"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

KISEL'MAN, M.L.; GRACHEV, K.V.

Experience of the Groznyy Petroleum Association in the restoration of worn tool joints. Neft. khoz. 43 no.1:52-54 Ja '65.

(MIRA 18:3)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

PROCESSES AND PROPERTIES INDEX

The electrolytic recovery of iron sulfate in the presence of titanium sulfate. II. K. Ya. Grachev and S. I. Rempel. *J. Applied Chem.* (U. S. S. R.) 10, 1355-63 (in French 1363)(1937); cf. Shcherbakov and G., *C. A.* 31, 6975[1].—The reduction was carried out in a 2-compartment cell with a clay or an asbestos diaphragm. The H_2SO_4 formed in the anolyte with the clay diaphragm had d 1.4; with the asbestos diaphragm, 1.35. Nineteen references. A. A. Podgorny

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

CA

4

Electrolytic reduction of iron sulfide in the presence of titanium sulfate. III. Effect of the cathode (material) and acidity of solutions on the current efficiency. K. Ya. Grachev.—*J. Applied Chem.* (U. S. S. R.) 12, 642-50 (in French, 650)(1939); cf. *C. A.* 33, 8505.—Cu, Ni or Fe cathodes can be used just as well as Pb, but Cr cannot, because it reacts with the electrolyte. The current efficiency for the $Fe^{+++} \rightarrow Fe^{++}$ process increased with increase in temp. from 30° to 70° with Pb or Ni cathodes by 12, with Cu by 18 and with Fe by 23%. Current consumption was least (at 70°) with Cu and Fe cathodes. Corrosion did not affect the Pb electrode; loss in wt. of the Cu electrode at 70° amounted to 3.02, that of Ni 2.66 and of Fe 66.4 g. per 1 kg. of reduced Fe^{+++}. However, Cu corrosion was observed only at a H_2SO_4 concn. of 100 g./l. The current yield was not affected by increasing the H_2SO_4 concn. to 100 g./l. in the solns. contg. no Ti, but above this concn. the current yield decreased considerably, while in the presence of 20 g./l. TiO_2 a decrease in the yield was observed only above 300 g./l. H_2SO_4. The potential of the cell passed through a min. with increase in the H_2SO_4 concn. A. A. Podgorny

A18-51A METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

PROCESSES AND PROPERTIES INDEX

Ca

B

Decomposition of titano-magnetite concentrates with a diluted sulfuric acid, with a simultaneous electrolytic reduction. K. Ka. Gerchev. *J. Applied Chem.* (U. S. S. R.) 13, 1128-34 (in French, 1134) (1940); cf. *C. A.* 35, 693°.—In 40-10% H_2SO_4, with simultaneous electrolytic reduction of Fe^{+++} to Fe^{++} at the temp. of the water bath and also at the boiling temp. of the reacting mixt., the decompn. of TiO_2 and Fe_2O_3 increased to 90% with an increase of the duration of the expt. and of the temp. At the same time, Ti and Fe were dissolved 2-3 times more than in a chem. decompn. without reduction. Decompn. of TiO_2 and Fe_2O_3 increased with an increase of the amts. of 40-80% H_2SO_4, reaching 70-100% at 94-7° in the presence of 10-25% excess of H_2SO_4. After decompn., the soln. had the compn. TiO_2 80-150, Fe^{++} 60-100 and Ti^{+++} 1-50 g./l. Decompn. of the concentrate at 95-115° with excess of H_2SO_4 of d. 1.382 and contg. SO_4^{--} 535.7, Fe^{++} 28.6, total Ti 12.63, Al^{+++} 3.17, Mn^{++} 1.05, Mg^{++} 1.20 and Ca 0.47 g./l. dissolved 75% of the Ti and Fe and produced a soln. contg. TiO_2 120, Fe^{++} 150 and Ti^{+++} 3-20 g./l.

A. A. Podgorny

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

Electrolytic decomposition of titanomagnetite concentrates. K. Ya. Grachev. *Novosti Tekhniki* 1940, No. 11-12, 42.—Titanomagnetite concentrates contg. 45.0% TiO_2 and 52.4% Fe_2O_3 were decompd. by a new electrolytic method comprising in one operation the decompn. of the concentrate with 30-50% H_2SO_4 and electrolytic reduction of the Fe. Of the TiO_2 in the concentrate 90-95% goes into soln. The electrolyte temp. is 85-130°; electrodes are insol. in electrolyte; the anode is diaphragmed; c. d. may vary widely; current efficiency is 10% above theory. The electrolyte contains only Fe^{++}, a little Ti^{+++} and H_2SO_4.

B. Z. K.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

CA

4

Electrolytic reduction of iron sulfate in the presence of titanium sulfate. IV. The character of cathode polarization. K. Ya. Grachev. *J. Applied Chem.* (U. S. S. R.) 13, 516-18(in French, 519-20)(1940); cf. *C. A.* 34, 3500f.—The cathode potential vs. c. d. in $FeSO_4$ and $Fe_2(SO_4)_3$ solns. were plotted; Cu and Pb cathodes were used at 48°, 50° and 80°. With the Cu cathode and at a c. d. below the limiting one, a concn. polarization (E_k) was observed, which satisfied the equation: $E_k = 0.0002\ T \log((1 + KD)/(1 - (D/D_{lim})))$, where D and D_{lim} are c. d. observed and limiting, T is abs. temp. and K a const. = 0.14. The above equation was derived by assuming that the current transferred H and SO_4 ions. A considerable polarization was observed at low c. d. with a Pb cathode, which was probably due to the presence of a film. The Pb cathode had a more electroneg. potential (approx. 0.4 v. more at 80°) than the Cu cathode at the above limiting c. d. This is attributed to large overvoltage of H on Pb. H overvoltage accounts for the increased voltage when Pb cathodes are used. A. A. Podgorny

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

CA

4

Corrosion of copper electrodes in iron sulfate solutions in the presence of titanium sulfate. K. Ya. Grachev. *J. Applied Chem.* (U. S. S. R.) 13, 965-70 (in French, 970) (1940).—Corrosion of unpolarized and cathodically polarized Cu electrodes was investigated at 30, 50 and 70° in solns. contg. Fe^{+++} 55.8-62.8, Fe^{++} 39.0-42.0, TiO_2 20 and free H_2SO_4 50 and 145 g./l. The rough and polished electrodes were equally corroded but previously used cathodes were corroded 5-25% less. The velocity of corrosion increased by 70-100% with increase in temp. from 30 to 70°; and decreased by 15-20% with increase in concn. of H_2SO_4 from 50 to 145 g./l. On the basis of loss of metallic Cu and concns. of Fe ions, it was tentatively assumed that the corrosion in the absence of elec. current proceeded mainly according to $Cu + Fe^{+++} = Cu^{+} + Fe^{++}$ and $2Cu^{+} = Cu + Cu^{++}$. The corrosion of Cu electrodes, previously used as cathodes, proceeded according to $Cu + 2Fe^{+++} = Cu^{++} + 2Fe^{++}$ and $Cu + Fe^{+++} = Cu^{+} + Fe^{++}$.

A. A. Podgorny

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

GRACHEV, K. YA.

1. GRACHEV, K. YA.

2. USSR (600)

4. Technology

7. (Alkali cells). (Moskva), Gosenergoizdat, 1951.

9. Monthly List of Russian Accessions, Library of Congress, November 1952. UNCLASSIFIED.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

NIKITINA, Yekaterina Ivanovna; GRACHEV, K.Ya., redaktor; LUR'YE, M.S., tekhnicheskiy redaktor

[Accelerated semimicrochemical methods for analyzing metals and alloys] Uskorennye polumikrokhimicheskie metody analiza metallov i splavov. Moskva, Gos. nauchno-tekhn. izd-vo khim. lit-ry, 1956. 306 p. (MIRA 9:9)

(Metals--Analysis)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

ALABYSHEV, A.F.; GRACHEV, K.Ya.; ZARETSKIY, S.A.; LANTRATOV, M.F.; FEDOT'YEV, N.P., prof., retsenzent; KHAIN, P.G., inzh., retsenzent; MORACHEVSKIY, A.G., red.; ERLIKH, Ye.Ya., tekhn.red.

[Sodium and potassium; their preparation, properties, and uses] Natrii i kalii; poluchenie, svoistva, primenenie. Pod red. A.F. Alabysheva. Leningrad, Gos.nauchno-tekhn.izd-vo khim.lit-ry, 1959. 390 p. (MIRA 13:3)
(Sodium) (Potassium)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

AUTHORS: Grachev, K.Ya. and Zhuryutina, V.Ya. SOV/80-59-1-35/44

TITLE: Decomposition Tension of NaCl in Smelted Electrolytes $NaCl-CaCl_2$ and $NaCl-CaCl_2-BaCl_2$ (Napryazheniye razlozheniya NaCl v rasplavlennykh elektrolitakh $NaCl-CaCl_2$ i $NaCl-CaCl_2-BaCl_2$) Short Notices (Kratkiye soobshcheniya)

PERIODICAL: Zhurnal prikladnoy khimii, 1959, Nr 1, pp 214-216 (USSR)

ABSTRACT: In view of contradictory information in the literature on the decomposition tension of the pure NaCl, the authors undertook a new determination of the emf of the galvanic cell necessary for decomposition of NaCl in the electrolytes $NaCl-CaCl_2$ and $NaCl-CaCl_2-BaCl_2$. The relation between the emf-values (decomposition tension) and temperature was found to be linear, and can be described for both of the electrolytes by a common equation:

$$E = 3.43 - 0.78 \times 10^{-3}(t - 650)$$

where t is expressed in centigrades.
There are 2 diagrams, 1 graph and 9 references, 5 of which are Soviet, 2 German, 1 Italian and 1 English.

SUBMITTED: May 3, 1957

Card 1/1

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

27125
S/080/60/033/008/018/022/XX
D213/D305

5.2100 1087

AUTHORS: Grachev, K.Ya., and Kartalov, B.V.

TITLE: Anode gas composition and anode current efficiency values in producing sodium by electrolysis of readily fusible chloride electrolytes

PERIODICAL: Zhurnal prikladnoy khimii, v. 33, no. 8, 1960, 1834 - 1839

TEXT: The experiments described in the present paper were carried out in a rectangular pit of a special furnace lined with refractory chamotte and holding about 80 kg electrolyte. The cathode was an iron bar, 5 mm diameter and the anode a graphite rod. The first experiments were made with an electrolyte of the following composition: (wt. %) NaCl 36, $CaCl_2$ 39, $BaCl_2$ 24 and with no alkali content. The electrolysis temperature was 600 - 620° C. Owing to the slight amount of O-bearing ions in the electrolyte, the O_2 and

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27125

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D213/D305

Anode gas composition and ...

CO_2 contents in the gases liberated at the anode were also very slight. Further experiments were carried out in laboratory furnaces with two salt mixtures: 1) (wt. %) NaCl 32, $CaCl_2$ 42, $BaCl_2$ 25; 2) NaCl 42, $CaCl_2$ 58. Cathode and anode current densities were maintained at 1 A/cm^2. The electrolyte temperature was measured by a chromel-alumel thermocouple and controlled within $\pm 5^0$ by an electronic potentiometer. The experiments showed that in the first 2 - 3 hours of electrolysis chlorine is mainly liberated at the anode with only slight amounts of O_2 and CO_2. This is followd by a marked reduction on Cl_2 evolution and an increase of O_2 concentration in the anode gases. At elevated temperatures, the rates of O-bearing ion formation increase as a result of an increase in the diffusion rate of Na dissolved in the electrolyte and oxidizing on the electrolyte surface. The most satisfactory yields of concentrated Cl_2 with minimum erosion of graphite electrodes with the

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D213/D305

Anode gas composition and ...

two salt mixtures studied were obtained in the following conditions: Electrolyte temperature: maximum - 620°C; impurities (oxides, carbonates, etc.) in the salts kept to a minimum; electrolyte surface protected from the surrounding air and also from contact with the electrolytic cell lining. There are 7 figures and 3 Soviet-bloc references.

SUBMITTED: December 31, 1959

Card 3/3

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

GRACHEV, K.Ya.; ANDAYEV, Ye.I.

Bipolar action of a wire diaphragm in electrolyzers used for preparing metallic sodium from low-melting chloride electrolytes. Zhur.prikl. khim. 33 no.10:2368-2371 O '60. (MIRA 14:5)
(Sodium) (Electrolysis)

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

L 26199-65 EWG(j)/EWP(e)/EPA(s)-2/EWT(m)/EIF(c)/EPR/T/EWP(t)/EWP(b) Pr-4/Ps-4/
Pu-4 IJP(c)/ASD(m)-3/AFETR RWH/JD/WW/JG/WH S/0064/65/000/001/0057/0059

ACCESSION NR: AP5002950

AUTHORS: Grachev, K. Ya.; Novoselov, V. A.

TITLE: The choice of electrolyte and the type of electrolytic cell for commercial production of metallic sodium

SOURCE: Khimicheskaya promyshlennost', no. 1, 1965, 57-59

TOPIC TAGS: electrolyte, electrolytic cell, sodium

ABSTRACT: The problems encountered in obtaining a proper electrolyte and in devising most efficient electrolytic cells for extracting metallic sodium are reviewed. Three multicelled and four circular models of electrolytic cells were tested between 1955-58. The electrolytes were 42% NaCl + 58% $CaCl_2$ and 32% NaCl + 42% $CaCl_2$ + 26% $BaCl_2$. The multicelled models differed mainly in position of the electrodes: introduced from the side, through one another (cathode lead through the anode), and from above. The electrochemical process was unstable in all three. The yield declined in a few days to 50-20%, and even to as little as 5%. All three models were very unsatisfactory, not even being designed to allow simple replacement of anode caps. The circular cells gave much better results. One successful

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ACCESSION NR: AP5002950

model is illustrated in Fig. 1 on the Enclosure. Stability of production was maintained for 25-30 days, even for as many as 75 days in some tests. The principal cause of production decline was short-circuiting between the grating-diaphragm and the cathode. This resulted partly from poor centering of the grating-diaphragm, partly from deformation during operation (of either the grating-diaphragm or of the cathode). The design of the chlorine chamber allows chlorine concentrations of 96-99% to be obtained, and is such that it may be operated in a vacuum or at some pressure. The authors recommend the electrolytes used in the experiment, and further recommend the commercial application of circular electrolytic cells with anodes introduced from below. Orig. art. has: 3 figures.

ASSOCIATION: none

SUBMITTED: 00 ENCL: 01

SUB CODE: GC, EE NO REF SOV: 008 OTHER: 004

Card 2/3

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

GRACHEV, K.Ya.; YEVGLEVSKAYA, V.I.

Separation of sodium from the fused $NaCl-CaCl_2-BaCl_2$ electrolyte in the vicinity of the eutectic composition. Zhur. prikl. khim. 37 no.9:2061-2063 S '64. (MIRA 17:10)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

GRACHEV, K.Ya.; NOVOSELOV, V.A.

Selection of the electrolyte and electrolyzer type for the industrial production of metallic sodium. Khim. prom. 41 no.1: 57-59 Ja '65. (MIRA 18:3)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

L 24529-66 EWT(m)/ETC(f)/EWG(m)/T IJP(c) DS/JD/JG

ACC NR: AP6011010 (N) SOURCE CODE: UR/0080/66/039/003/0522/0527

40
39
B

AUTHOR: Grachev, K. Ya.; Grebenik, V. E.

ORG: none

TITLE: Polarographic study of moisture in fused chloride electrolytes used for producing sodium metal

27

SOURCE: Zhurnal prikladnoy khimii, v. 39, no. 3, 1966, 522-527

TOPIC TAGS: sodium, electrolysis, chloride, polarographic analysis

ABSTRACT: The state of moisture and its electrochemical behavior were studied polarographically in a fused electrolyte containing 42 wt % NaCl and 58 wt % $CaCl_2$, used for the preparation of sodium metal. Moisture was introduced in the form of superheated steam which was bubbled through the melt. A cathodic polarographic wave whose height increased with the duration of bubbling of the steam and was independent of the concentration of OH^- ions was found to occur. It is postulated that the electrochemical decomposition of water takes place as follows:

$$H_2O + e \rightarrow OH^- + {}^1/_2H_2.$$

2

Card 1/2 UDC: 543.253 + 546.32'131-143

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

L 24529-66

ACC NR: AP6011010

The polarographic wave of water in the coordinates $\varphi - \log \frac{i}{i_d - i}$ is represented by a straight line with slope k = 0.308. The temperature dependence of the limiting diffusion current of hydrogen obeys the equation

$$\ln i_d = A - \frac{B}{T}.$$

The activation energy of the diffusion current was calculated to be 38.8 kcal/mole. Complex formation between water and the components of the melt is believed to take place. It is shown that the evolution of hydrogen during the initial stage of the action of sodium electrolyzers is not due to the electrochemical decomposition of water. It is suggested that hydrogen is then evolved primarily as a result of the reaction

$$NaOH + Na \rightarrow Na_2O + {}^1/_2H_2$$

which constitutes the displacement of hydrogen by the electrochemically separated and dissolved sodium. The authors thank Yu. K. Delimarskiy for helpful suggestions. Orig. art. has: 6 figures.

SUB CODE: 07,11/ SUBM DATE: 09May64/ ORIG REF: 006/ OTH REF: 001

Card 2/2 UCR

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

GRACHEV, L. (Nizhniy Tagil); IL'IN, V. (Nizhniy Tagil); MALIKOV, I. (Nizhniy Tagil); RAKHKOVSKIY, M. (Nizhniy Tagil); SIBGATULLIN, N. (Nizhniy Tagil)

Electronic bridge circuit for fire prevention systems. Pozh.delo 7 no.8:26 Ag '61. (MIRA 14:8)

(Fire alarms) (Bridge circuits)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

KOZHEVIN, V.G., nachal'nik; INOZEMTSEV, P.P., nachal'nik; BELEVTSEV, T.N., upravlyayushchiy; GARYAZEV, V.V., upravlyayushchiy; GRACHEV, L.I., upralyayushchiy; KONOVALOV, G.I., upravlyayushchiy; GILLER, A.I., [redacted]nik; GUBIN, N.I., glavnyy inzhener.

The Soviet miners honor Miners' Day with new industrial victories. Ugol' 28 no.8:5-15 Ag '53. (MLRA 6:7)

1. Kombinat Kuzbassugol' (for Kozhevin). 2. Kombinat Karagandaugol' (for Inozemtsev). 3. Trest Stalinugol' (for Belevtsev). 4. Trest Kalininugol' (for Gryazev). 5. Trest Molotovugol' (for Grachev). 6. Trest Shchekinugol' (for Konovalov). 7. Shakhtoupravlenie No.9/12 tresta Shchekinugol' (for Giller). 8. Shakhta No.34 tresta Krasnoarmeyskugol' (for Gubin). (Coal mines and mining)

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

GRACHEV, L.I.

USKOV, A.A., geroy Sotsialisticheskogo Truda; DEGTYAREV, V.I.; POPOV, V.K.; GRACHEV, L.I.; KHIZHNYACHENKO, P.Ye.; KOZYUBERDA, A.F.; PISKUNOV, Ye.S., gornyy inzhener; SEDYKH, D.A.; SOROTOKIN, M.S.; DARCHIYA, L.V.; TANKILEVICH, A., gornyy inzhener.

Soviet miners celebrate Miner's Day with new achievements in production. Ugol' 29 no.8:5-20 Ag '54. (MLRA 7:8)

1. Glavnyy inzhener kombinata Rostovugol' (for Uskov). 2. Upravlyayushchiy trestom Chistyakovantratsit (for Degtyarev). 3. Upravlyayushchiy trestom Vakhrushevugol' (for Popov). 4. Upravlyayushchiy trestom Molotovugol' (for Grachev). 5. Nachal'nik shakhty "Zapadnaya-Kapital'naya" tresta Nesvetayantratsit (for Khizhnyachenko). 6. Nachal'nik shakhty No.7 tresta Nesvetayantratsit (for Kozyuberda). 7. Nachal'nik shakhty no.17-bis tresta Chistyakovantratsit (for Piskunov). 8. Nachal'nik shakhty no.1 "TSentral'naya" tresta Krasnoarmeyskugol' (for Sedykh). 9. Upravlyayushchiy trestom Prokop'yevskshakhtostroy (for Sorotokin). 10. Nachal'nik Stroyupravleniya No.2 tresta Tkvarchelshakhtostroy (for Darchiya). 11. Ol'zherasskoye shakhtostroitel'noye upravleniye (for Tankilevich).
(Coal mines and mining)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

GRACHEV, L.I., gornyy inzhener

Combined method for the mining of coal deposits. Ugol' 35 no.11: 35-37 N '60. (MIRA 13:12)

1. Kombinat Kuzbasshakhtostroy.
(Strip mining) (Hydraulic mining)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

GRACHEV, L.I.; SCHASTNYY, Ye.N., inzh.

Measures for increasing the operational reliability of a contact network. Elek.i tepl.tiaga 6 no.12:13-14 D '62. (MIRA 16:2)

1. Starshiy inzh. sluzhby elektrifikatsii i energeticheskogo khozyaystva Yuzhno-Ural'skoy dorogi (for Grachev).
(Electric railroads—Wires and wiring)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

GRACHEV, L.I.

Replacement of defect overhead structure footings without dismounting the catenary. Elek. i teplotiaga 7 no.11:15-16 N '63. (MIRA 17:2)

1. Starshiy inzh. sluzhby elektrifikatsii i energeticheskogo khozyaystva Yuzhno-Ural'skoy dorogi.

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

L 54555-65 EWT(m)/EWG(m)/EWP(j) Pc-4 RWH/RM

ACCESSION NR: AP5016713 UR/0286/65/000/010/0016/0016

AUTHOR: Samborskiy, I. V.; Pashkov, A. B.; Saldadze, K. M.; Grachev, L. L.; [illegible], A. F.; Parbafenkov, A. N.; Torevskaya, [illegible]

TITLE: A method for producing ion exchangers. Class 12, No. 170908

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 10, 1965, 16

TOPIC TAGS: ion exchanger, chemical production, filler, cotton, fiber

ABSTRACT: This Author Certificate presents a method for producing ion exchangers by mixing (in a determined order) the combined components, heating, holding, cooling, and consolidating the reactive mass, which is finally crumbled and dried. To [illegible] the mechanical, filtering, and absorption properties of the exchangers, a [illegible] filler, such as cotton floss, is introduced into the reactive mixture before drying.

ASSOCIATION: Nauchno-issledovatel'skiy institut plasticheskikh mass (Scientific Research Institute of Plastics)

SUBMITTED: 24Jul64 ENCL: 00 SUB CODE: GC

NO REF SOV: 000 OTHER: 000

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ACC NR: AP7001407 (A) SOURCE CODE: UR/0413/66/000/021/0109/0109

INVENTOR: Chetverikov, A. F.; Pashkov, A. B.; Samborskiy, I. V.; Grachev, L. L.

ORG: none

TITLE: Preparative method for polymers containing anthraquinone redox groups. Class 39, No. 187999 [announced by Scientific Research Institute of Plastics (Nauchno-issledovatel'skiy institut plasticheskikh mass)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 21, 1966, 109

TOPIC TAGS: redox polymer, polyvinylathraquinone, styrene, quinone, sulfuric acid

ABSTRACT: An Author Certificate has been issued for a preparative method for polymers containing anthraquinone redox groups, based on styrene and divinylbenzene. A styrene-divinylbenzene copolymer is treated with phthalic anhydride in an inert solvent in the presence of an excess of aluminum chloride, and the resulting polyvinylbenzoylbenzoic acid is converted to polyvinylathraquinone by treatment with concentrated sulfuric acid or oleum. [SM]

SUB CODE: 07, 11/ SUBM DATE: 13Mar65/ ATD PRESS: 5109

Card 1/1 UDC: 661.183.123.2:678.746.22-136.662-9:547.673.1

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

1. ALEKSEEV, E. G., VLASOV, A. F., GRACHEV, L. N.

2. USSR (600)

4. Lathes - Safety Appliances

7. Safety devices for lathes. Stan. i instr. 24, No. 2, 1953.

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

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

GRACHEV, L.N.

Safety guards for lathes. Stan. i instr. 26 no.11:30-32 N '55.
(Lathes--Safety appliances) (MLRA 9:2)

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

GRACHEV L.N.

PHASE I BOOK EXPLOITATION 1136

Eksperimental'nyy nauchno-issledovatel'skiy institut metallorezhushchikh stankov

Modernizatsiya tokarno-karusel'nykh stankov (Modernization of Vertical Turning Lathes) Moscow, Mashgiz, 1958. 265 p. 6,000 copies printed.

Authors: Gladkov, B.A., Grachev, L.N., Levit, G.A., Lapidus, A.S., Leshchenko, Yu.A., and Kudinov, V.A.; Ed.: Prokopovich, A.Ye.; Ed. of Publishing House: Ivanova, I.A.; Tech. Ed.: Tikhanov, A.Ya.; Managing Ed. for Literature on Metal Working and Tool Making (Mashgiz): Beyzel'man, R.D., Engineer.

PURPOSE: This book is intended for production personnel employing machine tool equipment, for designers of engineering departments, engineers and technicians.

COVERAGE: Vertical turning lathes in an actual operation are reviewed and basic trends and methods of modernizing them are discussed. Design examples and solutions of various design problems in

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modernizing the main drive, feed drives, table rests, and spindles are presented, and various devices for reducing the auxiliary operation time and increasing the versatility of operations are described. The problems of vibration stability of machines and safety measures are also discussed. No personalities are mentioned. There are 69 references, 66 of which are Soviet and 3 English.

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

25 (1,7) PHASE I BOOK EXPLOITATION SOV/1687

Gladkov, B. A., L.N. Grachev, P.M. Shpigel'shteyn, V.A. Kudinov, A.S. Lapidus, G.M. Azarevich, Yu. A. Leshchenko

Modernizatsiya tokarnykh stankov; rukovodyashchiye materialy (Modernization of Lathes; Instructions) Moscow, Mashgiz, 1958. 286 p. 6,800 copies printed.

Sponsoring Agency: Moscow. Eksperimental'nyy nauchno-issledovatel'skiy institut metallorezhushchikh stankov.

Ed.: A.Ye. Prokopovich; Ed. of Publishing House: N.A. Ivanova; Tech. Ed.: Ye. N. Matveyeva; Managing Ed. for Literature on Metal Working and Tool Making: R.D. Beyzel'man, Engineer.

PURPOSE: This book is intended for manufacturing personnel dealing with the operation of machine tools, and for designers in plant machine-shops, and engineer-technologists.

Card 1/5

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

Modernization of Lathes; Instructions SOV/1687

COVERAGE: The book presents an analysis of the existing operating stock of lathes and establishes basic trends in modernization. It includes examples of designing and design solutions related to modernization of the main drive and feed drive, classification and description of various attachments for reducing auxiliary time and easing the work of an operator, description of various devices for widening the range applicability of machine tools, examples of modernizing the basic tool types of the engine-lathe group, and discusses problems concerning improvement of vibration-stability and reliability in the operation of machine tools and how to prolong their life. No personalities are mentioned. There are 35 references, all Soviet.

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GRACHEV, L.N.

Vertical boring and turning machines. BIul. tekh.-ekon. inform. no.4:88-93 '58. (MIRA 11:6)

(Lathes)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

AUTHOR: Vorob'yëv, V.I. and Grachev, L.N., Engineers 118-58-6-4/21

TITLE: The Construction of Hydraulic Mines and Hydraulic Mining Complexes in the Kuznetsk Coal Field (Stroitel'stvo gidroshakht i gidrokompleksov v Kuznetskom basseyne)

PERIODICAL: Mekhanizatsiya trudoyëmkikh i tyazhëlykh rabot, 1958, Nr 6, pp 10-12 (USSR)

ABSTRACT: In 1940, the Kuznetsk coal field (Kuzbass) produced 21.1 million tons of coal and in 1957 - 68.3 million tons. To increase labor efficiency and to lower production costs, "VNIIGidrougol'" has proposed a wide introduction of hydraulic mining. In accordance with this plan, 25% of the assumed output in 1965 (102 million tons) should be mined by hydraulic methods. At present in the Kuzbass, 1 hydraulic mine and 5 hydraulic sections, producing 1,000 tons every 24 hours, have been put into operation. It is planned to reconstruct mine Nr 5 of the Kiselevskugol' trust and the mines "Maganak" and "Krasnyy Uglekop" in Prokop'yevsk for hydraulic mining. The reconstruction of the "Tsentral'naya" mine of the Kemerovugol' trust (capacity - 1,500 tons in 24 hours) has already been started. The latter will directly supply, by hydraulic transportation, the Belovskaya GRES (Belovo Electric Power Plant) (under construction). If the

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118-58-6-4/21

The Construction of Hydraulic Mines and Hydraulic Mining Complexes in the Kuznetsk Coal Field

proposal of the VNIIGidrougol' Institute is accepted, construction activities in the Kuzbass coal field will consist of: 1) introduction of hydraulic mining in mines under construction, 2) reconstruction of working mines for hydraulic mining, and 3) construction of new hydraulic mines. In spite of hydraulic mining advantages, the construction of such mines in the Kuzbass proceeds unsatisfactorily because of the lack of cranes, bulldozers, excavators, reinforced concrete, and the poor quality of the hydraulic equipment.
There are 2 diagrams, 1 photo and 1 table.

1. Coal mining--USSR 2. Hydraulics--Applications

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APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

GRACHEV, L.N.; CHIGAREVA, E.I., red.; GONCHAROVA, S.L., red.; VIKTOROVA, Z.N., tekhn. red.

[Machinery industry in France; machine tools] Stankostroenie Frantsii; metallorezhushchie stanki. Obzor. Moskva, TSINTIMASH, 1961. 211 p. (MIRA 16:5)
(France--Machine-tool industry)

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

ETIN, A.G.; GRACHEV, L.N.

Use of contour and multicut machining. Stan.i instr. 34, no.7: 1-7 Jl '63. (MIRA 16:9)

(Metal cutting)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

VERIGO, M.F., prof., doktor tekhn.nauk; GRACHEVA, L.O., kand.tekhn.nauk; ANISIMOV, P.S., inzh.

Results of overall tests of great-capacity gondolas. Zhel.dor. transp. 45 no.7:34-37 Jl '63. (MIRA 16:9)
(Railroads--Freight cars)

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

GRACHEV, L.V.

4

Structure and transformations of *N*-nitrotriazenes. I. Diaryl-*N*-nitrotriazene. N. M. Baranchik, L. V. Grachev, and D. Z. Zavel'skii. *Zhur. Obshchei Khim.* 23, 1572-8 (1953); Cf. G., C.A. 42, 5866d; 43, 169g.—To 1.6 g. $PhN:NO_2Na$ in 25 ml. H_2O and 25-40 ml. acetate buffer soln. (pH 6; 125 g. KOAc and 30 ml. AcOH per 250 ml.) at 5° was added in 15 min. a soln. of 0.01 mole ArN_2Cl (freed of excess HNO_2 and excess HCl) with the pH of the mixt. maintained at 4.8-5.8 by addn. of $KHCO_3$ or KOAc; the reaction was essentially complete in several hrs. and yielded a solid brown ppt. which could not be recrystd. without decompn. Condensation of p-$O_2NC_6H_4N_2Cl$ with $PhN(NO_2)H$ gave p-$O_2NC_6H_4N(NO_2)H$, yellow, m. 110-11°; 4,2-$Cl(O_2N)C_6H_3N_2Cl$ gave *4,2-$Cl(O_2N)C_6H_3N(NO_2)H$*, m. 107-8°; *2,4-$Cl(O_2N)C_6H_3N_2Cl$* similarly gave *2,4-$Cl(O_2N)$ isomer*, m. 92-3°; PhN_2Cl gave some 30% PhOH. The filtrate, after isolation of the above-described ppt. in the reaction of 4,2-$Cl(O_2N)C_6H_3N_2Cl$, treated with an alkaline soln. of 2-$C_{10}H_7OH$ formed 1-phenylazo-2-naphthol, m. 130-1°. The results indicate that in all the reactions there is formed an unstable diaryl-*N*-nitrotriazene, $R'N:NN(NO_2)R$, which hydrolyzes to the various nitraminic acids (listed above), on the one hand, and ArN_2OH on the other hand, with transfer of the NO_2 group from one N atom of the triazene chain to the other one which was attached to a ring with electron-attracting substituents. The mechanism of such transfer is discussed and examples of similar isomerizations are cited. G. M. Kosolapoff

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GRACHEV, M.A., inzhener.

Valuable manual for technical high schools, teaching soil improvement. ("Rural water supply and well drilling." Ya.M. Pashenkov, N.A. Karambirov, I.P. Gribanov. Reviewed by M.A. Grachev.) Gidr.i mel. 5 no.4:78-80 Ap'53. (MLRA 6:5)

(Water supply, Rural) (Pashenkov, Ya.M.) (Karambirov, N.A.)

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Shortcomings of the book "Irrigation of agricultural crops". Reviewed by M.A.Grachev. Zemledelie 4 no.7:119-121 Jl '56. (MLRA 9:9)
(Irrigation farming)

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NIFANT'YEV, E.Ye.; GRACHEV, M.A.; BAKINOVSKIY, L.V.; KARA-MURZA, S.G.; KOCHETKOV, N.K.

Synthesis of methyl β-chlorovinyl ketone. Zhur.prikl.khim. 36 no.3: 676-678 My '63. (MIRA 16:5)
(Ketone) (Vinyl compounds)

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KOCHETKOV, N.K.; BUDOVSKIY, E.I.; SHIBAYEV, V.N.; GRACHEV, M.A.

Analogs of enzymes of carbohydrate metabolism. Report No.3: Synthesis of 4-thiouridine diphosphate glucose. Izv. AN SSSR. Ser.khim. no.9:1592-1600 S '63. (MIRA 16:9)

1. Institut khimii prirodnykh soyedineniy AN SSSR.
(Uridine phosphates) (Glucose) (Enzymes)

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BUDOVSKIY, E.I.; GRACHEV, M.A.

Methodology for isolating transfer ribonucleic acid from baker's yeast. Vop.med. khim. 10 no.4:431-433 Jl-Ag '64. (MIRA 18:4)

1. Institut khimii prirodnykh soyedineniy AN SSSR, Moskva.

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

GRACHEV, M.F.

(From material received by the Editor on Clinical Practice Reports)

"Problem of Spaying Cows" by M.F. GRACHEV (Dnepropetrovsk). In order to increase the productivity of cows destined for meat delivery, the author recommends that they be spayed. The animals are kept from eating for 12 hours before the operation.

The spaying operation is performed through the left flank hollow with the animal in a standing position. A 13 centimeter cut is made through the hide, the cellular tissue, and the fasciae; the muscular layers are separated with the handle of a scalpel. The peritoneum is first punctured with the tips of a Kocher's compound pincers and then cut with scissors while controlled by two fingers. After this the left ovary is removed. The right ovary is removed by twisting it free with Sand's spiral forceps and Kocher's pincers. The surface wound is closed with 6 stitckes. Before tying the last stitch a rubber tube is inserted into the abdominal cavity and 5 liters of air extracted from it.

In five cases of spaying cows there were no complications. Milk yield was back to normal in 6-7 days. A slight increase in the butterfat content of the milk was observed. (Veterinariya,No.7,1952)

SO: [redacted] Report U-5638;10 March 1954;p.27; [redacted] de g

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

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42332 GRACHEV, M. I. - Vnedreniye vysokotemperaturnoy payki pri izgotovlenii detaley. (Zavod Mashstroy). V sbi Opyt novatorov mashinostroyeniya. kuybyshev, 1948, s 230-33.

SO: Letopis' Zhurnal'nykh Statey, Vol. 47, 1948.

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

GRACHEV, M.V.; KHASIN, N.V.

Rational use of raw material in flax spinning. Tekst.prom. 16 no.9:20-23 S '56. (MLRA 9:12)
(Flax) (Spinning)

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

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International session on problems of industrial statistics. Vop. ekon. no.9:157-160 S '60. (MIRA 13:8)
(Industrial statistics--Congresses)
(United Nations--Commissions)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

GRACHEV, N., shturman dal'nego plavaniya, prepodavatel'

Let us create a marine encyclopedia. Mor. flot 23 no.11:43 N '63. (MIRA 16:12)

1. Odesskoye vyssheye inzhenernoye morskoye uchilishche.

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

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29312. K voprosu o gemangioendoteliomakh nizhney chelyusti. Trudy Molotovsk. Gos. stomatol. in-ta vyp. 8, 1949, s. 229-33.

SO: Izvwatya Ak. Nauk Latvivskcy SSR, No. 9, Sept., 1955

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1. Urologicheskaya klinika (zav. - prof. I.P. Pogorelko) Tashkentskogo meditsinskogo instituta.

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

ISKRA, Yevgeniy Vasil'yevich; KUTSEVALOVA, Yelizaveta Pavlovna; FAVOROV, Boris Pavlovich; MOSKALEV, A.T., inzh., retsenzent; GRACHEV, N.D., inzh., retsenzent; KONONOV, M.D., inzh., retsenzent; ASHONEVITTS, G.Yu., nauchn. red. ; NIKITINA, M.I., red.

[Painting operations in shipbuilding] Maliarnye raboty v sudostroenii. Leningrad, Sudostroenie, 1965. 237 p. (MIRA 18:5)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

NAZAREVSKIY, S.I.; MAKAROV, S.N.; PILIPENKO, F.S.; GERASIMOV, M.V.; IL'INSKAYA, M.L.; VEKSLER, A.I.,[deceased]; VASIL'YEV, I.M.; IL'INA, N.V.; SOKOLOV, S.Ya.; LOZINA-LOZINSKAYA, A.S.; SAAKOV, S.G.;ZALESSKIY, D.M.; AVRORIN, N.A.; IVANOV, M.I.; PRIKLADOV, N.V.; SOBOLEVSKAYA, K.A.; SALAMATOV, M.N.; MALINOVSKIY, P.I.; LUCHNIK, A.I.; KRAVCHENKO, O.A.; VEKHOV, N.K.; GROZDOV, B.V.; MASHKIN, S.; BOSSE, G.G.; PALIN, P.S.,(g.Shuya, Ivanovskoy oblasti); MATUKHIN; ZATVARNITSKIY, G.F.; GRACHEV, N.G.; CHERKASOV, M.I.; KIRKOPULO, Ye.N.; LEVITSKAYA,A.M.; GRISHKO, N.N.; LIKHVAR', D.F. VIL'CHINSKIY, N.M.; LYPA, A.L.; OREKHOV, M.V.; SHCHERBINA, A.A.; TSYGANKOVA, V.Z.; BARANOVSKIY, A.L.; GEORGIYEVSKIY, S.D.; STEPUNIN, G.A. OZOLIN, E.P.; LUKAYTENE, M.K.; KOS, Yu.I.; VAIL'YEV, A.V.; RUKHADZE, P.Ye.; VASHADZE, V.N.; SHANIDZE, V.M.; MANDZHAVIDZE, D.V.; KORKESHKO, A.L.; KOLESNIKOV, A.I.,(g. Sochi); SERGEYEV, L.I.; VOLOSHIN, M.P.; RYBIN, V.A.; IVANOVA, B.I.; RYABOVA, T.I.; GAREYEV, E.Z. ;RUSANOV, F.N.; BOCHANTSEVA, Z.P.; BLINOVSKIY, K.V.; KLYSHEV, L.K.; MUSHEGYAN, A.M.; LEONOV, L.M.

Talks given by participants in the meeting. Biul.Glav.bot.sada no.15: 85-182 '53. (MLRA 9:1)

1. Glavnyy botanicheskiy sad Akademii nauk SSSR (for Makarov,Pilipenko, Gerasimov, Il'inskaya, Veksler); 2. Akademiya komunal'nogo khozyaystva imeni K.D. Pamfilova for Vasil'yev); 3. Vsesoyuznaya sel'skokhozyaystvennaya vystavka (for Il'ina); 4. Botanicheskiy sad Botanicheskogo instituta imeni V.L.Komarova Akademii nauk SSSR (for Sokolov, Lozina-Lozinskaya, Saakov); 5. Botanicheskiy sad Leningradskogo

(continued on next card)

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

NAZAREVSKIY, S.L.---(continued) Card 2.

gosudarstvennogo ordena Lenina universiteta (for Zalesskiy); 6. Polyarno-Al'piyskiy botanicheskiy sad Kol'skogo filiala imeni S.M. Kirova Akademii nauk SSSR (for Avrorin); 7. Botanicheskiy sak pri Tomskom gosudarstvennom universiteta (for Ivanov); 8. Botanicheskiy sad pri Tomskom gosudarstvennom universiteta imeni V.V. Kuybysheva (for Prikladov); 9. TSentral'nyy Sibirskiy botanicheskiy sad Zapadno-Sibirskogo filiala Akademii nauk SSSR (for Salamatov, Sobolevskaya); 10. Botanicheskiy sad Irkutsko gosudarstvennogo universiteta imeni A.A. Zhdanova (for Malinovskiy); 11. Altayskaya plodovo-yagodnaya opytnaya stantsiya (for Luchnik); 12. Bashkirskiy botanicheskiy sad (for Kravchenko); 13. Lesostepnaya selektsionnaya opytnaya stantsiya dekorativnykh kul'tur tresta Goszelenkhoz Ministerstva kommunal'nogo khozyaystva RSFSR (for Vekhov); 14. Bryanskiy lesokhozyaystvennyy institut (for Grozdov); 15. Botanicheskiy sad pri Voronezhskom gosudarstvennom universitete (for Mashkin); 16. Orekhovo-Zuyevskiy pedagogicheskiy institut (for Bosse); 17. Botanicheskiy sad pri Rostovskom gosudarstvennom universitete imeni V.M. Molotova (for Matukhin); 18. Botanicheskiy sad Kuybyshevskogo gorodckogo otdela narodnogo obrazovaniya (for Zatvarnitskiy); 19. Zoobotanicheskiy sad pri Kazanskom universitete (for Grachev); 20. Gosudarstvennyy respublikanskiy proektnyy institut "Giprokommunstroy" (for Cherkasov); 21. Botanicheskiy sad Odesskogo gosudarstvennogo universiteta imeni I.I. Mechnikova (for Kirkopulo); 22. Botanicheskiy sad pri Dnepropetrovskom gosudarstvennom universitete (for Levitskaya); 23. Botanicheskiy sad

(continued on next card)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

NAZAREVSKIY, S.L.---(continued) Card 3.

Akademii nauk USSR (for Grishko, Likhvar', Vil'chinskiy); 24. Kiyevskiy sel'skokhozyaystvennyy institut (for Lypa); 25. Botanicheskiy sad Chernovitskogo gosudarstvennogo universiteta (for Orekhov); 26. Botanicheskiy sad pri L'vovskom gosudarstvennom universitete imeni Iv. Franko (for Shcherbina); 27. Botanicheskiy sad Khar'kovskogo gosudarstvennogo universiteta imeni A.M. Gor'kogo (for TSygankova); 28. Botanicheskiy sad Zhitomirskogo sel'skokhozyaystvennogo instituta (for Baranovskiy); 29. Botanicheskiy sad Akademii nauk Belorusskoy SSR (for Georgiyevskiy); 30. Institut biologii Akademii nauk Belorusskoy SSR (for Stepunin); 31. Botanicheskiy sad Akademii Litovskoy SSR (for Lukaytene); 32. Botanicheskiy sad Latviyskogo gosudarstvennogo universiteta (for Ozolin); 33. Kabardinskiy krayevedcheskiy botanicheskiy sad (for Kos); 34. Sukhumskiy botanicheskiy sad Akademii nauk Gruzinskoy SSR (for Vasil'yev, Rukhadze); 35. Batumskiy botanicheskiy sad Akademii nauk Gruzinskoy SSR (for Shanidze); 36. Tbilisskiy botanicheskiy sad Akademii nauk Gruzinskoy SSR (for Mandzhavidze); 37. Sochinskiy park Dendrariy (for Korkeshko); 38. Gosudarstvennyy Nikitskiy botanicheskiy sad imeni V.M. Molotova (for Sergeyev, Voloshin); 39. Krymskiy filial Akademii nauk SSSR (for Rybin); 40. Botanicheskiy sad Moldavskogo filiala Akademii nauk SSSR (for Ivanova); 41. Botanicheskiy sad Botanicheskogo instituta Akademii nauk Tadzhikskoy SSR (for Ryabova); 42. Botanicheskiy sad Kirgizskogo filiala Akademii nauk SSSR (for Gareyev); 43. Botanicheskiy

(continued on next card)

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

NAZAREVSKIY, S.L.---(continued) Card 4.

sad Akademii nauk Usbekskoy SSR (for Rusanov, Bochantseva); 44. Botanicheskiy sad Akademii nauk Turkmenskoy SSR (for Blinovskiy); 45. Respublikanskiy sad Akademii nauk Kazakhskoy SSR (for Kiyshev, Mushegyan).

(Botanical gardens)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

GRACHEV, Nikolay Grigor'yevich; USTIYANTS, V.A., red.; PYATAKOVA, N.D., tekhn. red.

[Statistical groups in studying the industrial economics of the U.S.S.R.] Statisticheskie gruppirovki v izuchenii ekonomiki promyshlennosti SSSR. Moskva, Gos. stat. izd-vo, 1958. 211 p. (MIRA 11:10)

(Industrial statistics)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

KVASHA, Yakov Bentsianovich; GRACHEV, N.G., kand.ekon.nauk, otv.red.; BAKOVETSKAYA, V.S., red.izd-va; BRUZGUL', V.V., tekhn.red.

[Amortization and age of fixed assets] Amortizatsiia i sroki sluzhby osnovnykh fondov. Moskva, Izd-vo Akad.nauk SSSR, 1959. 226 p. (MIRA 13:1)

(Amortization)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

GRACHEV, N.G.

Statistical study of specialization and cooperation in industry.
Vop.ekon. no.2:55-64 F '59. (MIRA 12:5)
(Industrial organization)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

GRACHEV, N.

Discussing statistical collections. Vop. ekon. no.3:157-159 Mr '61. (MIRA 14:3)

(Statistics)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

GRACHEV, Nikolay Grigor'yevich; RYABUSHIN, T.V., doktor ekon. nauk, otv. red.; RUBE, V.A., red.; SUSHKOVA, L.A., tekhn. red.

[Classifications and indices of industrial structure] Klassifikatsii i pokazateli struktury promyshlennosti. Moskva, Izd-vo AN SSSR, 1963. 121 p. (MIRA 16:10)
(United States--Industries--Classification)
(Russia--Industries--Classification)
(Germany, West--Industries--Classification)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

L 22667-66 FSS-2/EWT(1)/EWA(d)/T IJP(c) GW
ACC NR: AP6006772 SOURCE CODE: UR/0033/66/043/001/0060/0062

AUTHORS: Grachev, N. I.; Dibay, E. A.

ORG: State Astronomical Institute im. P. K. Shternberg (Gos. astronomicheskiy in-t)

TITLE: Spectrophotometry of the central part of the Lagoon nebula

SOURCE: Astronomicheskiy zhurnal, v. 43, no. 1, 1966, 60-62

TOPIC TAGS: nebula, spectrophotometry, astronomic telescope, electron density, temperature

ABSTRACT: Spectral data on the Lagoon nebula were obtained in July-September 1964 by means of a diffraction spectrograph through a Cassegrain focus 125-mm telescope. Dispersion of the photographic zone of the spectrum was 140 Å/mm. A-650 and A-700 films were used with exposures of 15 to 90 minutes. The orientation angle of the slit was 17° and the slit height was 300". The Seaton method was used for determining the physical parameters. Two condensations in the central part of the nebula were studied. The electron temperature of the condensations was found to be 10 000°, of the surrounding nebula 9 000°.

Card 1/2 UDC: 523.161

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

L 22667-66
ACC NR: AP6006772

Electron density in the condensations is $1.6 \cdot 10^4/cm^3$, in the surrounding nebula $250/cm^3$. The total mass of the two condensations is 0.1 of the solar mass. The temperatures and concentrations obtained suggest that no secondary sources of radiation (stars) exist within the condensations. Orig. art. has: 2 figures and 1 table.

SUB CODE: 03/ SUBM DATE: 22Mar65/ ORIG REF: 004/ OTH REF: 002

Card 2/2

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

GRACHEV, N.I.

ZUTS-3 device for cleaning railroad tank cars. Transp. i khran. nefti i nefteprod. no.1:24-26 '64. (MIRA 18:1)

1. Spetsial'noye konstruktorskoye byuro "Transneft'avtomatika".

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

GRACHEV, N.K.; SUZDAL'TSEVA, N.V.

Murom swine. Zhivotnovodstvo 20 no.8:68-73 Ag '58. (MIRA 11:10)

1.Starshiy zootekhnik-selektsioner Muromskogo gosplemrassadnika (for Grachev). 2. Zootekhnik-inspektor Muromskogo gosplemrassadnika (for Suzdal'tseva).

(Swine breeds)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

GRACHEV, P.A.; NEYMAN, N.I.

Efficient organization of a centralized manufacture and supply of enterprises with metal-cutting tools. Mashinstroitel' no.8:38 Ag '60. (MIRA 13:9)

(Metal-cutting tools)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

S/120/63/000/001/045/072
E032/E314

AUTHORS: Bezuglyy, V.D., Grachev, N.M. and Dykhanova, A.S.

TITLE: The efficiency of film scintillators based on polytrimethyl styrene

PERIODICAL: Pribory i tekhnika eksperimenta, no. 1, 1963, 163

TEXT: It has been shown in a previous paper that poly-2,4,5-trimethyl styrene may be suitable as a base for plastic scintillators. Experimental study of this material showed that its scintillation efficiency was higher by 50% as compared with the efficiency of polystyrene-base film scintillators. The scintillating films used in these measurements included 1% (by wt.) of 2,5-diphenyloxazol. The relative scintillation efficiency of polystyrene, poly-3-methyl styrene, poly-4-methyl styrene, poly-2,4-dimethyl styrene and poly-2,4,5-trimethyl styrene was found to be 100, 105, 120, 140 and 150, respectively. The relative scintillation efficiency was measured with the АИ-100 (AI-100) apparatus incorporating an ФЭУ-29 (FEU-29) photomultiplier. The scintillations were excited by Po^{210} α-particles.

Card 1/2

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

The efficiency of film S/120/63/000/001/045/072
E032/E314

All the films had an equal thickness (0.1 mm).

ASSOCIATION: VNII Monokristallov
(VNII Single Crystals)

SUBMITTED: April 2, 1962

Card 2/2

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

L 13386-63 EWP(j)/BDS/EWT(m) AFFTC/ASD Pc-4 RM

ACCESSION NR: AP3002747 S/0120/63/000/003/0175/0176

AUTHOR: Kilimov, A. P.; Grachev, N. M. 58

TITLE: Efficiency of plastic scintillators based on styrene and para-vinyl-toluene copolymers

SOURCE: Pribory* i tekhnika eksperimenta, no. 3., 1963, 175-176

TOPIC TAGS: plastic scintillator

ABSTRACT: Experimental investigation of light yield of the above copolymers as a function of para-vinyl-toluene concentration is reported. An optimum copolymer composition was found. The results are practically useful as they show that, with equal efficiency, a less expensive copolymer can be used to replace pure vinyl-toluene. Orig. art. has: 2 figures.

ASSOCIATION: VNII monokristallov (VNII of Single Crystals)

SUBMITTED: 03Aug62 DATE ACQ: 12Jul63 ENCL: 00

SUB CODE: PH, NS NO REF SOV: 002 OTHER: 003

Card 1/1

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

KILIMOV, A.P.; GRACHEV, N.M.

Efficiency of plastic scintillators on the basis of copolymers of styrene with paravinyltoluene. Prib. i tekh. eksp. 8 no.3: 175-176 My-Je '63. (MIRA 16:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut monokristallov.
(Scintillation counters)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

ACCESSION NR: AR5003892

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

[illegible] Abs. 11A339

20
19
B

AUTHORS: Bezuglyy, V. D.; Grachev, N. M.; Petrova, I. B.

TITLE: High-efficiency plastic scintillators

SOURCE: Sb. Stsintillyatory i stsintillyats. materialy. Vyp. Khar'kov, Khar'kovsk. un-t, 1963, 80-84

TOPIC TAGS: plastic scintillator, organic scintillator, scintillation efficiency

TRANSLATION: In order to obtain more effective plastic scintillators (PS), the polymer base was chosen to be 2.4-dimethyl styrene (vinyl xylol), which forms a polymer with aromatic rings. PS [illegible] with vinyl xylol as a base were [illegible] in glass ampoules [illegible]

1/2

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

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"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

4

plastic scintillator

ABSTRACT: Plastic scintillators based on 6-vinyl-1,2,3,4-tetrahydronaphthalene

SUBMITTED: 05Oct63 ENCL: 00 SUB CODE: NP

NO REF SOV: 004 OTHER: 001

Card 1/1

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

GRACHEV, N.M.; PETROVA, I.B.

Spectrophotometric method of determining a residual monomer in polyvinyltoluene. Plast. massy no.2:65-66 '65. (MIRA 18:7)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

[illegible] EWG(k)/EWT(m)/EWP(j)/EWA(h)/EWA(1) Pc-4/Pab RM

[illegible]

[illegible]

ization, tetramethylstyrene

[illegible] Certificate presents a method for obtaining film scintil-

[illegible] SOV: 000 OTHER: 000

Card 1/1 [illegible]

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

GRACHEV, N.P.

Problems of amortization and economic accountability in industrial establishments. Vop.ekon. no.6:106-113 Je '57. (MLRA 10:7)
(Depreciation) (Accounting)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

GRACHEV, N.P.

Hydraulic chamber feeder with ball valves controlled by electromagnets. Zap. LGI 41 no.1:130-134 '59. (MIRA 16:5)
(Hydraulic conveying--Equipment and supplies)
(Electromagnets)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

GRACHEV, Nikolay Pavlovich; GRIGOR'YEV, Yuriy Alekseyevich; MUKHIN, Aleksandr Fedorovich; KAKHOVSKAYA, O.G., red.izd-va; VEYTSMAN, N.R., red.; PAVLOVSKIY, A.A., tekhn. red.

[Accounting in the foreign trade of the U.S.S.R.] Uchet vo vneshnei torgovle SSSR. Moskva, Vneshtorgizdat, 1962. 300 p. (MIRA 16:2)

(Accounting) (Russia—Commerce)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

KOPYLOV, Nikolay Georgiyevich; GRACHEV, N.P., kand. tekhn. nauk, dots., retsenzent; GARBARUK, V.N., kand. tekhn. nauk, dots., red.; YURKEVICH, M.P., inzh., red. izd-va; BARDINA, A.A., tekhn. red.

[Theory of shaking conveyors]Teoriia kachaiushchikhsia konveierov. Moskva, Mashgiz, 1963. 126 p. (MIRA 16:4)
(Conveying machinery)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

GRACHEV, N. P.

"Theoretical and Experimental Investigation of the Operations of Cable Drawn Scrapers." Cand Tech Sci, Chair of Ore Transport, Leningrad Order of Lenin and Order of Labor RedBanner Mining Inst, Min of Higher Education USSR, Leningrad, 1954. (KL, No 8, Feb 55)

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

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

TYMOVSKIY, L.G., dotsent, kand.tekhn.nauk; GRACHEV, [redacted]P., dotsent, kand. tekhn.nauk; BERSENEV, V.S., dotsent, kand.tekhn.nauk

Possible ways of improving the technology of open-cut mining operations. Gor.zhur. no.10:11-14 O '60. (MIRA 13:9)

1. Leningradskiy gornyy institut.
(Strip mining)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

GERONT'YEV, Vladimir Ivanovich, doktor tekhn.nauk, prof.; KARELIN, Nikolay Timofeyevich, dots.; Prinimali uchastiye: GRACHEV, N.P., dots.; TYMOVSKIY, L.G., dots.; GORBACHEV, B.G., kand. tekhn. nauk, otv. red.; KOVAL', I.V., red.izd-va; IL'INSKAYA, G.M., tekhn. red.

[Mine transportation]Rudnichnyi transport. Moskva, Gosgortekhizdat, 1962. 424 p. (MIRA 15:11)

1. Kafedra rudnichnogo transporta Leningradskogo gosudarstvennogo universiteta (for Grachev, Tymovskiy), 2. Zaveduyushchiy kafedroy rudnichnogo transporta Leningradskogo gosudarstvennogo instituta (for Geront'yev).
(Mine haulage)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000516510012-0

POKROVSKAYA, V.N., kand. tekhn. nauk; GRACHEV, N.P., kand. tekhn. nauk

Automatic, small-scale, chamber-type, hydraulic feeder. Gor. zhur. no.8:59-62 Ag '64. (MIRA 17:10)

1. Leningradskiy gornyy institut.

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24(8)

AUTHORS: Kirillov, P.L., Grachev, N.S.

TITLE: Determination of Sodium Vapor Pressure at Temperatures From 880 to 1,300°C (Opredeleniye uprugosti parov natriya pri temperaturakh 880 - 1,300°C)

PERIODICAL: Inzhenerno-fizicheskiy zhurnal, 1959, Nr 5, pp 3-7 (USSR)

ABSTRACT: It is necessary to know the pressure of sodium vapors at high temperatures from 900 to 1,300°C, when sodium is used as a heat carrier in this range of temperatures. The previous investigations of Ditchburn and Gilmour [Ref 1] and Makansi et al. [Ref 2] led to the temperature (T) - pressure p_s - relation of the following type:

$$\lg p_s = -\frac{A}{T} + C$$

This expression, however, cannot be quite satisfactory, because it is assumed that evaporation heat does not depend on temperature.

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Determination of Sodium Vapor Pressure at Temperatures From 880 to 1,300°C

If this dependence is taken into consideration, then the character of the relation would take the following form:

$$\lg p_s = -\frac{A}{T} + B \lg T + C$$

The authors carried out 3 series of experiments to check this theoretical relation. The temperature range was from 880 to 1,300°C. As a result, 44 experimental readings were obtained, and the values of the pressure of saturated sodium vapor were plotted versus temperature values on Graph 2. The curve obtained can be satisfactorily represented by the following analytical expression:

$$\lg p_s = -\frac{5589}{T} - 0.5 \lg T + 6.270$$

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thus confirming thereby the theoretical relation cited above. This relation is applicable also to the data of the other investigators for pressures exceeding 1 mm Hg. The accuracy of this relation amounts to 3% for pressures above one atmosphere. There are 2 graphs, 1 diagram, 1 table and 3 non-Soviet references.

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5(2) SOV/89-6-3-12/29

AUTHORS: Grachev, N. S., Kirillov, P. L.

TITLE: An Apparatus for Removing Oxygen and Water Vapor Traces from Inert Gases (Ustanovka dlya tonkoy ochistki inertnykh gazov ot kisloroda i parov vody)

PERIODICAL: Atomnaya energiya, 1959, Vol 6, Nr 3, pp 327-329 (USSR)

ABSTRACT: The apparatus used - it is schematically represented in figure 1 - consists of a cylindrical container (diameter 105 mm, length 2500 mm, made of 1Kh18N9T steel) containing 10 kg of coppered silica gel. In a container the dimensions of which accurately correspond to those of the cylindrical container, the supply pipe is led down to the bottom of the container. This container is filled with 5 - 7 l of sodium or with a mixture of sodium - potassium. In order to increase its efficiency bundles of steel cuttings are inserted into the absorber. A buffer volume prevents contamination of the coppered silica gel by metal. At the outlet of the container a filter is applied absorbing the sodium vapors. The purified inert gas is collected in a container of a volume of 0.6 m^3 which is computed for 10 at. A water seal is used for the regeneration of the coppered silica

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