TITLE: Ionization of a xenon atom by the electric field of a ruby laser beam

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Pril. [illegible]

TOPIC TAGS: ruby laser, xenon, [illegible] radiation, Q spoiled laser, electric field, multiphoton absorption, [illegible]

ABSTRACT: An electric field, generated by focusing a beam from a Q-spoiled ruby laser at λ = 6943 Å, was used experimentally to ionize a xenon atom. Since the ionization potential of xenon [illegible] ionization of the xenon atom requires [illegible]

Card 1/4

The spatial distribution [illegible]

Card [illegible]

SUBMITTED: [illegible] 01 SUB CODE: [illegible]

NO REF SOV: 001 OTHER: 002 ATD PRESS: 4015

Card 3/4

VORONOV, G.T.

The Effect of Low Temperature on the Structure of Enzymes

Report to be submitted for the 4th International Space Science Symposium (COSPAR) Warsaw, 2-12 June 63

VORONOV, G.T.; IVANOV, I.D.; RAKHLEYEVA, Ye.Ye.

Nature of the polarographic wave of cobalt in the presence of protein substances. Dokl. AN SSSR 157 no.1:194-197 Jl '64

1. Institut mikrobiologii AN SSSR. Predstavleno akademikom N.N. Semenovym.

VORONOV, G.T.; KONONENKO, A.A.

Relationship between the structure and function of ferroporphyrin enzymes. Izv. AN SSSR. Ser. biol. 31 no.1:76-83 Ja-F '66. (MIRA 19:1)

1. Institut mikrobiologii AN SSSR. Submitted August 8, 1965.

LAPSHIN, L., aspirant; LIPIN, V.; RIDER, V.; VORONOV, I.; BELEVANTSEV, I.; BUNIN, L.; MANDRYKA, A.

Experimental farm should serve as an example. Zashch. rast. ot vred. i bol. 10 no.12:19-21 '65. (MIRA 19:1)

1. Permskiy sel'skokhozyaystvennyy institut (for Lapshin). 2. Nachal'nik stantsii zashchity rasteniy, Perm' (for Lipin). 3. Nachal'nik Voronezhskoy oblastnoy stantsii zashchity rasteniy (for Rider). 4. Nachal'nik Petropavlovskogo otryada zashchity rasteniy, Voronezhskaya oblast' (for Voronov). 5. Direktor Pavlodarskoy stantsii zashchity rasteniy (for Bunin). 6. Glavnyy agronom kolkhoza imeni Kirova, Konotopskiy rayon, Sumskoy oblasti (for Mandryka).

VORONOV, I.

Radio technology in forestry. Radio no.9:57 S'55. (MLRA 8:11)

1. Zamestitel' ministra lesnoy promyshlennosti SSSR.
(Radio in forestry)

AUTHOR: Voronov, I.A., Chernyak, S.N., Prikhodko, V.E. and ~~Karasevich, V.I.~~ 136-5-13/14

TITLE: Production of aluminium strip with micron tolerances. (Proizvodstvo alyuminievoy lenty s mikronnymi dopuskami.)

PERIODICAL: "Tsvetnye Metally" (Non-ferrous Metals) 1957, No.5, pp. 79 - 85 (U.S.S.R.)

ABSTRACT: This work, which was carried out in 1956 in participation in a competition organised by the Ministry and the Scientific and Technical Society of Non-ferrous Metallurgy of the U.S.S.R. had as additional authors V.P. Bekhelev, V.G. Pikrovskiy, N.A. Morozov and D.P. Kurbatov. The aims of the work were to study the rolling of aluminium strip to tolerances of ± 0.005 mm by rolling in various types of mills and the production of strip by drawing in special installations. Tables show the production technology used for producing strip 0.5 mm thick to the ordinary tolerances, results of thickness measurements on strip for various methods of rolling, the frequency with which measurements showed values within various tolerances for strip produced by the drawing method, results of thickness measurements along the whole length of coils, results of mechanical tests and the production technology for producing 0.5 mm strip with micron tolerances. The various types of

Card 1/2

Production of aluminium strip with micron tolerances. (Cont.)

136-5-13/14

installation used are illustrated. It was found that by increasing the number of passes on 2-high rolling mills and correct selection of lubricant the percentage of strip with thickness tolerance of ± 0.005 mm can be increased 42%; the proportion rises to 51% with a foil mill. The proportion does not rise if 3- or 4-high mills are used, but a mill with 12 rolls gives a proportion of 68.5%. Better results are obtained by the drawing method, the proportion then being 93%, 80% being 0.5 ± 0.003 mm thick. A simple design of drawing installation is used, with a productivity of 50 and 100 kg/hour for narrow and wide strip, respectively. It was found that with the technology adopted thickness measurements on specimens cut from the front and back ends of the strip were within ± 0.003 mm of the thickness at any part of the strip. Work described has enabled the large scale production of aluminium strip in long lengths and to micron tolerances to be organised, this product being necessary for the production of variable-capacity condensers. The technology is also applicable to other metals and other thicknesses. There are 3 figures, 7 tables and 4 Slavic references.

Card 2/2

ASSOCIATION: The imeni Voroshilova Works (Zavod im. Voroshilova)

AVAILABLE:

VORONOV, I.B.

Electroencephalographic data on the role of the cerebral cortex in the origin of oxygen seizures. Fiziol.zhur. 51 no.7:777-783 '65. (MIRA 18:10)

1. Laboratoriya farmakologii aktivnykh veshchestv Instituta evolutsionnoy fiziologii i biokhimii imeni I.M.Sechenova AN SSSR, Leningrad.

L 1686-66

ACCESSION NR: AP5017392 UR/0239/65/051/007/0777/0783

612.822.3.087:616.8.009.12

AUTHOR: Voronov, I. B.

19
B

TITLE: Electroencephalographic data on the role of the cerebral cortex in the origin of oxygen seizures

SOURCE: Fiziologicheskiy zhurnal SSSR, v. 51, no. 7, 1965, 777-783

TOPIC TAGS: experiment animal, bioelectric phenomenon, cerebral cortex, hyperoxia, midbrain

ABSTRACT: Spontaneous electric activity changes of the cortex produced by high oxygen pressure were investigated in experiments on cats. After the animals were placed into a pressure chamber (100 l volume), oxygen pressure was raised to 4 to 8 atm in 2-3 min. Carbon dioxide formed in the chamber was absorbed by soda lime. Electroencephalographic data were recorded by a 4EEG-1 unit. Various measures were employed to reduce animal movement and the effects of various external factors during the seizures to ensure more accurate recording of EEG data, but none proved completely satisfactory. To stage the experiments under more favorable conditions, a group of 14 cats

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L 1686-66

ACCESSION NR: AP5017392

was administered ether for " cerveau isolé" preparation. Electrodes were affixed in the same positions as in the intact brain experiments, and EEG activity was investigated only 1½-2 hrs after anesthesia effect. The EEG findings show that in the intact brain the onset of a seizure produced by increased oxygen pressure is characterized by desynchronization with sharp peaks and valleys appearing simultaneously for all parts of the cortex. Several seconds later at time of seizure these changes are replaced by typical high voltage "hypersynchronized" discharges comparable to those found for grand mal seizures, corasole induced seizures, and electroconvulsions. In the "cerveau isolé" experiments, oxygen seizures did not develop with increased oxygen pressure, and the characteristic EEG changes were absent. According to literature data, a "cerveau isolé" exposed to high oxygen pressure over a prolonged period still retains its sensitivity to corasole, eserine, arecoline, atropine, and diphasin. Thus, on the basis of the literature and EEG data, the cortex does not appear to be the most oxygen sensitive part of the central nervous system. Various literature studies suggest that the initial link in the pathogenesis of an oxygen seizure may be related to the effect of oxygen on the reticular formation of the midbrain. Orig.

Card 2/3

L 1686-66

ACCESSION NR: AP5017392

art. has: 3 figures.

ASSOCIATION: Laboratoriya farmakologii biologicheskiy aktivnykh veshchestv Instituta evolyutsionnoy fiziologii i biokhimii im. I. M. Sechenova AN SSSR, Leningrad (Pharmacology Laboratory of Biologically Active Substances of the Institute of Evolutional Physiology and Biochemistry, AN SSSR, Leningrad)

SUBMITTED: 14Oct63 ENCL: 00 SUB CODE: LS

NR REF SOV: 005 OTHER: 011

Card 3/3

VORONOV, I. G.; KOZHUKHOVSKIY, I. Ye.

Grain

Grain cleaning and drying points for preparing seed stock. Mekh. elek. sel'khoz. No. 1, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Uncl.

VORONOV, I. G. ; PATSYUK, A. S.

Jute

Ridding jute seeds of dodder and Johnson grass seeds. Sel. i sem. 19 no.6, 1952.

9. Monthly List of Russian Accessions, Library of Congress, September 1953, 2 Uncl.

PATSYUK, A. S. ; VORONOV, I. G.

Agricultural Machinery

Ridding jute seeds of dodder and Johnson grass seeds. I. G. Voronov. A. S. Patsyuk Sel. i sém. 19, No. 6, 1952.

9. Monthly List of Russian Accessions, Library of Congress, September 1953, 2Uncl.

VORONOV, I.G.

[Cleaning and grading of seeds] Ochistka i sortirovanie semian. Izd.2., perer. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1959. 580 p. (MIRA 14:8)
(Seeds—Cleaning) (Seeds—Grading)

VORONOV, I. G.

Dissertation: "Methods of Cleaning and Sorting Seeds of Grain-Legume Crops." Cand Tech Sci, Joint Sci Council of All-Union Sci Res Inst of Mechanization of Agriculture (VIM) and All-Union Sci Res Inst of Electrification of Agriculture (VIESKh), 1 Jun 54. Vecherniyaya Moskva, Moscow, 21 May 54.

SO: SUM 284, 26 Nov 1954

VORONOV, I. G.

Ochistka i sortirovanie semian [Cleaning and sorting seeds]. Moskva, Sel'khozgiz, 1953. 432 p.

SO: Monthly List of Russian Accessories, Vol. 6 No. 12 March 1954.

VORONOV, I. G.; PATSYUK, A. S.

Jute

Ridding jute seeds of dodder and Johnson grass seeds. Sel. i sem. 19 no. 6, 1952.

Monthly List of Russian Accessions, Library of Congress, September 1952. UNCLASSIFIED.

PATSYUK, A. S. ; VORONOV, I. G.

Agricultural Machinery

Ridding jute seeds of dodder and Johnson grass seeds. I. G. Voronov, A. S. Patsyuk Sel. i sem. 19, No. 6, 1952.

Monthly List of Russian Accessions, Library of Congress, September 1952. UNCLASSIFIED.

VORONOV, I.G.

Mechanized threshing floor. Nauka i zhizn' 20 no.9:33 S '53. (MIRA 6:11)
(Grain) (Agricultural machinery)

Preparation of p-aminobenzoyl-J-acid and p-aminobenzoyl-p-aminobenzoyl-J-acid. I. I. Voronov and I. M. Ivanova. *Org. Chem. Ind.* (U. S. S. R.) 5, 199-207 (1938).--The 2 compds. were obtained from 6-amino-1-naphthol-3-sulfonic acid (I) and p-$O_2NC_6H_4COCl$ and subsequent reduction by the methods of Ger. pats. 170,065 and 240,827 for the prepn. of corresponding compds. derived from I and m-$O_2NC_6H_4COCl$. Chas. Blanc

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

VORONOV, I.I.

Draw plate manufacture methods. Metallurg no.6:36 Je '56. (MLRA 9:9)

1.Volochil'shchik tsekha no.3 zavoda "Proletarskiy trud" Uchastnik mezhzavodskoy shkoly po obmenu peredovym opytom zavodov Glavmetiza.
(Drawing (Metalwork))

VORONOV, Ivan K.

Stratification of the village population and collectivization Voronezh Tipo-lit. GSNkh 1925. 175 p.

1. Peasantry - Russia - Voronezh.
2. Agriculture - Russia

VORONOV, Ivan K.

Effective conditions and methods of cultivating of plough-land Voronezh Izd. Voronezhskogo gubstatotdela, 1928. 52 p.

Cyr. 4 S57

1. Tillage.

PRIKHOD'KO, Aleksandr Nikolayevich; SAFRONOV, Mikhail Nikolayevich; VORONKOV, I.M., redaktor; ZHARKOV, D.V., redaktor; GAVRILOV, S.S., tekhnicheskiy redaktor

[A course in theoretical mechanics for technical schools] Kurs teoreticheskoi mekhaniki dlia tekhnikumov. Pod red. I.M.Voronkova i D.V.Zharkova. Moskva, Gos. izd-vo tekhniko-teoret. lit-ry, 1956. 116 p. (MIRA 9:11)

(Mechanics)

SAKHAROV, B.A.; VORONOV, L.N.; TUMIN, I.M.

Conducting a calculation process according to Chokhral'skii's method. Izv. AN SSSR. Neorg. mat. 1 no.2:161-168 F '65. (MIRA 18:7)

1. Gosudarstvennyy institut redkikh metallov i Podol'skiy khimiko-metallurgicheskiy zavod.

L 22140-66 EWT(m)/T/EWP(t) IJP(c) JD

ACC NR: AP6012657 SOURCE CODE: UR/0020/65/160/002/0329/0331

AUTHOR: Finkel', V. M.; Zraychenko, V. A.; Voronov, L. N.

ORG: Siberian Metallurgical Institute im. S. Ordzhonikidze (Sibirskiy metallurgicheskiy institut)

TITLE: Elastic twinning of ferrosilicon

SOURCE: AN SSSR. Doklady, v. 160, no. 2, 1965, 329-331

TOPIC TAGS: silicon alloy, iron, plastic deformation, twinning, dynamic stress, metallography, high speed photography, photographic equipment

ABSTRACT: Elastic twinning of silicon iron with dynamic loading is reported here. The metallographic structure and the high speed photographic equipment are described. Elastic twinning occurs in many metals, but in order to observe it, it is necessary that the loading period be smaller than the period for setting of plastic deformation. This paper was presented by Academician P. A. Rebinder on 15 July 1964. Orig. art. has: 3 figures. [JPRS]

SUB CODE: 20, 11, 14 / SUBM DATE: 14Jul64 / ORIG REF: 011

Card 1/1 BK

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001860920014-0"

Card 2/3

Card 3/3

SOURCE: Ref. zh. Fizika, Abs. 1Ж54

AUTHORS: Voronov, L. N.; Distler, G. I.; Cherikov, M. P.; Chudakov, V. V.

TITLE: Investigation of birefringence in silicon crystals by the method of infrared polariscopy

CITED SOURCE: Sb. Metod fotoelektr. infrakrasn. polariskopii i defekt[illegible] materialov. M., 1962, [illegible]

TOPIC TAGS: silicon, single crystal, double refraction, polari[illegible]

TRANS[illegible] were investigated [illegible]

polariscope. The homogeneity of transmission of infrared radiation

Card 1/2

L 13003-65
ACCESSION NR: [illegible]

in the crystal plane, the dislocation density, and the minority [illegible]

SUB CODE: SS, OP ENCL: [illegible]

Card 2/2

VORONOV, I. P.

Voronov, I. P.

"Investigation of the working process of a two-stage diesel engine equipped with buffer mechanisms for reducing the pressure of combustion under pressure feed". Leningrad Shipbuilding Inst. Leningrad, 1956. (Dissertation for the Degree of Candidate in Technical Sciences).

So: Knizhnaya letopis'
No.25, 1956. Moscow

ACC NR: AP7002315 SOURCE CODE: UR/0117/66/000/007/0035/0036

FILONOV, S. P. (Engineer); Titarenko, V. S. (Engineer); Zheglov, Yu. A. (Engineer); Voronov, I. P. (Candidate of technical sciences)

"Results of Testing of 3700 Turbine Units with Free Piston Gas Generator"

Energo-Mashinostroyeniye, No. 7, 1966, pp. 35-36.

Abstract: Results are presented from a testing of a gas turbine installation with a free piston gas generator produced by the Lugansk Locomotive Plant, designed for driving a centrifugal pump in an oil pipeline pumping station. The installation, the GTU 3700, demonstrated considerably higher efficiency and equivalent economic, starting and control characteristics when compared with open cycle turbine units now being produced. The gas temperature before the turbine did not exceed 490 degrees C. Economic calculations indicated that the unit would be efficiently usable in mainline oil pipeline installations. Orig. art. has: 1 figure. [JPRS: 37,564]

ORG: none

TOPIC TAGS: gas turbine, pipeline

SUB CODE: 13 / SUBM DATE: none / ORIG REF: 002

Card 1/1 UDC: 621.438.001.42

0925 0590

VORONOV, I.S.; KOVALENKO, V.A.

For a new technology in the mines of Gornaya Shoriya. Gor. zhur. no.1:36-40 Ja '64. (MIRA 17:3)

1. VostNIGRI, Novokuznetsk (for Voronov). 2. Gornoye upravleniye Kuznetskogo metallurgicheskogo kombinata (for Kovalenko).

VEDUTIN, V.F., gornyy inzh.; VORONOV, I.S., gornyy inzh.

Hydraulic blasting method of crushing oversize ore. Gor. zhur. no.11:65-66 N '63. (MIRA 17:6)

VINOGRADOV, V.S., inzh.; AL'TSHULER, M.A., kand. tekhn. nauk; POLYAKOV, V.G., inzh.; KUROCHKIN, A.N., inzh.; KARMAZIN, V.I., doktor tekhn. nauk; ZAIKIN, S.A., inzh.; OSTROVSKIY, G.P., inzh.[deceased]; NAUMENKO, P.I., inzh.; BOBRUSHKIN, L.G., inzh.; RUSTAMOV, I.I., inzh.; SHIFRIN, I.I., inzh.; GOLOVANOV, G.A., inzh.; KRASOVSKIY, L.A., inzh.; TSIMBALENKO, L.N., inzh.; RAVIKOVICH, I.M., inzh.; BAZILEVICH, S.V., kand. tekhn.nauk; ZORIN, I.P., inzh.; ZUBAREV, S.N., inzh.; TIKHOVIDOV, A.F., inzh.; SHITOV, I.S., inzh.; GAMAYUNOV, A.I., inzh.; KUSEMBAYEV, Kh.N., inzh.; DEKHTYAREV, S.I., inzh.; VORONOV, I.S., inzh.; BURMIN, G.M., inzh.; BARYSHEV, V.M., inzh.; GOLOVIN, Yu.P., inzh.; MARCHENKO, K.F., inzh.; RYCHKOV, L.F., inzh.; NESTERENKO, A.M., inzh.; KABANOV, V.F., inzh.; PATRIKEYEV, N.N., inzh.[deceased]; ROSSMIT, A.F., inzh.; SOSEDOV, O.O., inzh.; POKROVSKIY, M.A., inzh., retsenzent: POLOTSK, S.M., red.; GOL'DIN, Ya.A., glav. red.; GOLUBYATNIKOVA, G.S., red. izd-va; BOLDYREVA, Z.A., tekhn. red.

[Iron mining and ore dressing industry]Zhelezorudnaia promyshlennost'. Moskva, Gosgortekhizdat, 1962. 439 p. (MIRA 15:12)

1. Moscow. TSentral'nyy institut informatsii chernoy metallurgii.
(Iron mines and mining) (Ore dressing)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001860920014-0"

VORONOV, I.T.

First beet-sugar factory in Russia. Sakh.prom.30 no.6:72-74 Je '56. (MIRA 9:9)

1.Kiyevskiy tekhnologicheskiy institut pishchevoy promyslennosti.
(Sugar industry--History)

VORONKIN, I.N., inzh.; ROGACHEV, P.G., inzh.

Constructing dams without building preliminary cofferdams. Gidr. stroi. 30 no.2:16-18 F '60. (MIRA 13:5)
(Dams)

KOLYVKO, Vadim Mikhaylovich; HERSHADSKIY, S.A., inzh., retsenzent; KNYAZEV, N.N., inzh., retsenzent; VORONOV, I.P., nauchnyy red.; POLYAKOV, I.I., red.; ERASTOVA, N.V., tekhn.red.

[Testing of free piston gas generators] Ispytaniia svobodnoporshnevykh generatorov gaza. Leningrad, Gos. soiuznoe izd-vo sudostroit. promyshl., 1961. 206 p. (MIRA 15:3)
(Gas producers—Testing)

VORONOV, I. S.

Swinging feeder. Gor. zhur. no.11:76 N '62. (MIRA 15:10)

(Ore handling—Equipment and supplies)

VOPONOV, I.S., gornyy inzh.; KOVALENKO, V.A., gornyy inzh.; BEKETOV, P.Ye., gornyy inzh.; MATVEYEV, V.P., gornyy inzh.; NAGAYEV, Kh.Kh., gornyy inzh.; SHMAKOV, P.I., gornyy inzh.; CHERKAYEVA, N.G., gornyy inzh.

Conveying and loading ore with a vibrating feeder. Gor. zhur. no.8:28-31 Ag '64. (MIRA 17:10)

KHRAMTSOV, V.F., gornyy inzh.; VORONOV, I.S., gornyy inzh.; BEKETOV, P.Ye., gornyy inzh.; MATVEYEV, V.F., gornyy inzh.

New method of developing the bottom at the "Kaz" Mine.
Gor. zhur. no.8:32-33 Ag '64. (MIRA 17:10)

1. VostNIGRI, g. Novokuznetsk.

VORONOV, I.S.; BURMIN, G.M.; BARYSHEV, V.M.; KHRAMTSOV, V.F.

Effective mining systems and methods for breaking down ores in Gornaya Shoriya mines. Biul.tekh.-ekon.inform. Gos.nauch.-issl.inst.nauch.i tekh. inform. no.9:3-7 '62. (MIRA 15:9)

(Gornaya Shoriya—Iron mines and mining)

VORONOV, I. E.

USSR/Miscellaneous-Production

Card 1/1

Authors : Voronov, I. E., Assistant to the Minister of Lumber and Paper Industry, USSR

Title : Important tasks of mechanizers of the lumber industry in the USSR

Periodical : Mekh. Trud. Rab. 2, 5 - 8, March 1954

Abstract : The author criticizes the lumber industry of the USSR for not meeting the government set quotas on lumber for 1950, 1951, 1952, and 1953 in spite of the fact that the industry was equipped with a great number of tractors, trucks etc. The government plan for 1954 calls for the delivery of 35 million cubic meters of wood pulp for 1954 and other materials, and the construction of 396 new forest roads for the transportation of lumber in the coming years 1955/1956. The Soviet government provided the lumber industry with the most modern equipment and demands that it be utilized for the good of the country.

Institution : ...

Submitted : ...

VORONOV, I.Ye.

Speed up the over-all mechanization of lumbering. Mekh.trud. rab. 9 no.1:16-19 Ja'55. (MLRA 8:3)

1. Zamestitel' ministra lesnoy promyshlennosti SSSR.
(Lumbering--Machinery)

VORONOV, K.; YUDIN, P.

Institute of authorized representatives of the U.S.S.R. Ministry of Foreign Trade [with English summary in supplement]. Vnesh. torg. 29 no.5:34-37 '59. (MIRA 12:6)
(Commercial agents)

VORONOV, K.

Organization of the delivery of complete plants to foreign clients. Vnesh.torg. 29 no.9:33-36 '59. (MIRA 12:12)
(Technical assistance)

VORNOV, K.

Major changes in the organizational forms of the Soviet foreign trade within the past forty years[with English summary in insert]. Vnesh. torg. 28.no. 4:33-41 '58. (MIRA 11:7)
(Russia--Commerce)

VORONOV, K.; TIMOSHPOL'SKIY, M.

Inter-factory schools in ferrous metallurgy. Sots. trud no.1:92-96 Ja '56. (MLRA 9:7)
(Steel industry) (Employees, Training of)

VORONOV, K., inzhener (g. Kemerovo).

Unused opportunities for economy of wood materials. Mast.ugl.5 no.11:25 N '56. (MIRA 10:1)

(Mine timbering)

VORONOV, K.; ZLOTNIKOV, A.

"Organizational forms and methods of foreign trade operations on the capitalist market" by M.G. Shereshevskii. Reviewed by K. Voronov, A. Zlotnikov. Vnesh. torg. 28 no.9:48-49 '58. (MIRA 11:10
(Commerce) (Shereshevskii, M.G.)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001860920014-0"

68-1-4/22

AUTHOR: Voronov, K.D.

TITLE: From the Experience of Controlling the Operation of Jigging Machines for Coal Slurries (Opyt regulirovaniya shlamovykh otsadochnykh mashin)

PERIODICAL: Koks i Khimiya, 1958, No.1, pp. 15 - 17 (USSR).

ABSTRACT: Measures taken in order to improve beneficiation of coal slurries on jigging machines in the Chumakovskaya TsOF are outlined. There are 3 tables.

ASSOCIATION: ChumakovskayaTsOF (Chumakovskaya TsOF)

AVAILABLE: Library of Congress

Card 1/1

VORONOV, K. D.

USSR /Chemical Technology. Chemical Products and Their Application I-15

Treatment of solid mineral fuels

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31816

Author : Shlomov V.N., Voronov K.D., Perov V.N.

Title : Initiation of Closed-Cycle Handling of Water and Sludge.

Orig Pub: Koks i khimiya, 1956, No 4, 19-22

Abstract: The change-over, at the Chumakovskaya central coal concentration plant, to a closed cycle, by returning the water contaminated with sludge particles to the top of settling tanks, for additional clarification, has made it possible to eliminate recovery of fuel-coal sludge, which previously amounted to 4.5%, to increase the

Card 1/2

USSR /Chemical Technology. Chemical Products and Their Application
Treatment of solid mineral fuels I-15

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31816

yield of concentrate by 2%, on the basis of run-of-mine coal, completely to eliminate total loss of sludge and to reduce consumption of water from 0.46 to 0.09 m^3 per ton of coal. The closed-cycle handling of water and sludge can be put in effect at all the concentration plants.

Card 2/2

SHEBANOV, V.A.; VORONOV, K.D.

Conditions for preparing coal pulp for flotation. Koks i khim. no.1:18-21 '62. (MIRA 15:2)

1.Khar'kovskiy gornyy institut (for Shebanov). 2. Chumakovskaya TSentral'naya ugleobogatitel'naya fabrika (for Voronov).
(Coal--Flotation)

STOROZHENKO, Aleksandr Panteleyevich; SOKOLOV, Vladimir Gennadiyevich; KOZLOVA, Neonila Petrovna; GUSAROVA, Mariya Afrikanovna; VORONOV, Kuz'ma Denisovich; KARPOVA, N.N., otv. red.; TURCHENKO, V.K., otv. red.; GARBER, T.N., red. ~~izd-va~~; BOLDYREVA, Z.A., tekhn. red.

[Maintenance of machines in coal-preparation plants] Ukhod za mashinami na ugleobogatitel'nykh fabrikakh. Moskva, Gos. nauchno-tekhn.izd-vo lit-ry po gornomu delu, 1961. 258 p. (MIRA 15:1)

(Coal preparation—Equipment and supplies)

SOV/68-59-9-14/22

AUTHORS: Levin, S.A. and Voronov, K.D.

TITLE: Economic Indices of the Individual Stages in the Coal Beneficiation Process

PERIODICAL: Koks i khimiya, 1959, Nr 9, pp 49 - 51 (USSR)

ABSTRACT: An investigation of the costs of individual stages in the preparation and beneficiation of coals at the Chumakovskaya Central Beneficiation Plants was carried out in 1958. Capital costs of the plant for the individual stages of the process - Table 1; operating costs - Table 2. About 30% of the capital cost is spent for operations common for all methods of beneficiation of coal (receiving of coal, proportioning, transport of the finished product to the bunkers, waste and water economy), while capital costs for the actual beneficiation plant for the main mass of coal amounts to about 27%. A considerable proportion of capital expenditure is taken by the flotation and drying plants. Of the operating costs per ton of coal processed, flotation and drying of concentrates are the most expensive, 14.6 and 27.6% respectively of the total cost.

There are 2 tables.

Card 1/2

SOV/68-59-9-14/22

Economic Inndices of the Individual Stages in the Coal Beneficiation Process

ASSOCIATIONS: Khar'kovskiy inzhenerno-ekonomicheskiy institut (Khar'kov Engineering and Economic Institute) (Levin); Chumakovskaya TsOF (Chumakovskaya TsOF) (Voronov)

Card 2/2

AUTHOR: Voronov, K. D. SOV/68-58-11-4/25

TITLE: Changing the Scheme for Beneficiation of Coarse-Grain Slurries (Izmeneniye skhemy obogashcheniya krupnozernistykh shlamov)

PERIODICAL: Koks i Khimiya, 1958, Nr 11, pp 11-14 (USSR)

ABSTRACT: Up to 1957 the beneficiation of primary slurries at the Chumakovsk TsOF was carried out in a specially fitted standard jig according to the scheme described in Koks i Khimiya, 1958, Nr 1. An analysis of data on size distribution of the starting and beneficiated products indicated that the ash content in sizes above 1 mm and below 0.25 mm remains practically unchanged. In view of the above the author proposed a change in the beneficiation scheme (see Fig), namely, the water from screens of large and small coal is passed into a radial thickener from which the settled thick part of the slurry is pumped for use as transporting liquid of dedusted coal 10-0.5 mm to jigs for small coal. Operational results are given

Card 1/2

SOV/68-58-11-4/25

Changing the Scheme for Beneficiation of Coarse-Grain Slurries

in Table 2. With the above scheme the operational indices of the washery improved (Table 3). In this way the need for a separate jig for slurries was eliminated. There are 3 tables and 1 figure.

ASSOCIATION: Chumakovskaya TsOF

Card 2/2

AUTHOR: Voronov, K.D. and Butovetskiy, V.S. (Chumkovsk Ts.O.F.)

TITLE: A rational scheme for joining vacuum pumps and blowers 150 of the RMK type for the filtration of flotation concentrates. (Ratsional'naya skhema podklyucheniya vacuum-nasosov i vozdukhoduvok tipa RMK dlya fil'tratsii flotokontsetratov.)

PERIODICAL: "Koks i Khimiya" (Coke and Chemistry), 1957, No. 2, pp. 58 - 59, (U.S.S.R.)

ABSTRACT: The layout of flotation equipment carried out in the Chumkovsk Ts.O.F. and its later modification are outlined. There are 2 diagrams.

VORONOV, K.D.

Controlling the operation of slime jigs. Koks i khim. no.1:15-17 '58. (MIRA 11:2)

1. Chumakovskaya tsentral'naya obogatitel'naya fabrika.
(Coal preparation)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001860920014-0"

SHLOMOV, V.N.; VORONOV, K.D.; PEROV, V.N.

Closed-cycle sludge-water system. Koks i khim.no.4:19-22 '56.
(MLRA 9:9)

1.Chumakovskaya TSentral'naya obogatitel'naya fabrika.
(Coal preparation)

VORONOV, K.D.; BUTOVETSKIY, V.S.

Utilization of a vacuum defrother in the flotation section of the Chumakovo Central Preparation Plant. Koks i khim. no.2:18-20 '55. (MLRA 9:3)

1. Chumakovskaya TSentral'naya obogatitel'naya fabrika.
(Chumakovo-- Coal preparation)

VORONOV, Konstantin Gordeyevich; LEVSHIN, Filipp Mikhaylovich; GORDEYEV, B.S., red.; KAKHOVSKAYA, O.G., red.izd-va; TYSHKEVICH, Z.V., tekhn.red.

[Organization and technique of Soviet foreign trade in equipment] Voprosy organizatsii i tekhniki vneshnei torgovli SSSR oborudovaniem. Moskva, Vneshtorgizdat, 1960. 66 p. (MIRA 13:10)
(Russia--Commerce) (Machinery industry)

VORONOV, Konstantin Gordeyevich; MANZHULO, A.N., red.

[Foreign trade operations in international trade] Vneshnetorgovye operatsii v mezhdunarodnoi torgovle. Moskva, Vneshtorgizdat, 1965. 282 p. (MIRA 18:4)

SHERESHEVSKIY, M.G., prof.; VAGANOV, B.S., dots.; VORONOV, K.G., dots.; ROZENBERG, M.G.; ZLOTNIKOV, A.L., dots. [deceased]; GRYAZNOV, E.A.; GORYUNOV, F.A.; NETRUSOV, A.A., kand. ekon. nauk; YEPIFANOV, M.P., red.; YERKHOVA, Ye.A., tekhn. red.

[Organization and technique of the foreign trade of the U.S.S.R. and other socialist countries]Organizatsiia i tekhnika vneshnei torgovli SSSR i drugikh sotsialisticheskikh stran; uchebnoe posobie pod red. B.S.Vaganova. Moskva, 1963. 343 p. (MIRA 16:9)

1. Moscow. Institut mezhdunarodnykh otnosheniy.
(Communist countries--Commerce)
(Russia--Commerce)

VORONOV, K.P., inzhenor.

Improve the fire prevention system in mines in the Kuznetsk Basin. Bezop.truda v prom. 1 no.9:15-17 S '57. (MLRA 10:9)
(Kuznetsk Basin--Mine fires)

15-57-8-11720

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 8, p 248 (USSR)

AUTHOR: Voronov, K. P.

TITLE: Reduction of Coal Losses in Mining (Puti dal'neyshego snizheniya poter' uglya v nedrakh ot nepravil'nogo vedeniya gornykh rabot)

PERIODICAL: Materialy 1-y obl. nauch.-tekhn. konferentsii ugol'shchikov po okhrane nedr Kuzbassa, 1954 g., Kemerovo, Knigoizdat, 1955, pp 42-54

ABSTRACT: This article gives data on the rate of reduction of coal losses in mining operations in Kuzgas, and in particular in the Prokop'yevsk-Kiselevsk district in the period from 1948 to 1953. The large losses of coal from poor mining practices are noted. Basic causes of these losses are: 1) leaving of blocks of quality coal along the edge of the seam; 2) incomplete removal of

Card 1/2

Reduction of Coal Losses in Mining (Cont.) 15-57-8-11720

blocks of coal in terminal operations; 3) failure to remove blocks located away from drifts where screening structures are used; 4) coal losses in accidents with supporting structures; 5) collapse and flooding of operations; and 6) losses of stoped coal. Losses in pockets and blocks and from collapse and flooding amounted to 95 percent of all losses from poor mining practices for 1953. Technical, organizational, and administrative measures are recommended for improvement of mining operations.

Card 2/2

V. F. Kvasnikov

VORONOV, K.P.

For a perfect working cut and studying of plans for mine rescue work. Bezop.truda v prom. 6 no.4:8-10 Ap '62. (MIRA 15:5)

1. Glavnyy inzh., Upravleniya Kuznetskogo okruga Gosudarstvennogo komiteta pri Sovete Ministrov RSFSR po nadzoru za bezopasnym vedeniyem rabot v promyshlennosti i gornomu nadzoru.
(Mine rescue work)

VORONOV, K.P. (Director of the Kuznetsk Mining District)

"Criticism of the Backward Conveying Systems from the Viewpoint of Security and Loss of Manpower."

report presented at a Sci.-Tech. Conf. on Improving the Exploitation System in coal Beds, called by Mining Inst, AS USSR, at Prokop'yevsk 20-22 Jan 1958. (Vest. Ak Nauk SSSR, '58, No.4, 105-7, author Lyakhov, G. M.)

VORONOV, K.P.

Reducing accidents in Kuznetsk Basin mines. Bezop. truda v prom. 5 no. 2:10-11 F '61. (MIRA 14:2)

1. Glavnyy inzhener Upravleniya Kuznetskogo okruga Gosgortekhnadzora RSFSR.
(Kuznetsk Basin--Coal mines and mining--Safety measures)

VORONOV, K. V.

Geography - study and teaching.

Local regional study of pupils. Est. v shkole no. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, September 1952 Uncl.

VORONOV, K.V., uchitel'

Observations of the feeding havits of rooks. Biol. v shkole no.1:66 Ja-F '60. (MIRA 13:5)

1. Botlanskaya semiletnyaya shkola, Alikovskogo rayona, Chuvashskoy ASSR.
(Rooks(Birds))

8(3) SOV/112-59-4-6859

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1959, Nr 4, p 64 (USSR)

AUTHOR: Voronov, L. I.

TITLE: The First Experimental Ground-Fault Neutralization in a Rural High-Voltage Network

PERIODICAL: Byul. nauchno-tekhn. inform. Sev-Zap. n.-i. in-ta s. kh., 1958, Nr 1-2, pp 69-72

ABSTRACT: Bibliographic entry.

Card 1/1

VORONOV, L. I.

Cand Tech Sci - (diss) "Study of voltage conditions in rural electricity networks of 6-19 kv having longitudinal capacity compensations." Leningrad-Pushkin, 1961. 20 pp; (Ministry of Agriculture RSFSR, Leningrad Agricultural Inst); 250 copies; price not given; (KL, 5-61 sup, 188)

VORONOV, L. I.

112-3-5556

Translation from: Referativnyy Zhurnal, Elektrotekhnika, 1957, Nr 3, p. 70 (USSR)

AUTHORS: Usser, A. S., Voronov, L. I.

TITLE: Longitudinal Capacitive Compensation of Rural Electrical Networks. (Prodol'naya Yemkostnaya Kompensatsiya v sel'skikh elektrosetyakh)

PERIODICAL: Mekhaniz. i elektrifik. sots. s. kh., 1956, Nr 2, pp. 29-35

ABSTRACT: The high efficiency of longitudinal capacitive compensation as a means of voltage regulation of rural electrical networks is noted in this paper. On the basis of analysis of longitudinal capacitive compensation and of relationships in the lines, it is shown that selection of conductor size of compensated lines should be made according to the economical current density, since the voltage losses can be sufficiently compensated for; the application of longitudinal capacitive compensation raises the power factor and relieves the energy source

Card 1/2

112-3-5556

Longitudinal Capacitive Compensation of Rural Electrical Network (Cont.)

from delivering reactive power. In radial distribution networks longitudinal capacitive compensation is best located at the consumer's bus bar, since in this case large currents flow through the longitudinal capacitive compensation only in the event a short circuit occurs at the consumer end; in addition, the voltage rises only at the consumer's bus bar instead of in the entire line. In networks with a distributed load, longitudinal capacitive compensation should be located in such a way that the line voltage does not exceed the rated. Computations and experimental data are provided. It is noted that introduction of a battery causes subharmonic oscillations in certain cases.

Card 2/2

VORONOV, L.N., inzhener.

Device for selecting voltage from communication condensers. Elek.sta. 24 no.7:56-57 Jl '53. (MLRA 6:7)

(Electric apparatus and appliances)

VORONOV, L.V.

Estimating the accuracy and the most expedient form of linear intersections. Geod. i kart. no.7:26-29 Jl '61. (MIRA 14:7)
(Surveying)

VORONOV, L.V., inzh.

Automatic continuous line for the production of reclaimed rubber with the thermomechanical method. Khim.mashinostr. no.6:39 N-D '63. (MIRA 17:2)

VORONOV, L.V., podpolkovnik; KONDRAT'YEV, N.L., red.

[Determination of astronomical azimuths] Opredelenie astronomicheskikh azimutov. Moskva, Voenizdat, 1964. 111 p. (MIRA 17:9)

VORONOV, L.V.

Line and angle figures for connecting aerial photographs.
Geod. i kart. no.3:14-21 Mr '63. (MIRA 16:7)

(Aerial photogrammetry)

VORONOV, M.

Party work in a store. Sov. torg. no.3:31-35 Mr '58. (MIRA 11:2)
(Variety stores)

ZABELA, A., instruktor; VORONOV, M.

Word from the shock workers of communist labor. Sov. torg. 34 no.7:6-9 Jl '61. (MIRA 14:7)

1. Moskvoretskiy Rayonnyy komitet Kommunisticheskoy partii Sovetskogo Soyuza (for Zabela). 2. Zamestitel' sekretarya partbyuro torga "Mosgalantereya" (for Voronov).
(Socialist competition) (Moscow--Retail trade)

VORONOV, M.

"The sun and its satellites" by M. Ivanovskii. Reviewed by M. Voronov. Znan.sila 32 no.9:45 S '57. (MIRA 10:10)
(Astronomy) (Ivanovskii, M.)

VORONOV, M.A.; KHORUZHENKO, M.V.; KARASEV, Ye.A.; BELYY, V.A.; LIVSHITS, G.A.; VOROPAYEV V.I.; GONSKIY, G.V.; MEL'NICHENKO, V.P.; MOLCHANOV, M.A.; GLYBIN, B.V.; NAVAGIN, Yu.S.; RAKOYED, A.I.; PETRIKOV, V.G.

Soviet inventions in the machinery industry. Vest.mashinostr. 46 no.1:85-86 Ja '66. (MIRA 19:1)

VORONOV, M.A., putevoy rabochiy

Standard transition rail. Put' i put. khoz. no. 7:23 Jl '58.
(MIRA 11:7)

1. Putevaya mashinnaya stantsiya-62, stantsiya Gosudarev Bayrak Donetskoy dorogi.
(Railroads--Rails)

VILENSKIY, N.M., kand.tekhn.nauk; VORONOV, M.A., inzh.; CHEKHMER, I.S., inzh.

Energetic characteristics of a turbine installation for combined production of electric power and heat with consideration of additional flows of heat. Elek.sta. 30 no.1:34-37 Ja '59. (MIRA 12:3)
(Power plants) (Turbogenerators)

ACC NR: AP6029986 SOURCE CODE: UR/0413/66/000/015/0194/0194

INVENTOR: Voronov, M. N.; Iyezuitov, V. M.; Morgunov, G. M.; Saurov, O. L.

ORG: none

TITLE: Mechanical lock. Class 62, No. 184144

SOURCE: Izobret prom obraz tov zn, no. 15, 1966, 194

TOPIC TAGS: aircraft landing gear, mechanical lock, handlock

ABSTRACT: An Author Certificate has been issued for a mechanical lock, such as for an aircraft's undercarriage, consisting of a cylinder with a rod which is locked in its terminal position in the cylinder by the use of a split collar supported by the shaft of a floating piston. To avoid the involuntary opening of the lock and the fixation of the piston in a position corresponding to the closed position of the rod, annular grooves are placed inside the piston and on the outside of the rod; in the piston, they are cylindrical, and in the rod, inside of which is installed a snap ring with a conical jut, they are conical. [KT]

SUB CODE: 01, 13/ SUBM DATE: 16Oct64

Card 1/1 UDC: 621.646.629. .135/138

VORONOV, M.P., inzh.

New book on freight stations ("Freight stations" by E.A.Vetukhov, I.G.Kostenko. Reviewed by M.P.Voronov). Zhel.dor.transp. 43 no.3:94-95 Mr '61. (MIRA 14:3)
(Railroads—Freight)
(Vetukhov, E.A.) (Kostenko, I.G.)

AUTHOR: Voronov, M.S., Engineer SOV/133-59-5-4/31

TITLE: Pneumatic Packing of the Gland of the Burden Distributor for Blast Furnaces (Sal'nikc-pnevmaticheskoye uplotneniye raspredelitelya shikhty dlya domennykh pechey)

PERIODICAL: Stal', 1959, Nr 5, pp 397 - 398 (USSR)

ABSTRACT: A new design of the pneumatic packing of the gland of the revolving hopper of the burden distributor for blast furnaces operating with a high top pressure is outlined and illustrated (figure). Air-tightness is achieved by filling two rubber rings with air. To facilitate turning of the distributor, air from the rings is let out and the rings are filled again when the turning is finished. The time for filling and emptying the rings is of the order of 0.5 - 0.7 sec. There is 1 figure.

Card 1/1