry) (Lupine)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

USSR / Forestry. Forest Management. K-4

Abs Jour: Ref Zhur-Biol., No 16, 1958, 72803.

Author : Zhilkin, B. D.
Inst : Belorussian Forestry Institute.
Title : Experiment of Evaluation of Lupine-Wood Farms.

Orig Pub: Sb. nauchn. tr. Belorussk. lesotekhn. in-t, 1957, vyp. 10, 92-111.

Abstract: On the basis of various literature and given Soviet and several foreign investigations, the value of lupine is reviewed for the enrichment of soil with humus and N. The experiment is cited of farms with lupine and wood in dry pine forests and in humid pine-forests on light soils of the Braslav and Negorel' Training-Experimental Leskhozes (BSSR). It is indicated that the seeds of perennial lupine significantly improve the growth of pine and fir

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

USSR / Forestry. Forest Management. K-4

Abs Jour: Ref Zhur-Biol., No 16, 1958, 72803.

Abstract: both on poor and on the richest soils. Accompanying cultivation of lupine for the first 7 years retards the growth of fir in height, but from the 8-12th year of age, the fir makes a rapid change in growth as regards height and subsequently maintains it stably. By weight analysis, it was established that the harvest of organic mass of pine in the humid pine forests on light sands with single-row planting of lupine was exceeded by 35% against the control, and with double row - by 14%; in the dry pine forest it was correspondingly 11 and 38%. The content of total N in the root level was 50% higher with cultivation of lupine than on the control. The content of chlorophyll in the pine needles on plots with lupine exceeded its content on the controls by 84%. Under the influence

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

USSR / Forestry. Forest Management.

Abs Jour: Ref Zhur-Biol., No 16, 1958, 72803. K-4

Abstract: of lupine the pine wood becomes markedly lighter in addition not losing its physical-technical qualities. It is stated that in dry pine forests and in humid pine forests on light soils up to the age of the main cutting, the timber stands with lupine exceed the control by a quality of 2. Agricultural engineering of forest stands with lupine is cited; the economic evaluation of lupine-wood farms and tables of indicators of their productivity are given. -- L. V. Nesmelov.

Card 3/3

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L 05011-67 EWT(m)/EWP(t)/ETI IJP(c) JD/WW/JG/JR/GD

ACC NR: AT6027925 SOURCE CODE: UR/0000/66/000/000/0104/0116

47
B+1

AUTHOR: Broder, D. L.; Zhilkin, A. S.; Zolotukhin, V. G.; Tarasko, M. Z.; Kutuzov, A. A.

ORG: None

TITLE: Fast neutron spectra in metal-water shielding

SOURCE: Voprosy fiziki zashchity reaktorov (Problems in physics of reactor shielding); sbornik statey, no. 2. Moscow, Atomizdat, 1966, 104-116

TOPIC TAGS: fast neutron, radiation shielding, neutron spectrum

ABSTRACT: The authors study the spectra of neutrons in the energy range above 1 mev from sources with energies of 3.35 and 14.9 mev in water and in water behind layers of iron and lead. A scintillation spectrometer with a stilbene crystal was used for the measurements. The sensitivity to γ-quanta was reduced by time division of irradiation. The reactions used for the neutron sources were $D(d,n)He^3$ and $T(d,n)He^4$ produced by using deutrons to bombard zirconium-tritium and zirconium-deuterium targets with a thickness of 18 mg/cm^2. For the measurements in water, the source was located in a paraffin block placed in direct contact to the water tank. The overall dimensions of the shielding were 710×710×600 mm. The scintillation spectrometer was combined with an FEU-13 photomultiplier and an AI-100-1 amplitude analyzer. The results show that

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ACC NR: AT6027925

the neutron spectrum from a monochromatic source in lead and iron differs considerably from that in water. The iron and lead spectrum shows a stronger concentration of low-energy neutrons (<2 Mev). In the energy range from 2 Mev to the initial energy of the 3.35 Mev source and from 4-5 Mev to the initial energy of the 14.9 Mev source, the spectrum in water contains more neutrons than that in iron and lead. This form of spectrum explains the excellent shielding properties of iron and lead for fast neutrons as well as their poor characteristics for comparatively low-energy neutrons. These data also explain the excellent shielding properties of metal-water shielding throughout the entire energy spectrum. Spectra for neutrons in the energy region below the initial energy in water behind layers of lead and iron approach the shape of spectra in water at a thickness of greater than 20 cm. For thinner water layers, particularly below 2-3 Mev, the spectrum shows high concentrations of neutrons in comparison with the spectrum in water. In this transition region there is also a considerable difference from the spectrum in pure water for the energy range from 2 Mev to the initial energy. Orig. art. has: 10 figures, 1 table, 2 formulas.

SUB CODE:20,18/ SUBM DATE: 12Jan66/ ORIG REF: 004/ OTH REF: 004

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

L 05046-67 EWT(m)/EWP(t)/ETI IJP(c) JD/JR/GD

ACC NR: AT6027924 SOURCE CODE: UR/0000/66/000/000/0088/0103

43
B+/

AUTHOR: Broder, D. L.; Zhilkin, A. S.; Kutuzov, A. A.; Suvorov, A. P.

ORG: None

TITLE: Spectra of fast neutrons in heavy homogeneous media

SOURCE: Voprosy fiziki zashchity reaktorov (Problems in physics of reactor shielding); sbornik statey, no. 2. Moscow, Atomizdat, 1966, 88-103

TOPIC TAGS: fast neutron, neutron energy distribution, radiation shielding, neutron scattering

ABSTRACT: The spectra of fast neutrons in iron and lead are measured directly and the asymptotic spectra are calculated in the P_4-th approximation of the method of spherical harmonics using recent measurements for the excitation functions on individual levels in iron and lead. Approximate account is taken of neutron moderation in elastic scattering, and anisotropy due to direct interaction in inelastic scattering. Experimental measurements of the spatial energy distributions of neutrons were done on iron and lead specimens measuring 710×710×600 mm. Two reactions were used as neutron sources: $T(d,n)He^4$ (14.9 mev) and $D(d,n)He^3$ (3.35 mev). Since the deuterium target had a thickness of 20 mg/cm^2, the resultant neutron spectrum in the latter case is not monochromatic. This fact was taken into consideration in the calculations. The neutron spectro-

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L 05046-67
ACC NR: AT6027924

meter was a stilbene crystal combined with an FEU-13 photomultiplier and a 100-channel amplitude analyzer. The theoretical and experimental spectra for iron and lead are compared and show generally satisfactory agreement. Orig. art. has: 9 figures, 1 table, 32 formulas.

SUB CODE: 18,20/ SUBM DATE: 12Jan66/ ORIG REF: 011/ OTH REF: 010

Card 2/2

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

SOV/147-58-3-9/18

AUTHOR: Zhilkin, B.D.

TITLE: Examination of an Electro Inductive Flowmeter Suitable for Rapidly Pulsating Flows (Issledovaniye elektroinduktsionnogo raskhodomera dlya izmereniya bystroperemennogo raskhoda zhidkosti)

PERIODICAL: Izvestiya Vysshikh Uchebnykh Zavedeniy, Aviatsionnaya Tekhnika, 1958, Nr 3, pp 68-77 (USSR)

ABSTRACT: There are many problems of great importance in which the flow of fluid is highly unsteady and fluctuates rapidly, e.g. in combustion chambers, when investigating the actual process of mixing of constituents or spreading of flame, etc., as well as in the case of in investigation of engines over their unstable range of behaviour. In all these cases it is very important to be able to measure the flow of fluids in question and to obtain full information about the mean velocity, fluctuating component of velocity as well as its frequency of fluctuation etc.. There are several types of flowmeters suitable in many cases and these are dealt with in published literature (Ref.1, 2, and 3). When the circular frequency of pulsation exceeds magnitudes

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Examination of an Electro Inductive Flowmeter Suitable for Rapidly Pulsating Flows

of 50 - 60 they begin to be less reliable. Out of many types noted by Grey and Lin (Ref.4), according to the author of this paper, the most suitable is the electroinductive flowmeter operating in a constant magnetic field and this is for the following reasons: 1) linear characteristic of frequencies in the range from zero to several kilohertz; 2) linear relation between the magnitude of the flow and the electromotive force on the electrodes of the pick-up; 3) absence of any adverse potentials which exist in electroconducting liquids and the secondary circuit of the pick-up with the alternating magnetic excitation; 4) absence of any elements in the design of the flowmeter which could introduce distortions in the flow of the fluid; 5) independence of the indications of the apparatus from the viscosity, pressure and density of the medium. The existing (i.e. described in Ref.5, 6 and 7) flowmeters give in effect good results for medium range of frequencies (500 c/s). In order to be able to investigate higher frequencies it appears rational to

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replace the variable magnetic excitation to a constant one and, in addition, for the purpose of measuring both the mean and the fluctuating component of the flow, it was necessary to develop a special design of a transducer with electrodes which would preserve their electrical properties in the presence of a moving fluid and which would not get polarized when transmitting flux through the electro-chemical circuit of the transducer. The analysis of such a transducer is the object of this paper. In the first part of it the author discusses the relationship between the electromotive force of induction and the mass flow of fluids in the case of a flowmeter of rectangular cross-section, giving also some experimental results and, in the second part, the electro-chemical processes on the electrodes of the pick-up used in the flowmeter are discussed. Fig.1 shows diagrammatically the set-up of the arrangement of the electro-conducting fluid passing at right angle through the magnetic field $\bar{B}$ with a speed $\bar{w}$. The electric

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field $\overline{E}$, produced as a result of interaction of the moving fluid and the magnetic field, evokes an inductive e.m.f. in the fluid, ε_{IND}, which is detected by the electrodes of the pick-up and amplified. Assuming that the magnetic field is homogeneous, the walls of the duct electrically non-conductive and the flow inside the duct one-dimensional, then for a thin layer (along Y-axis) of the fluid the laminar profile of velocity is Eq.1, where W'_{cp} - is the mean velocity in the layer. Next, by analogy with a unipolar machine, with Φ being the magnetic flux, Eq.2 follows, which on integration from 0 to be gives Eq.3. Since the velocity profile in X-direction is similar to that in Y-direction, there will also be a similar expression for ε_{IND} for a layer parallel to X-axis. Therefore, to find the true magnitude of the potential on the electrodes (taking into account non-uniformity of the velocity distribution in the fluid) we have Maxwell's equation, Eq.4, which for $\overline{B}$ = const. reduces to Eq.5. Neglecting magnetic fields of the closed currents in the fluid and noting that electro-

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static field is a potential field not only in a medium at rest but also when it moves, we get Eq.6, 7 and 8, where λ is the specific conductivity of the fluid. Since div $J_{PR} = 0$, Eq.9 follows. Thus the problem of determining the potential on the electrodes reduces to that of solving two-dimensional equation of Poisson with the following boundary conditions: 1) on the inner surfaces of the non-conducting walls $\lambda C_T = 0$, hence Eq.10 follows; 2) potential φ is continuous everywhere and equals zero at infinity. Solving Eq.8 by the method of Ref.8 gives Eq.11 and 12. Multiplying Eq.9 by 2/b cos $k\pi y/b$ and integrating gives Eq.13 and 14 which through Eq.15 and 16 leads to Eq.17, 18 and 19. Since $w(x,y)$ depends on the character of the flow (i.e. on Reynolds number) and is still unknown, the theorem of mean value is applied in order to determine the potential on the electrodes. Further, assuming that ψ_1 and ψ_2 do not change in sign, Eq.20-24 follow, where $\varphi = wab$ is the volume flow.

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An analysis of these results suggests: 1) when measuring the mean flow at any section of the duct, the actual velocity distribution does not affect the relationship between the potential of the electrodes and the mass flow of the fluid, i.e. Eq.24 is valid both in the laminar and turbulent flows; 2) electromotive force, induced in the fluid, is directly proportional to the mass flow. Fig.2 shows some experimental results confirming the above findings. However, the high quality of the flowmeter, as indicated by the theoretical analysis, was not fully realized on the models of the apparatus. This is accounted for by the electro-chemical phenomena on the electrodes of the pick-up. The complicated chemical phenomena at the surface of contact of a metal and electrolyte can be roughly separated into two classes, those present when there is a current in the electrolyte and those when there is no current in it. When no current flows in the electrolyte there is a

 boundary layer formed on the electrodes which consists

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of a double layer of charged ions, which is somewhat similar to a flat condenser with two facings. This ionized layer, whose potential φ^E is shown in Fig.3, may be subdivided into two parts: the first in which the ions are tightly held at the surface and the second (diffused layer) in which the ions are at a distance α (equal to ion radius) from the surface. Mean value of the potential (ψ) on the border for fairly diluted electrolytes depends on the velocity (w) of fluid as follows: $\psi = 4\pi\eta w/\varepsilon E$, where η is the viscosity of the fluid, ε - dielectric constant and E - electric field intensity. To obtain a stable dynamic state and stable value of φE, it is necessary to have one of the following electrochemical compounds: Cd/$CdSO_4$; Ag/$AgNO_3$; Zu/$ZuSO_4$; Ag/AgCl$_{TB}$/KCl. Fig.4 shows the electrolitic cell of the pick-up of such a flowmeter, in which the electrodes are not subject to polarization. If an electric cell M/M++X/M be joined into an external electric circuit then, with induced e.m.f. in the fluid, there will be a current produced in

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the circuit of the pick-up. When this current reaches a fairly large value (more than 10^{-6}a) electrodynamic equilibrium at the contact between the metal and solution is disturbed: on one electrode the discharge of ions proceeds faster than the release of molecules from the metal into the solution; on the other electrode the conditions are reversed. As a result of this on the border of the two phases there appears electromotive forces of the opposite sense to the applied e.m.f. but if the current is small (less than 10^{-8}a), the cells remain practically unpolarized; neither is there any any chemical polarization. Fig.5 and 6 show some experimental data obtained with small currents. Based on this evidence it may be said that it is possible to produce a flowmeter capable of measuring the mass flow of an electroconductive fluid pulsating with a frequency of several thousand oscillations per second. Such a flowmeter should consist of a pick-up (transistor) of special construction with a constant magnetic

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Examination of an Electro Inductive Flowmeter Suitable for Rapidly Pulsating Flows

excitation, an amplifier of constant and variable signals and a recording instrument. There are 6 figures and 10 references of which 3 are Soviet, 6 English and 1 French.

ASSOCIATION: Moskovskiy Aviatsionnyy Institut, Kafedra AD-2 (Moscow Institute of Aeronautics, Chair AD-2)

SUBMITTED: 4th March 1958.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ZHILKIN, D.S.; KHETAGUROV, Ya.A.

Some problems concerning apparatus and logic control of the networks of electronic computers. Vych. tekh. no.4:79-97 '62. (MIRA 16:6)
(Electronic computers)

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4"

"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

MILKIN, B.D.

Lupine in forestry and gardening. Bot.; issl. Bel. otd. VBO no.6: 177-186 '54. (MIRA 18:7)

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

ZHILKIN, I., arkhitektor; GIRSHTEL', G., inzh.

Industrial wastes for finishing wall panels. Zhil. stroi. no.1: 20-22 '62. (MIRA 16:1)

(Finishes and finishing)
(Lugansk Economic Region--Walls)

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"APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810015-4

S/076/60/034/009/028/041XX
B020/B056

AUTHORS: Rabinovich, I. B., Murzin, V. I., Zhilkin, L. S.

TITLE: The Isotopic Effect in the Viscosity of Deutero-glycerin and Ethylene Deutero-glycol

PERIODICAL: Zhurnal fizicheskoy khimii, 1960, Vol. 34, No. 9, pp. 1973 - 1975

TEXT: The authors wanted to clarify the relation between the isotopic difference in the viscosity and the association by means of hydrogen binding, and for this purpose they investigated the effect produced by the substitution of hydrogen by deuterium in the hydroxyl groups of glycerin and ethylene glycol upon the viscosity of these compounds. Deuterium was introduced into the alcohols by repeated exchange with heavy water under vacuum evaporation. The deuterium content, the density (ρ_4^{20}), and the refractive index (n_D^{20}) of the isotope analogues are given in Table 1. The viscosity was determined with an accuracy of about 0.2 %. As may be seen from Table 2, the isotopic effect in the viscosity for

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