"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

USSR / Plant Physiology. Mineral Nutrition. I

Abs Jour : Ref Zhur - Biol., No 8, 1958, No 34269

established. The absorption of isotopes by plants of the soil culture was slowed down, due to the absorption of some by soil. Radioactive isotopes entering into the above-ground portion of the plant, concentrated primarily in the straw, less in the husk and relatively small quantity of them accumulated in the seeds. $Sr^{90}$ was accumulating in the seeds in a significant quantity. By applying radioactive isotopes to the upper leaf surfaces of sun flowers and beans, established a weakening of their movement about the plants. $Sr^{90}$ was accumulating, for the large part, in old organs, while $Cs^{137}$ was accumulating in young organs. Application of isotopes in later periods of growth, helped their accumulation in the seeds. Wheat and oat plants are more susceptible to the harmful effect of radioactive emanation in

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YUDINTSEVA, Ye.V.

USSR/Plant Physiology. Mineral Nutrition I-3

Abs Jour : Ref Zhur - Biol., No 7, 1958, No 29388

Author : Guliakin I.V., Iudintseva E.V.
Inst : Not Given
Title : The Intake into Plants of Radioactive Isotopes of Strontium, Cesium, Ruthenium, Circonium and Cerium

Orig Pub : Dokl. AN SSSR, 1956, 111, No 1, 206-208

Abstract : The radioactive isotopes of Sr and Cs in water cultures in 0.05 mcurie/liter concentrations actively entered into above-ground part of the plant, but Zr and Ru were detained in the roots. The content of radioisotopes in plants increased at the end of vegetation. They had no harmful effect on the plants. In an experiment on oats at a radioisotope concentration of 1 mcurie/liter a decrease of the yield was observed. In both cases the radioactive isotope accumulated mostly in the vegetative organs and in relatively small amounts in the reproductive organs.

Card : 1/1

Moscow Agric Acad im K.A. Timiryazev

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

Country : USSR J
Category : Soil Science. Mineral Fertilizers.

Abs. Jour. : 53414

Author : Gulyakin, I.V.; Yudintseva, Ye.V.
Institut. : Timiryazev Agricultural Academy
Title : Plant Uptake of Radioactive Fission Products and Their Accumulation in the Crop after the Application of Lime, Humus and Potash Fertilizers
Orig. Pub. : Izv. Timiryazevsk. s.-kh. akad., 1957, No.2, 121-140

Abstract : Lime and compost which promoted fixiation in the absorbed state of radioactive strontium ($Sr^{89}$ and $Sr^{90}$), cerium ($Ce^{144}$), ruthenium ($Ru^{106}$), and cesium ($Cs^{137}$), when applied to the soil, reduced the plant uptake of these. A considerably smaller content of decomposition products is noted in the reproductive organs. The authors consider it an oportune time to raise the question of possible spreading of radioactive decomposition products in nature. --V.V. Prokoshev

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

USSR/Plant Physiology General. I.

Abs Jour : Ref Zhur - Biol., No 21, 1958, 95596

Author : Gulyakin, I.V., Yudintseva, Ye.V.

Inst : Timiryazevsk Agricultural Academy.

Title : Effect on Plants and Harvest Accumulation of Radioactive Fission Products with Different Distributions in the Soil.

Orig Pub : Izv. Timiryazevsk. s.-kh. akad., 1957, No 3, 53-80

Abstract : In vegetative and small filed plot experiments with oats, wheat, pea and millet which were conducted on podzolic, average clayey well-cultivated soil, the effect of fission products of uranium on plants was studied; mainly of beta-emitters, with a small admixture of gamma-emitters, with a half-life of period 300-400 and more days. It was established that the harmful effect on plants of radioactive exposure to fission products of uranium depends on their

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USSR/Plant Physiology - General I.

Abs Jour : Ref Zhur - Biol., No 21, 1958, 95596

depth in the soil and on the biological features of the plants. During the blending of fission products in containers filled of soil, a harmful effect on peas was noted with a dosage of 1 mcurie per 1 kg of soil, and in the case of application in the upper part of the container - with 0.5 mcurie per 1 kg. According to the data of the authors, wheat and millet are more sensitive to radioactive exposure than oats and peas. Entry into the plants and harvest accumulation of radioactive fission products is increased with an increase in their dosages; however, with harmful dosages, their entry into the plants decreases. If the fission products are set deep in the soil, their entry into plants and harmful effect decrease sharply. Application in podzolic soils of lime and humus also decreases the content of fission products in the harvest of agricultural plants. -- B.P. Pleshkov

Card 2/2

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

USSR/Soil Science. - General Problems. J

Abs Zh. : Ref Zhur Biol., No 19, 1958, 86684

Author : Gulyakin, I.V., Yudintseva, Ye. V.

Inst : Timiryazev Agricultural Academy

Title : Plant Uptake of Radioactive Fission Products and the Soil's Biological Purification from Them

Orig Pub : Izv. Timiryazevsk. s.-kh. akad., 1957, No 3, 81-109

Abstract : The plant uptake, distribution in the separate organs and accumulation in the crop of $Sr^{90}$ $Y^{90}$, $Ru^{106}$ $Rh^{106}$, $Cs^{137}$, $Ce^{144}$, $Pr^{144}$, $Y^{91}$, $Zn^{95}$ $Nb^{95}$, $Co^{60}$ and a mixture of $\beta$ and $\gamma$-emitters containing the majority of the indicated radioisotopes were studied in vegetation experiments with wheat, peas, oats and kidney beans in aqueous cultures. It was deminstrated that with placement of 0.25 microcutie of each radioisotope per 1 vessel (5.5 liters)

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USSR/Soil Science - General Problems. J

Abs Jour : Ref Zhur Biol., No 19, 1958, 86684

a negative effect on the plant was not observed and the plant yield was almost undiminished. The fission products were taken up by the plant rather intensively and accumulated in large quantity in the above-ground organs. $Cs^{137}$ and $Sr^{90}$ were taken up from the solution more intensively and accumulated in aerial organs in greater quantity than other radioisotopes. The major part of the radioisotopes concentrated in the plant vegetative organs; $Cs^{137}$ and $Sr^{90}$ absolutely and relatively more than other isotopes accumulated in the reproductive organs. As the planta age, the absolute quantity of isotopes in the above-ground organs is increased, but their content is diminished per unit of dry substance. The uptake of $Sr^{90}$ and $Cs^{137}$ in plants of oats, peas, clover and timothy grass was studied in vegetation experiments in soil cultures. It was determined that $Sr^{90}$ was taken up from the soil into the plant a great deal more intensively than $Cs^{137}$. Plants can to a

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USSR/Soil Science - General Problems.

J

Abs Jour : Ref Zhur Biol., No 19, 1958, 86684

certain extent purify the soil of the Sr radioisotopes it contains; besides, the lighter the soil is in mechanical composition, the more $Sr^{90}$ is extracted from it by the plants. $Sr^{137}$ /$Cs^{137}$?/ is strongly sorbed by the soil and feebly taken up by the plant; biological means of purifying the soil of it cannot, therefore, be considered applicable. -- B.P. Pleshkov

Card 3/3

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

GULYAKIN, I.V., doktor biol. nauk prof.; KIRILLOVA, N.N., mladshiy nauchnyy sotrudnik; KOROVKINA, A.V., kand. sel'skokhozyaystvennykh nauk; YUDINTSEVA, Ye.V., kand. biol. nauk.

Effect of radiothorium on the growth and yield of wheat [with summary in English]. Izv. TSKhA no.6:7-18 '57. (MIRA 11:3)
(Wheat) (Plants, Effect of radiothorium on)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

GULAYKIN, I. V. and YUDINTSEVA, E. V.

"Uptake of Strontium, Cesium and Some Other Fission Products by Plants and Their Accumulation in Crop Yield;"

paper to be presented at the 2nd UN Intl." Conf. on the peaceful uses of Atomic Energy, Geneva, 1 - 13 Sept 58.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

GUIYAKIN, I.V., doktor biol. nauk, prof.; YUDINTSEVA, Ye.V., kand. biol. nauk.

Problems of agricultural chemistry regarding radioactive isotopes of strontium, cesium, and other fission products [with summary in English]. Izv. TSKhA no.1(20):15-34 '58. (MIRA 11:4)
(Agricultural chemistry) (Radioactive substances)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

GULYAKIN, I.V., prof.,doktor biol.nauk.; YUDINTSEVA, Ye.V., kand.biol.nauk., starshiy nauchnyy sotrudnik; PETROVA, R.K., nauchnyy sotrudnik.

Radiostrontium in relation to calcium, and radiocesium in relation to potassium in soil and plants. Izv. TSKhA no.5:29-42 '58. (MIRA 11:11)

(Strontium--Isotopes) (Cesium--Isotopes) (Minerals in soil)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YULINTSEVA, YE. V.

COUNTRY : USSR

CATEGORY : Cultivated Plants. Ornamental. M

ABS. JOUR. : Ref Zhur-Biologiya, No.1, 1959, No. 1905

AUTHOR : Yulintseva, Ye.V.

INST. : Main Botanical Garden AS USSR

TITLE : The Problem of Propagating Roses by Green Cuttings.

ORIG. PUB. : Byul. Gl. botan. sada AN SSSR, 1958, vyp. 30, 33-38

ABSTRACT : Experiments are described in green cutting the heat-loving rose groups: hybrid tea, climbing, polyantha, hybrid polyantha and rambler. The experiments were made at the Main Botanical Garden since 1948. In the experiments the effect was shown on the rooting of the green cuttings of age, rate of growth of the shoots, the degree of shading produced by the hothouse frames, the calendar dates of cutting. Moreover, a study was

CARD: 1/2

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

17(1) SOV/20-123-2-45/50

AUTHORS: Gulyakin, I. V., Yudintseva, Ye. V.

TITLE: $Co^{60}$ Supply to Plants and Its Accumulation in the Crop (Postupleniye $Co^{60}$ v rasteniya i yego nakopleniye v urozhaye)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol 123, Nr 2, pp 368-370 (USSR)

ABSTRACT: As is well-known, the lack of trace elements, especially of cobalt, causes disturbances in the development of animals and plants (Refs 1,2). The fact that cobalt is absorbed by plants in very small portions only, makes it difficult to determine its absorption and storage in organs during various stages of development though even minute quantities of trace elements can be determined by means of radioactive isotopes. As it can be seen from publications (Refs 3,4), a supply of lime diminishes cobalt absorption from the soil. The authors used wheat (Triticum Persicum) and peas (the type "Capital") for experiments in water and sand sultures. The plants were alternatingly placed into the solution with $Co^{60}$ every 24 hours. The $Co^{60}$ doses applied did not cause any effect on the growth of the plants

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(Table 1). The cobalt absorbed by the plants is stored mainly in the root system (Table 2). Towards the end of the process of growth a relatively greater storage in the overground organs is observed. The Co-absorption continues during the whole period of growth (Fig 3) and has its climax at the time of maturity. In this process the absorption of cobalt is more intense during the early stages of development. The Co-storage per unit of plant dry substance decreases with the proceeding growth of the plants: in the case of ripe wheat about 5 fold, in the case of peas 2.5 fold, as compared to the Co-concentration in young plants. This is the case in vegetative and reproductive parts of the plants (Table 4). The relative $Co^{60}$-distribution is not equal in some overground organs of wheat during various stages of development (Table 4). This holds also for the pea, which, however, conditions unchanged stores about 8 times the Co-quantity as compared to wheat (Table 5). There are 5 tables and 4 references, 3 of which are Soviet.

ASSOCIATION: Moskovskaya sel'skokhozyaystvennaya akademiya im. K. A. Timiryazeva (Moscow Agricultural Academy imeni K. A. Timiryazev)



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Yu.D. Nisevich, Ye. G.

21(4); 17(6) PHASE I BOOK EXPLOITATION SOV/2808

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

Doklady sovetskikh uchenykh: radiobiologiya i radiatsionnaya meditsina (Reports of Soviet Scientists; Radiobiology and Radiation Medicine) Moscow, Izd-vo Glav. upr. po ispol'zovaniyu atomnoy energii pri Sovete Ministrov SSSR, 1959. 429 p. 8,000 copies printed. (Series: Vtoraya Mezhdunarodnaya konferentsiya po mirnomu ispol'zovaniyu atomnoy energii. Trudy, tom 5)

General Ed.: A.V. Lebedinskiy, Corresponding Member, USSR Academy of Medical Sciences; Ed.: Z.S. Shirokova; Tech. Ed.: Ye.I. Mazel'.

PURPOSE: This book is intended for physicians, scientists, and engineers as well as for professors and students at vtuzes where radiobiology and radiation medicine are taught.

COVERAGE: This is Volume 5 of a 6-volume set of reports delivered by Soviet scientists at the Second International Conference on the Peaceful Uses of Atomic Energy, held on September 1-13, 1958, in Geneva. Volume 5 contains 32 reports edited by Candidates of Medical Sciences S.V. Levinskiy and V.V. Sadov. The reports cover problems of the biological effects of ionizing radiation, future consequences of radiation in small doses, genetic effects of radiation, treatment of radiation sickness, uses of radioactive isotopes in medical and biological research, uses of atomic energy for diagnostic and therapeutic purposes, cell absorption of uranium fission products, their intake by plants, and their storage in plants and foodstuffs. References accompany each report.

Reports of Soviet Scientists (Cont.) SOV/2808

Galyukin, I.V., and Ye.V. Prednitsaya. The Plant Intake of Strontium, Cesium, and Other Fission Products and Their Storage in the Crops (Report No. 2311) 357

Pokrovsk, N.P. Mechanism of the Radiation Effect on Heredity and the Problem of Radiosensitivity (Report No. 2074) 372

Tiryakov, S.G., and M.A. Arsen'yeva. Cytogenetic Effect of Ionizing Radiation in Nuclei of Monkey Germ Cells (Report No. 2476) 389

Alikhanyan, S.I., K.P. Garina, S.Ya. Gol'dsm, L.I. Yerofeina, V.G. Zhdanov, N.I. Zhdanova, O.N. Kapitonova, F.S. Klepikova, S.F. Minulin, A.A. Prokof'yeva-Bel'govskaya, and A.V. Tsetsyutnik. Genetic Effect of Radiation and the Selection of Microorganisms Producing Antibiotics (Report No. 2493) 396

AVAILABLE: Library of Congress (QC770.I53)

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APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

GULYAKIN, I.V., prof., doktor biolog.nauk; YUDINTSEVA, Ye.V., kand.biolog. nauk, starshiy nauchnyy sotrudnik

Effect of continuous fertilizer use on the accumulation of radioactive fission products in oats. Izv.TSKhA no.3:37-56 '59. (MIRA 12:10)

(Oats--Fertilizers and manures) (Radioactive substances)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

GULYAKIN, I.V., prof., doktor biolog. nauk.; YUDINTSEVA, Ye.V., kand. biolog. nauk, starshiy nauchnyy sotrudnik; NEUBERG, Ya., aspirant; LEVINA, E.M., nauchnyy sotrudnik

Investigating the proportion between strontium-90 and calcium in soils and in plants. Izv. TSKhA no.5:29-46 '59 (MIRA 13:3)
(Calcium) (Strontium) (Plants--Assimilation)

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

GULYAKIN, I.V., prof., doktor biologicheskikh nauk; YUDINTSEVA, Ye.V., kand.biologicheskikh nauk

Accumulation of fission products in different crops as related to soil properties. Izv.TSKhA no.6:19-38 '59. (MIRA 13:6)
(Radioactive fallout)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDINTSEVA, Ye. V. and GULYAEIN, I. V.

"Agrochemistry of Fragmental Elements."

report presented at the Seventh International Congress of the Intl. Society of Soil Science, Madison, Wisconsin, 15-23 Aug 1960.

Soil Museum, Timiryazev Agricultural Academy, Moscow.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

GULYAKIN, I.V., doktor biologicheskikh nauk prof.; YUDINTSEVA, Ye. V., kand. biologicheskikh nauk, starshiy nauchnyy sotrudnik; LEVINA, E.N., nauchnyy sotrudnik

Proportion between cesium-137 and potassium in soil and plants. Izv. TSKhA no.3:18-29 '60. (MIRA 14:4)

(Cesium)
(Potassium)
(Plants--Assimilation)

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

GULYAKIN, I.V., doktor biologicheskikh nauk, prof.; [illegible]
kand. biologicheskikh nauk, st. nauchnyy sotrudnik

Accession of cobalt by plants and its accumulation in [illegible]
[with summary in English]. Izv. TSKhA no. [illegible]
(Plants--assimilation) (Cobalt)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

GULYAKIN, I.V.; YUDINTSEVA, Ye.V.

Plant uptake of some radioactive fission products and their accumulation in crops. Izv.AN SSSR. Ser.biol. no.6:874-885 N-D '60. (MIRA 13:1)

1. Moskovskaya ordena Lenina sel'skokhozyaystvennaya akademiya imeni K.A.Timiryazeva.
(RADIOACTIVE SUBSTANCES)
(PLANTS--ASSIMILATION)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

GULYAKIN, I.V., doktor biologicheskikh nauk, prof.; YUDINTSEVA, Ye.V., kand.biologicheskikh nauk; LEVINA, E.M., nauchnyy sotrudnik

Accumulation of strontium-90 in farm crops depending on its concentrate in soil. Izv. TSKhA no.6:7-22 '60. (MIRA 13:12)
(Soils--Strontium content) (Field crops)

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

GULYAKIN, I.V., doktor biologicheskikh nauk, prof.; YUDINTSEVA, Ye.V., kand.biologicheskikh nauk, starshiy nauchnyy sotrudnik; LEVINA, E.M., nauchnyy sotrudnik

Effect of the stable cesium isotope on the Cs 137 accession by plants. Izv. TSKhA no.5:97-111 '61. (MIRA 14:12)
(Soils--Cesium content)
(Plants, Effect of cesium on)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

GULYAKIN, I.V., doktor biolog. nauk, prof.; YUDINTSEVA, Ye.V., kand. biolog. nauk, starshiy nauchnyy sotrudnik; LEVINA, E.M., mladshiy nauchnyy sotrudnik

Effect of stable strontium on the uptake of strontium-90 by plants. Izv. TSKhA no.6:97-109 '61. (MIRA 16:8)

(Plants, Effect of strontium on)

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

BYLOV, V.N.; SHTAN'KO, I.I.; YUDINTSEVA, Ye.V.; MIKHAYLOV, I.L.; TSITSIN, N.V., akademik, otv. red.; OGOLEVETS, G.S., red. izd-va; VOLKOVA, V.V., tekhn. red.

[Roses; brief results of introduction at the Main Botanical Garden of the Akademy of Sciences of the U.S.S.R.] Rozy; kratkie itogi introduktsii v Glavnom botanicheskom sadu Akademii nauk SSSR. Moskva, Izd-vo Akad. nauk SSSR, 1962. 223 p. (MIRA 15:8)

1. Moscow. Glavnyy botanicheskiy sad.
(Moscow—Roses—Varieties)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

GULYAKIN, Ivan Vasil'yevich; YUDINTSEVA, Yekaterina Vasil'yevna; ANDREYENKO, Z.D., red.; MAZEL', Ye.I., tekhn. red.

[Radioactive fission products in soils and plants] Radioaktivnye produkty deleniia v pochve i rasteniiakh. Moskva, Gosatomizdat, 1962. 275 p. (MIRA 16:2)
(Plants, Effect of radioactivity on )

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDINTSEVA, Ye.V., kand.biolog. nauk, starshiy nauchnyy sotrudnik

Harmful effect of strontium-90 on wheat [with summary in English]. Izv. TSKHA no.3:94-102 '63. (MIRA 16:9)
(Wheat) (Plants, Effect of strontium on)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDINTSEVA, Ye.V., kand. biolog. nauk

Effect of potassium, sodium, and calcium compounds on the accumulation of cesium-137 in crops. Izv. TSKHA no.4: 76-91 '63. (MIRA 17:1)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YULINTSEVA, Ye.V., kand. biolog. nauk, starshiy nauchnyy sotrudnik;
IEVINA, E.M., mladshiy nauchnyy sotrudnik

Effect of calcium, potassium, and sodium compounds on the accumulation of strontium-90 in crops. Izv. TSKHA no.5:106-120 '63. (MIRA 17:7)

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

GULYAKIN, I.V., doktor biolog. nauk, prof.; YUDINTSEVA, Ye.V., kand. biolog. nauk, starshiy nauchnyy sotrudnik

Effect of a methodical use of fertilizers on the accumulation of radioisotopes in crops. Izv. TSKHA no.6:138-150 '63. (MIRA 17:8)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDINTSEVA, Ye.V., starshiy nauchnyy sotrudnik, kand. biolog. nauk

Radioactive isotopes of strontium, cesium and other fission products in the system soil-plant. Izv. TSKHA no.2:169-181 '64. (MIRA 17:12)

1. Biofizicheskaya laboratoriya Moskovskoy ordena Lenina sel'skokhozyaystvennoy akademii imeni K.A. Timiryazeva.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDITSKAYA, A. I.

"Histochemical Investigation of the Basic Proteins of Derm." Sub 5 Jun 47, Moscow Technological Inst of Light Industry imeni L. M. Kaganovich

Dissertations presented for degrees in science and engineering in Moscow in 1947.

SO: Sum.No. 457, 18 Apr 55

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

CA

The chemical nature of reticulin. A. L. Yudinskaya. *Biokhimiya* 14, 97-101(1947).—The hides of cattle embryos (1.5-2.5 months embryonic development) contain only one fibrous protein, reticulin (I). The hides were washed with water and soaked in 5% NaCl for 4 hrs., to remove simple proteins and other extractives. Complex proteins were removed by soaking in a half-satd. soln. of $Ca(OH)_2$ for 3 hrs. Traces of collagen were removed by heating in water at 60° for 5 hrs. From 50 cattle embryos there was obtained 1.2 g. fat-free, air-dried I, with a moisture content of 12.7%. I contained (on a dry basis) N 14.8%, S 1.1%, and 0.6% cystine. Histidine and arginine were present; tyrosine and cysteine were absent.
H. Priestley

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

GULYAKIN, I.V., prof., doktor biol. nauk; YUDINTSEVA, Ye.V., doktor biolog. nauk; KORGVKINA, A.V., kand. sel'skokhoz. nauk

Effect of mechanical fractions of the soil on the uptake of strontium 90 by a plant. Izv. TSKHA no.4:36-47 '65. (MIRA 18:11)

1. Kafedra agrokhimii i biofizicheskaya laboratoriya Moskovskoy sel'skokhozyaystvennoy ordena Lenina akademii imeni Timiryazeva. Submitted February 16, 1965.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDITSKAYA, A. I.

"Chemical Investigation of Reticulin," Biokhim., 14, No. 2, 1949,

Mbr., Moscow Technological Inst. Light Industry, -1948-.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDITSKAYA, A.I.; KOLCHEV, V.V.

The chemical nature of the process of preparation of protein product from codfish. Rybnoe Khoz. 29, No.6, 57-9 '53. (MLRA 6:6)
(CA 47 no.19:10043 '53)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

VOSKRESENSKIY, Nikolay Aleksandrovich; YUDITSKAYA, Alla Ivanovna; LEBEDEVA, Tamara Mikhaylovna; ITSKOVICH, V.A., red.; TEBYAKOV, A.I., spets. red.; FOMALINA, Ye.A., tekhn. red.

[Comparative evaluation of various methods of fish smoking] Sravnitel'naia otsenka razlichnykh sposobov kopcheniia. Moskva, Vses. nauchno-issl. in-t morskogo rybnogo khoziaistva i okeanografii, 1960. 41 p. (MIRA 14:5)
(Fish, Smoked)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDITSKAYA, A.I.

Chromatographic study of simple phenols. Zhur. prikl. khim. 34 no.2:395-402 F '61. (MIRA 14:2)

(Phenols)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDITSKAYA, A.I., kand.tekhn.nauk; LEPEKDEVA, T.M., mladshiy nauchnyy sotrudnik

Methods of separation and qualitative analysis of phenols from smoked fish. Trudy VNIIRO 45:47-56 '62. (MIRA 16:5)
(Fish, Smoked) (Phenols—Analysis)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDITSKAYA, A.I., kand.tekhn.nauk

Histochemical analysis of fish tissues. Trudy VNIIRO 45:56-59 '62. (MIRA 16:5)

(Fish, Smoked) (Histochemistry)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDITSKAYA, A. N.

USSR / Chemical Technology. Chemical Products and Their Application. Food Industry. I-30

Abs Jour : Ref Zhur - Khimiya, No 3, 1957, No 10450

Author : Yuditskaya, A.N.
Inst : Not given
Title : Dry Proteins from Low Value Small Fish

Orig Pub : Rybnoye khoz-vo, 1954, No 9, 56-59

Abstracts : A method is described for the preparation (on a semicommercial scale) of dried proteins from low-value small fish (pollack and ruff) of different oil contents. The process consists in the separation of the more valuable nutritive proteins from the raw fish, and in the processing of these proteins, to give them certain properties. The separation of the proteins is carried out by treating the fish meal with a 0.25 - 0.50% NaOH solution and allowing to stand for 15-17 hours at the usual temperature, after which pe-

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

USSR / Chemical Technology. Chemical Products and Their Application. Food Industry. I-30

Abs Jour : Ref Zhur - Khimiya, No 3, 1957, No 10450

Abstract : riod the muscle proteins dissolve. The proteins are precipitated in the form of an abundant yellowish white flaky precipitate from the alkaline solution by acetic acid; the precipitate is extracted for oil, alcohol being used in the case of lean fish and ethylene chloride, in the case of oily fish. The protein is made soluble in water by treatment with 1.5 - 1.6% NaOH at 100° for 15-20 min. The solution is neutralized with acetic acid, clarified with perhydrol, and dried. The yield of dry protein from lean fish averages 13%, and from fish of average oiliness, 8%; oily fish yield an average of 7% proteins. The chemical composition of the dried protein is as follows: moisture content 7.9 - 8.65%, oil - traces, mineral substances 11.94 - 12.59%, nitrogenous substances 78.76 - 80.36%. The wastes are processed into fish meal for feed, which may amount to 5-10% of the weight of the raw fish.

Card : 2/2

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

MAKHMUDOV, O.S.; YUDITSKAYA, L., red.; TSAY, A.A., tekhn. red.

[Scarlet fever]Skarlatina. Tashkent, Medgiz, UzSSE, 1962. 12 p. (MIRA 16:3)

(SCARLET FEVER)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDITSKAYA, S. A.

Mbr., Pathological Dept., Central Inst. Ophthalmology im. Gel'mgol'ts, -c1948-.

Mbr., Chair Histology, Med. Inst., Min. Public Health, -c1948-.

"Concerning the Possibility of Redifferentiation of Tissue in Vitro," Dok. AN, 27, No. 7, 1940;

"Observations on the Cultural Growth of Conjunctival Tissue Obtained from Trachoma Patients," Arkhiv Patol., 10, No. 3, 1948.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

GADZHIYEV, A.T.; ABUSHEV, F.A.; YUDITSKAYA, S.I.

Gamasid mites in a natural focus of tularemia, plague and erysipeloid of the Nakhichevan A.S.S.R. Trudy Inst. zool. AN Azerb. SSR 24:152-161 '65. (MIRA 18:5)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

ABUSHEV, F.A.; YUDITSKAYA, S. Kh; MEDVEDEVA, E.P.

Natural foci of tularemia in the Nakhichean A.S.S.R. Zhur. mikrobiol., epid. i immun. 33 no. 12:41-44. D '62. (MIRA 16:5)

1. Iz Dzhul'finskogo protivochumnogo otdeleniya Azerbaydzhanskoy protivochumnoy stantsii.
(NAKHICHEVAN A.S.S.R.--TULAREMIA)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDITSKAYA, V. I.

Lithuania/Physics of the Atmosphere - Water in the Atmosphere, M-4

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 36168

Author: Styro, B. I., Yuditskaya, V. I.

Institution: None

Title: On the Problem of the Age of Raindrops

Original Periodical: Mokslo darbai Vilniaus univ., 1955, 7, 141-150; Lithuanian resumé

Abstract: A measurement was made of the radioactivity of rain with the aid of a setup using a Geiger-Mueller counter. Based on the analysis of the ratios of RaA/RaB/RaC in a sample of rain, conclusions are drawn concerning the duration of the precipitation of the active substance on the drops and an estimate is made of the time interval $\tau$ from the time of the seeding to the time of the precipitation of the droplets from the cloud. Table is given for the values of $\tau$ obtained. In each case there is given a brief description of the rain. The time is calculated and amounts to tens of minutes and hours. It is emphasized that this attempt of determining $\tau$ is the first and there are still many problems to be clarified.

Card 1/1

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDITSKAYA, V. I.

"Effect of Nicotinic Acid on Blood Coagulation in Man," by V. I. Yuditskaya, Belorussian Institute for Advanced Training of Physicians, Zdravookhraneniye Belorussii, No 3, Mar 57, p 48

Observations made by the author have shown that blood coagulation in man is considerably increased under the influence of nicotinic acid. On the average, a 0.1 dose [sic] administered intramuscularly results in a threefold increase in blood coagulation in man. Nicotinic acid may be used to stop hemorrhage in cases of reduced blood coagulation. (U)

SUM. 1374

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDITSKAYA, V.I.

USSR/Pharmacology. Toxicology. Chemo-Therapeutical Preparations. U-7

Abs Jour : Ref Zhur-Biol., No 7, 1958, 33055

Author : Yuditskaya V. I.
Inst : Not given
Title : Effect of Penicillin on Blood Coagulation in Hemorrhage.

Orig Pub : Zdravookhr. Belorussii, 1957, No 5, 33-34

Abstract : The effect of penicillin on the duration of hemorrhage, and the time of blood coagulation was studied on 79 patients (511) observations in the therapeutic, surgical, and oto-laringological sections. A single dose of penicillin was equal to 100-150 thousand units; the course of treatment comprised up to 25 million units. No regular changes in the time of coagulation or in the hemorrhage were noted in any of the blood samples taken at various times in a 24 hour period.

Card 2/1

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

L 36558-65 EWT(m)/EWP(t) Ent(c)/EWP(b)

ACCESSION NR: AP5018808 UR/0124/65/000/[illegible]

AUTHOR: Gudilenly, A. I. (Engineer); Tolmachev, Ye. I. ([illegible] Engineer)

TITLE: New [illegible] wear-resistant alloy

SOURCE: Mashinostroyeniye, no. 5, [illegible], 37-38

TOPIC TAGS: wear resistant metal, metal hardness, [illegible]

Translation: [illegible] Properties [illegible] hardness [illegible] wear [illegible] and abrasive [illegible]

Studies were made of 12 experimental heats the chemical composition [illegible] which are given in the table [illegible] the properties of an alloy [illegible] make it possible to change the [illegible] values by means of heat treatment [illegible] various conditions of abrasive [illegible] of all the types of wear [illegible] the most [illegible] [illegible]

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

ACCESSION NR: AP[illegible]8808

hardness, and for this reason, it can be conducted in exc[illegible]

To determine the relation of the influence of annealing [illegible] the hardness, samples of heat No 50b, were heated to various [illegible] the same cooling conditions and a constant soaking periods.

If annealing takes place at temperatures below [illegible] the alloy does not change and will be equal to [illegible] MPa.

The greatest hardness (Bhn601) is acquired by the [illegible] annealed at 870°C.

Further increase in annealing temperature is not fea[illegible] hardness drops gradually (from Bhn 60[illegible] at 870°C to [illegible] [illegible] samples studied took place. [illegible] [illegible] that in annealing parts in the [illegible] range, a slight increase of their sizes was noted. [illegible] the increase was [illegible] mm, and for 400-mm diameter parts, 0.[illegible] [illegible] shapes has to be taken into account [illegible] [illegible] be conducted after machining.

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

[illegible] has to be taken into account so that nothing

[illegible] have to be conducted after machining.

[illegible] with the use of 1Ch18N10T alloy [illegible]

[illegible] wear resistance of replaceable centrifuge windings which [illegible] of 80% [illegible] rubles annually to the Leningrad [illegible]

[illegible] of the blades of a shot-blasting [illegible]

[illegible] this alloy was [illegible] eight [illegible]

2/

[illegible]

[illegible] possible [illegible]

[illegible] arts,

[illegible] of each [illegible]

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

[illegible] art. has [illegible]

3/4

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

ACCESSION NR: AP5018904

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00

NO REF SOV: 000 OTHER: 000

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

IOSEL'SON, S.A.; TIMOSHENKO, V.G.; YUDITSKIY, B.D. (Stalino)

Physiological and hygienic characteristics of new models of oxygen respirators for mine rescue crews. Gig.truda i prof. zab. 3 no.4:54-55 Jl-Ag '59. (MIRA 12:11)

1. TSentral'naya nauchno-issledovatel'skaya laboratoriya po gornospasatel'nomu delu.
(RESPIRATORS)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDITSKIY, B.Ya.

Case of metastasis of choriocpithelioma into the lung. Vest.rent.i rad. 34 no.5:70-71 S-O '59. (MIRA 13:3)

1. Iz Permskogo oblastnogo onkologicheskogo dispansera (glavnyy vrach M.V. Isakova) i kafedry rentgenologii i radiologii Permskogo meditsinskogo instituta (zav. - dots. G.I. Rylova).
(CHORIOCARCINOMA case reports)
(LUNG neoplasms)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDITSKIY, B.Ya.

Case of a 10-year follow-up of a patient treated for a malignant tumor of the testis. Urologiia 26 no.2:64-65 '61. (MIRA 14:3)
(TESTICLE—CANCER)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDITSKIY, B.Ya.

Telegammatherapy of laryngeal cancer with the GUT-Co-400 apparatus. Med.rad. no.6:14-16 '61. (MIRA 15:1)

1. Iz Permskogo oblastnogo onkologicheskogo dispansera i kafedry rentgenologii i radiologii Permskogo meditsinskogo instituta.
(LARYNX--CANCER) (GAMMA RAYS--THERAPEUTIC USE)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

CHUKICHEV, Ye.M.; YUDITSKIY, B.Ya.

Effect of sodium nicotinate, riboflavin and folic acid on phagocytosis in the process of X-ray therapy in malignant tumors. Med. rad. 10 no.7:61-65 Jl '65. (MIRA 18:9)

1. Kafedra farmakologii (zav. - prof. Yu.S.Grosman) Permskogo meditsinskogo instituta i Permskiy oblastnoy onkologicheskiy dispanser.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDITSKIY, D.

Ca

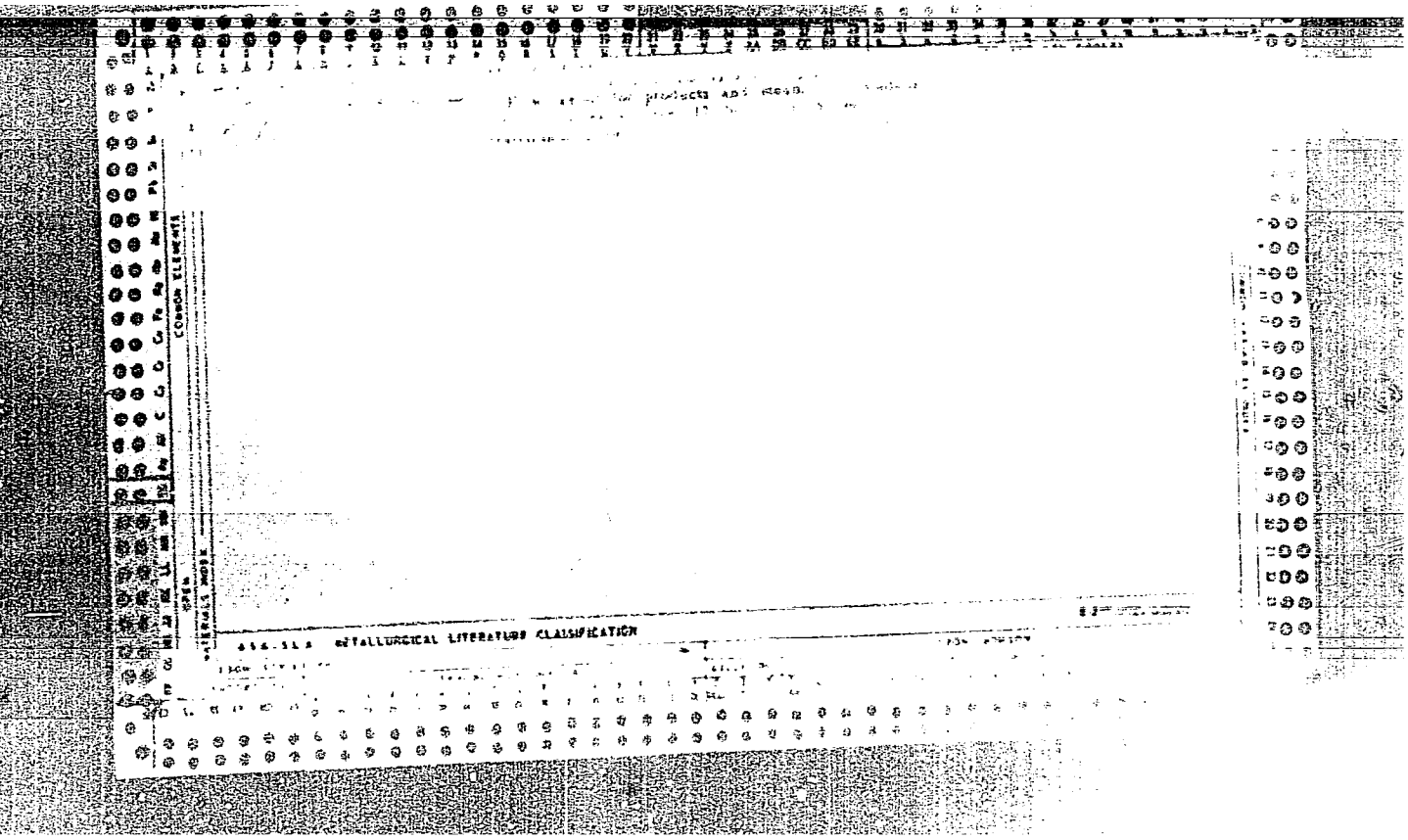
16

Use of Buttner drums for drying grain and malt.—D. Yuditskii, F. Zybin and T. Shumskaya. *Spirto-Vodochnaya Prom.* 16, No. 3, 35-7(1939).—The drums of Buttner malt grain driers can be used successfully for drying wet grain or malt down to 11-12% moisture in about 2 hrs. under mild conditions, with gas entering the drum at about 60 and leaving at about 50°. Julian F. Smith

A3a-S2A METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5



APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDITSKIY, D.G.

Installation diagram for decoction tank manometers and safety valves. Spirt.prom. 20 no.2:42 '54. (MLRA 7:6)
(Liquor industry) (Manometer)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDITSKIY, D.G.

Problem of the selection of rectification apparatus. Spirt. pron. 24 no.6:13-15 '58. (MIRA 11:10)
(Distillation apparatus)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

PROTSAK, I.Ye.; PRIYMAK, V.A.; RUDAKOV, A.A.; SHOTRICH, A.B.; YUDITSKIY, D.G.

Manufacturing liquid fodder yeast from molasses waste and an experiment in feeding cattle. Spirt.prom. 25 no.1:36-38 '59. (MIRA 12:2)

(Yeast) (Feeding and feeding stuffs) (Molasses)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDITSKIY, D.G.; RUDAKOV, A.A.

Rapid cooking of raw material. Spirt. prom. 25 no.6:5-10 '59. (MIRA 12:12)

(Alcohol)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDITSKIY, D. G.; ZVORYKIN, V. V.; ANPILOV, G. D.

Steam expenditure in the production of alcohol from molasses and in the processing of baker's yeast. Spirt. prom. 28 no.8: 29-33 '62. (MIRA 16:1)

1. Kiyevskiy tekhnologicheskiy institut pishchevoy promyshlennosti im. Mikoyana (for Yuditskiy). 2. Upravleniye "Kiyevenergonaladka" (for Zvorykin, Anpilov).

(Distilling industries—Costs)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDITSKIY, D.G.

Economic efficiency of the use of modern equipment in alcohol, liqueur and vodka distilleries. Spirt.prom. 29 no.4:29-33 '63. (MIRA 16:5)

1. Kiyevskiy tekhnologicheskiy institut pishchevoy promyshlennosti imeni Mikoyana.

(Distilling industries--Equipment and supplies)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDITSKIY, D.G.

Economic effect of the new equipment in distilling industries.
Spirt. prom. 29 no.6:25-28 '63. (MIRA 16:10)

1. Kiyevskiy tekhnologicheskiy institut pishchevoy promyshlennosti.
(Distilling industries)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

ASHKINUZI, Z.K.; YUDITSKIY, D.G.

Methods for the water and heat treatment of corn kernels. Ferm. i spirt. prom. 30 no.1:11-13 '64. (MIRA 17:11)

1. Ukrainskiy nauchno-issledovatel'skiy institut spirtovoy i likero-vodochnoy promyshlennosti (for Ashkinuzi). 2. Kiyevskiy tekhnologicheskiy institut pishchevoy promyshlennosti im. Mikoyana (for Yuditskiy).

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDITSKIY, D.G. [Iudyts'kyi, D.H.]; FEDOTKIN, I.M.

Thermal and hydrodynamic testing of a tubular industrial cereal cooker. Khar. prom. no.3:28-33 Jl-S '65. (MIRA 18:9)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YEVSEYCHIK, B.I.; NIKOLAYEVA, L.V.; YUDITSKIY, D.G.

Centralized delivery of carbon dioxide. Ferm. i spirt. prom. 31 no.6:27-28 '65. (MIRA 18:9)

1. Ukrainskiy nauchno-issledovatel'skiy institut spirtovoy i likero-vodochnoy promyshlennosti (for Yevseychik, Nikolayeva). 2. Kiyevskiy tekhnologicheskiy institut pishchevoy promyshlennosti imeni Mikoyana (for Yuditskiy).

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDITSKIY, D.G.

Improved high-speed continuous system for the cooking of starchy raw materials in the Vinnitsa Distillery. Ferm. i spirt.prom. 31 no.3:32-36 '65. (MIRA 18:5)

1. Kiyevskiy tekhnologicheskiy institut pishchevoy promyshlennosti imeni Mikoyana.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDITSKIY, D.G.

Economic efficiency of the production of dry feed yeasts from molasses vinasse. Ferm. i spirt. prom. 30 no.5:27-31 '64. (MIRA 17:10)

1. Kiyevskiy tekhnologicheskiy institut pishchevoy promyshlennosti im. Mikoyana.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDITSKIY, D.I.

Problems concerning the synthesis of the control device of a universal digital computer. Vop. teor. mat. mash. no.2:198-225 '62. (MIRA 15:8)

(Electronic digital computers)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDITSKIY, F., dotsent; SAVIN, S.; YEGOROV, P., starshiy prepodavatel'

Testing graphite rings in the main engine of the motorship "Marshal Govorov." Mor. flot 25 no.5:34-35 My '65. (MIRA 18:5)

1. Leningradskiy korablestroitel'nyy institut (for Yuditskiy).
2. Starshiy mekhanik teplokhoda "Marshal Govorov" (for Savin).
3. Leningradskoye vyssheye inzhenernoye morskoye uchilishche imeni admirala Makarova (for Yegorov).

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDITSKIY, F. [L.] PA 16T3

USSR/Boilers Jul 1947
Steam engineering

"System of Separating Condensed Water from Oil in High-pressure Steam Powered Equipment of Tugs of 300 Optimum Horse Power," F. Yuditskiy, 5 pp

"Mor Flot" No 7

Discusses attachments for boilers for the separation of condensed water from oil. Diagrams of experimental equipment, and adaptation to the tugs "Dezhnev" (1939) and "Riga" (1946).

16T3

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDITSKIY, F. [L.]

PA 28/49T50

USSR/Engineering
Engines, Steam
Engines - Lubrication

Sep 48

"Separating a Condensate From Oil in High-Pressure Steam-Power Plants," F. Yuditskiy, Engr, 2 pp

"Morskoy Flot" No 9

The Cen Sci Res Inst of the River Fleet conducted comprehensive performance tests of high-pressure engines with 300-hp towing power. At same time, thorough study was made of the system which separates condensate from oil. Sets forth problems, solution of which will result in efficient equipment for this vital task.

28/49T50

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDITSKIY, F. L.

GORBUNOV, B.A.; YUDITSKIY, F.L.

[Atlas of designs of marine steam engines] Atlas konstruktsii sudovykh parovykh mashin. Moskva, Izd-vo Ministerstva morskogo i rechnogo flota SSSR, 1953. 74 p.
(Marine engines) (MLRA 7:9)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

GORBUNOV, B.A.; YUDITSKIY, F.L.; MOISEYEV, A.A., nauchnyy redaktor; SANDLER, N.V., redaktor; FLAUM, M.Ya., tekhnicheskiy redaktor.

[Construction of marine steam engines (with a supplement of drawings)] Konstruktsiia sudovykh parovykh mashin s prilozheniem Atlasa chertezhei. Moskva, Izd-vo Ministerstva morskogo i rechnogo flota SSSR, 1953. 343 p. (MLRA 7:7)
(Engines)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDITSKIY, Finvas Leybovich; GOLOVANOV, N.V., redaktor; VOLCHOK, K.M., tekhnicheskiy redaktor

[Power plants of tugboats equipped with MP-10 machinery; operational experience] Silovye ustanovki buksirov s mashinami MP-10; iz opyta ekspluatatsii. Leningrad, Izd-vo "Rechnoi transport," 1956. 78 p.
(Tugboats) (MLRA 10:3)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDITSKIY, F.L., kandidat tekhnicheskikh nauk.

Powerful turbine installations for the river fleet. Rech. transp. 15 no.9:3 of cover S '56. (MLRA 10:2)

(Steam turbines) (Inland navigation)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDITSKIY, F.L.

LAKHANIN, Vladimir Vladimirovich, prof. doktor tekhn.nauk; YUDITSKIY, F.L., retsenzent; KONAKOV, P.K., red.; SHLENNIKOVA, Z.V., red. izd-va; TSVETKOVA, S.V., tekhn.red.

[Heat calculations for marine steam equipment based on the theory of similitude] Teplovoi raschet sudovykh parovykh mashin, osnovannyi na teorii podobiia. Moskva, Izd-vo "Rechnoi transport," 1957. 137 p. (MIRA 11:2)

(Marine engines) (Dimensional analysis)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDITSKIY, Finyaye Leybovich; KURZON, A.G., otvetstvennyy redaktor; SANDLER, E.Y., redaktor izdatel'stva; KOZLYAKOVA, O.I., tekhnicheskiy redaktor.

[Testing ship steam engines] Ispytaniia sudovykh parovykh mashin. Leningrad, Izd-vo "Morskoi transport," 1957. 276 p. (MIRA 10:6)

(Marine engines—Testing)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDITSKIY, F.L.

YUDITSKIY, F.L., kandidat tekhnicheskikh nauk.

Peculiarities of the grouping of geared turbine units on river craft. Sudostroenie 23 no.7:20-24 Jl '57. (MLRA 10:8)
(Marine turbines) (Gearing)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

AUTHOR: Yuditskiy, F. L.

S/170/59/002/10/015/020
B115/B007

TITLE: The Resistance to Wear of Graphite Piston Rings in a Steam Medium

PERIODICAL: Inzhenerno-fizicheskiy zhurnal, 1959, Vol 2, Nr 10, pp 88-92 (USSR)

ABSTRACT: The resistance to wear of graphite piston rings made of an antifriction material of the type D produced by the Moskovskiy elektrodnyy zavod (Moscow Electrode Factory) was tested in a special device at the TsNII rechnogo flota (TsNII of the River Fleet). The basic scheme of the experimental device is given (Fig 1). The packing rings are fitted into a bushing made of cast iron of the type SCh-21-40. The purity of the working surface of the bushing corresponds to grade VVV 7. Each graphite ring consisted of three segments with straight butts (Fig 2). For the determination of wear the weighing method was used, and a formula for calculating the specific radial wear from wear with respect to weight is given. Table 1 contains data for the average specific radial wear of piston rings made from antifriction graphite material of the type

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The Resistance to Wear of Graphite Piston Rings in a Steam Medium

S/170/59/002/10/015/020
B115/B007

15D in dependence on the duration of operation and the number of piston rings. Table 3 shows the results of wear resistance tests carried out with the rings at varying pressure drops between the lower and upper cavities of the cylinder. The wear of graphite packings depends only little on the piston velocity (Ref 1). The life of a ring made of D-type material is, according to the results obtained, 1000 - 2000 hours, but under favorable conditions (overheated steam) and if the graphite material is impregnated with metal, life is considerably longer. Thorough purification from oil is of importance in this connection. There are 2 figures, 3 tables, and 2 references, 1 of which is Soviet.

ASSOCIATION: Tsentral'nyy nauchno-issledovatel'skiy institut rechnogo flota, g. Leningrad (Central Scientific Research Institute of the River Fleet, City of Leningrad)

Card 2/2

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

AUTHOR: Yuditskiy, F.L., Candidate of Technical Sciences, Docent SOV/122-59-6-12/27

TITLE: The Mechanism of the Working of a Graphite Piston Ring Consisting of Separate Segments

PERIODICAL: Vestnik mashinostroyeniya, 1959, Nr 6, pp 40-43 (USSR)

ABSTRACT: Graphite piston rings, owing to their lack of elasticity, are made in (usually three) segments. In operation, the cylinder wall is covered with a graphite film, but experiments have shown that some clearance remains between the ring and the wall and leakage takes place. The piston-ring section is surrounded with clearances and leakage flows exist in each clearance when the piston ring seals off a pressure difference between two sides of the piston. An element of the piston ring is examined and all the forces acting on it are listed under the headings of forces parallel to the cylinder axis, radial forces and tangential forces. The conditions of equilibrium of forces and moments are formulated and an integration is carried out along the segment. Evaluating the forces, those due to gravity are negligible. In a cylinder of 120 mm dia, at

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600 strokes/min, the maximum inertia force is 0.16 kg. At a pressure difference of 5 kg/cm$^2$ the force which presses the ring against the piston groove is 120 kg. The conditions necessary to ensure that the segment is pressed against the cylinder wall are discussed. With a realistic coefficient of friction (about 0.05), the conditions are fulfilled at a pressure difference of 2-3 kg/cm$^2$. The limits of ring-section width necessary to avoid tipping of the segment about its end points are considered. A width of at least half the height of the section is required. These considerations do not change fundamentally when several piston rings are arranged in series. Tests carried out in an experimental cylinder of 100 mm dia, with dry and saturated steam at pressures of 6 and 1 ata, respectively, and a piston speed of 2.4 mm/sec are recorded in the table, where rates of wear are given for each of the three piston rings. The upper ring in the first 100 hours suffered wear at the



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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

The Mechanism of the Working of a Graphite Piston Ring Consisting of Separate Segments SOV/122-59-6-12/27

rate of 0.78 μ/h. The intermediate and lower rings suffered 62 and 46% of this rate of wear, respectively. The rate was much higher in the first 50 hours (2.16 μ/h) but was halved again for a period of 250 hours. There are 6 figures, 1 table and 5 Soviet references.

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDITSKIY, F.L.

Determining losses through graphite piston rings composed of individual segments. Trudy LKI no.29:199-208 '59. (MIRA 14:7)

1. Leningradskiy korablestroitel'nyy institut, kafedra vspomogatel'nykh mekhanizmov i parovykh mashin.
(Marine turbines)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDITSKIY, F.L., kand.tekhn.nauk

Antifriction materials in marine engineering. Sudostroenie 25 no.1:29-32 N '59. (MIRA 13:4)
(Marine engineering)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDITSKIY, Finyas Leybovich; MASLOV, V.V., kand. tekhn. nauk, retsenzent; SHISHKIN, V.G., kand. tekhn. nauk, nauchn.red.; NIKITINA, R.D., red.; SHISHKOVA, L.M., tekhn. red.

[ Graphite packing devices]Grafitovye uplotnitel'nye ustroistva. Leningrad, Gos. soiuznoe izd-vo sudostroit. promyshl., 1961. 188 p. (MIRA 14:9)

(Packing (Mechanical engineering))

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

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ZAKHAROV, Arkadiy Mikhaylovich, kand. tekhn.nauk; MARKOV, Viktor Sergeyevich, dots., kand. tekhn. nauk; YUDITSKIY, F.L., dots., kand. tekhn.nauk, retsenzent; MYASNIKOV, N.V., red.; KAN, P.M., red.izd-va; BODROVA, V.A., tekhn. red.

[Steam power plants on river-going vessels and an increase in the efficiency of their operation]Parosilovye ustanovki rechnykh sudov i povyshenie effektivnosti ikh raboty. Moskva, Izd-vo "Rechnoi transport," 1961. 207 p. (MIRA 15:10)
(Boilers, Marine) (Steam turbines, Marine)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDITSKIY, F.L., kand.tekhn.nauk

Testing graphite piston rings in a diesel. Sudostroenie 27 no.7:31-33 Jl '61. (MIRA 14:12)
(Piston rings - Testing)
(Marine diesel engines)

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

BUBER, B., kand.tekhn.nauk; YUDITSKIY, F., kand.tekhn.nauk

"Marine steam engines" by V. V. Lakhanin. Rech. transp. 20 no.9: 56 S '61. (MIRA 14:9)

(Marine engines) (Lakhanin, V. V.)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDITSKIY, F.L., kand.tekhn.nauk, dotsent

Experimental investigation of the pressure of the actuating fluid on graphite piston rings. Vest.mash. 41 no.7:38-42 Jl '61. (MIRA 14:6)

(Piston rings)

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"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

YUDITSKIY, F.L., kand. tekhn. nauk, dotsent; YEGOROV, P.G., inzh.

Testing of graphite piston rings in the 2Ch 10,5/13 diesel engine. Energomashinostroenie 9 no.10:35-37,47 O '63. (MIRA 16:10)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5"

"APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963110014-5

VORONKOVSKAYA, A.P., inzh.; VORONKOVSKIY, V.P., kand.tekh.nauk; KOZLOV, V.I., kand.tekhn.nauk; TITOV, P.I., prof.; YUDITSKIY, F.L., kand.tekhn.nauk

Temperature of heated surfaces and livability conditions of engine rooms in seagoing motorships. Sudostroenie 29 no.2:18-22 F '63. (MIRA 16:2)

(Ships—Heating and ventilation)
(Insulation (Heat))

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L 45129-66 EWT(1)/EWT(m)/EWP(e)/T WW/DJ/WE/WH

ACC NR: AP6020382 (N) SOURCE CODE: UR/0114/66/000/006/0035/0038

AUTHOR: Yuditskiy, F. L. (Candidate of technical sciences); Yegorov, P. G. (Engineer); Komarov, V. A.

ORG: none

46
B

TITLE: Tests of graphite piston rings in the gas plungers of diesel fuel pumps

SOURCE: Energomashinostroyeniye, no. 6, 1966, 35-38

TOPIC TAGS: engine piston, graphite, diesel engine

ABSTRACT: The article reports the results of tests of the wear resistance and service life of piston rings made of different brands of antifriction graphite materials, to determine the optimum cast iron-graphite pair under conditions of dry friction in a gas medium, at comparatively high temperatures. The wear was determined by six measurements of each ring. The relative wear and the rate of wear were determined from the value of the absolute wear. The test materials for the rings were native materials Brands AO-1500S05 and 2P-1000, and Brand A5V3 made by the "Acheson" company. Results (tabulated) indicate that, of the three materials tested, the best wear resistance was shown

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