"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

ASOYAN, N.S.; GAVRILOV, N.I.; GORNUNG, M.B.; KREMEN', K.S.; OLEYNIKOV, I.N.; PUCHKOV, I.B.; CHERNIKOV, G.P.; SHURAN, Ye.M., red.; ZABIROV, B.Sh., red.; KUZNETSOV, A.D., tekhn. red.

[Wast Africa; 1:5 000 000] Zapadnaia Afrika; 1:5 000 000. Moskva, Geografizdat, 1961. fold.map. ___[Text] 45 p. (MIRA 15:7)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye geodezii i kartografii.

(Africa, West--Maps)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

KREMEN', K.S.; LIPETS, Yu.G.; MAKAROV, Yu.S.; MEDVEDKOV, Yu.V.; OLEYNIKOV, I.N.; CHIZHOV, N.N.; VORONINA, L.M., red.; ZABIROV, B.Sh., red.; NASHAYEVA, E.A., tekhn. red.

[Equatorial and Southern Africa; 1:5 000 000] Ekvatorial'naia i IUzhnaia Afrika; 1:5 000 000. Moskva, Gos.izd-vo geogr.lit-ry 1961. 1 fold. map. ___ Text. 56 p. (MIRA 15:1)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye geodezii i kartografii.
(Africa--Economic geography--Maps)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

ASOYAN, N.S.; GAVRILOV, N.I.; GORNUNG, M.B.; KREMEN', K.S.; OLEYNIKOV, I.N.; PUCHKOV, I.B.; CHERNIKOV, G.P.; ZABIROV, B.Sh., red.; KOSTINSKIY, D.N., red.; ZHURAVLEVA, G.P., mlad. red.; GOLITSYN, A.V., red. kart; BURLAKA, N.P., tekhn. red.

[Countries of West Africa; geographical information] Strany Zapadnoy Afriki; geograficheskie spravki. Moskva, Geografgiz, 1962. 47 p. (MIRA 15:7)

(Africa, West—Geography, Economic)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

KREMEN', K.S.; LIPETS, Yu.G.; MAKAROV, Yu.S.; MEDVEDKOV, Yu.V.; OLEYNIKOV, I.N.; CHIZHOV, N.N.; ZABIROV, B.Sh., red.; KOSTINSKIY, D.N., red.; ZHURAVLEVA, G.P., mladshiy red.; GOLITSYN, A.V., red. kart; BURLAKA, N.P., tekhn. red.

[Countries of Central and South Africa; geographical information] Strany TSentral'noi i IUzhnoi Afriki; geograficheskie spravki. Moskva, Geografgiz,1962. 61 p. (MIRA 15:7)
(Africa, Central--Geography, Economic)
(Africa, South--Geography, Economic)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

OLEYNIKOV, I.N.: VORONINA, L.M., red.; KOSTINSKIY, D.N., red.; BARANOV, S.V., tekhn. red.

[The Congo; 1:2,500,000] Kongo; 1:2500 000. Moskva, Gos. izd-vo geogr. lit-ry, 1962. [The Republic of the Congo (with Leopoldville as capital)] Respublika Kongo (so stolitsei v Leopol'dvile. 1963. 30 p. (MIRA 16:4)

1. Russia (1923- U.S.S.R.)Glavnoye upravleniye geodezii i kartografii.
(Congo (Leopoldville))--Maps)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

OLEYNIKOV, I.N.

Source of the Congo River. Izv. Vses. Geog. ob-va 97 no.5: 473-476 S-O '65. (MIRA 18:11)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

5

ZHILKIN, V.B.; Prinimali uchastiye: ITEL'SON, G.M.; KALGANOV, D.K.; KADOBNOV, V.D.; OLEYNIKOV, I.S.; SMIRNOV, V.I.; BLYUMENFEL'D, M.K.; KONYASHIN, Ye.I.; LASKIN, R.L.

Experimental use of titanium in hydrometallurgy. Titan i ego splavy no.8:273-278 '62. (MIRA 16:1)
(Hydrometallurgy—Equipment and supplies)
(Titanium—Corrosion)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

OLEYNIKOV, L.F.

Increasing the durability of the worm on mold-conveyor machines. Lit. proizv. no.5:40 My '62. (MIRA 16:3)
(Conveying machinery—Maintenance and repair)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

CLEYNIKOV, M.

Metallography

Fluorescent defectoscope. Nauka i zhizn', 19, No. 8, 1952.

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

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

VINOGRADOV, P.V.; OLEYNIKOV, M.L.

Faulty design of the Tishlesv rat trap. Gig. i san. 24 no.9:86 S '59. (MIRA 13:1)

1. Iz Kaliningradskoy oblastnoy sanitarno-epidemiologicheskoy stantsii.
(RATS--EXTERMINATION)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

ABRAMOV, M.I.; BELIZIN, V.I.; DEVITSKIY, S.M.; ZATULA, V.I.; ZOLOTAREV, V.N.; ZOLOTAREV, I.S.; IL'INA, M.I.; KOLYSHKINA, N.S.; KUDASOV, L.P.; MAKHLIN, V.N.; MEDVEDEV, G.S.; NEKHAYEV, I.S.; GLEYNIKOV, M.S.; PARKHOMENKO, P.N.; TOMASHEVSKIY, V.I.; FEDUNETS, I.Kh.; KHRAMTSOV, V.K.; ZOLOTAREV, N.V., red.; SEVRYUKOV, P.A., tekhn.red.

[Planning on collective farms; manual] Planirovanie v kolkhozakh; spravochnik. Kursk, Kurskoe knizhnoe izd-vo, 1960. 437 p. (MIRA 14:2)

(Collective farms)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

AID P - 5131

Subject : USSR/Aeronautics - education

Card 1/1 Pub. 135 - 16/26

Author : Oleynikov, M. V., Eng.-Col. and F. S. Mukhomedov, Maj.

Title : Teacher of the theory of flight

Periodical : Vest. vozd. flota, 10, 74-75, O 1956

Abstract : It is described briefly how the senior teacher of the theory of flight, Eng-Col. N. G. Ganevich, carries out his lectures in an outstanding manner in an Air Force unit.

Institution : None

Submitted : No date

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

OLEYNIKOV, B.V.; SHVARTSEV, S.L.; MANDRIKOVA, N.T.; OLEYNIKOVA, N.N.

Nickel hexahydrite, a new mineral. Zap.Vses.min.ob-va 94 no.5 534-547 '65. (MIRA 18:11)

1. Sibirskiy nauchno-issledovatel'skiy institut geologii, geofiziki i mineral'nogo syr'ya, Novosibirsk.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

OLEYNIKOV, N.P., inzh.

Purification of oils by means of the NSM-2 unit. Stroi. i dor. mash. 10 no.8:36-38 Ag '65. (MIRA 18:9)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

OLEYNIKOV, N. S.

24201 OLEYNIKOV, N. S. Pitaniye bol'sherotogo okunya (Micropterus salmoides Lacepede) v ozerakh Abrau i Limanchik. Uchenyye zapiski (Rost. N/D Gos. Ul-T im. Molotova), T. XV, 1949, S. 25-34. - Bibliogr: 16 Nazv.

SO: Letopis, No. 32, 1949.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

USSR / Farm Animals. Wild Animals. Q-4

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 45261

Author : Oleynikov, N. S.
Inst : Not given
Title : The Mating of Nutrias According to the Calender Chart

Orig Pub : Karakulevodstvo i zverovodstvo, 1957, No. 2, 64

Abstract : At the Bagayev promkhoz of the Rostov Oblast', the nutrias are introduced to the males according to the calendar chart as follows: the next day after whelping, and thereafter every 27 days until pregnancy is ascertained. This method considerably reduces the period of barrenness of the females and increases the output of the youngs.

Card 1/1

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

OLEYNIKOV, Viktor Alekseyevich; ZOTOV, Nikolay Sergeyevich; PATEYEV, A.V., doktor tekhn. nauk, prof., retsenzent; KOTCHENKO, F.F., inzh., nauchnyy red.; BRUSKIN, D.M., ved. red.; SAFRONOVA, I.M., tekhn. red.

[Automatic control of technological processes in the petroleum and petrochemical industries]Avtomaticheskoe regulirovanie tekhnologicheskikh protsessov v neftianoi i neftekhimicheskoi promyshlennosti. Leningrad, Gostoptekhizdat, 1962. 321 p. (MIRA 15:11)

(Automatic control)
(Petroleum industry—Equipment and supplies)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

OLEYNIKOV, N.S.

Artificial nests for ducks in Krasnodar Territory. Ornitologiia no.5:260-265 '62. (MIRA 16:2)
(Sladkiy Liman region--Ducks)
(Sladkiy Liman region--Birds--Eggs and nests)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

OLEYNIKOV, N.S.; VASIL'YEVA, I.N.

Coarse vegetation control in the bodies of water by using nutrias. Izv. AN Turk. SSR. Ser. biol. nauk no.5:74-76 '63. (MIRA 17:10)

1. Rostovskiy gosudarstvennyy universitet.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

L 38432-66 EWT(m)/EWP(t)/ETI IJP(c) JG/JD

ACC NR: AP6019579 SOURCE CODE: UR/0115/66/000/004/0050/0054

AUTHOR: Dankshevskiy, S. K.; Ipatova, S. I.; Olevnikov, P. P.; Olevnikova, L. D.; Pavlova, Ye. I.; Smirnova, N. I.; Trakhtenberg, L. I.

ORG: none

55

B

TITLE: Thermocouples made of molybdenum-rhenium alloys

SOURCE: Izmeritel'naya tekhnika, no. 4, 1966, 50-54

TOPIC TAGS: thermocouple, molybdenum containing alloy, rhenium containing alloy, temperature measurement

ABSTRACT: From a study of the phase diagram of the system it is evident that, with a high rhenium content in the alloy, there is formed a large grain chemical compound (α-phase) which makes mechanical working difficult. Therefore, the present investigation was limited to pure rhenium and to alloys with a rhenium content of not more than 50 weight percent rhenium. The starting materials for production of the alloys were molybdenum powder and ammonium perrhenate. A mixture of molybdenum with a calculated amount of ammonium perrhenate was reduced in a stream of hydrogen in two stages, at temperatures of 350 and 950°C. The powder obtained was pressed into tablets and sintered in a hydrogen medium.

Card 1/2 UDC: 536.532

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

L 28459-66 EWT(m)/EWP(w)/T/EWP(t)/ETI IJP(c) JD/JG

ACC NR: AP6017296 (N) SOURCE CODE: UR/0136/66/000/005/0074/0074

AUTHOR: Gornyy, D. S.; Oleynikov, P. P.

ORG: none

TITLE: Thermoelectric properties of yttrium

SOURCE: Tsvetnyye metally, no. 5, 1965, 74

TOPIC TAGS: yttrium, thermocouple, yttrium thermoelectromotive force, yttrium oxidation

ABSTRACT: The thermoelectric properties of 99.874%-pure yttrium relative to spectrally pure platinum have been measured in an argon atmosphere and in air at 0—1100C range. The thermocouple was made of 0.8 mm yttrium wire annealed at 600C for 1 hr and 0.5 mm platinum wire twisted together; the cold joint was kept at 0C and the measurements were made at 50C intervals. It was found that with increasing temperature the thermal emf increased uniformly and smoothly and was 1.04, 2.92, 5.27, 8.42, and 12.32 millivolt at 200, 400, 600, 800, and 1000C, respectively. The thermocouple sensitivity also increased with increasing temperature and was 6.7, 10.8, and 20.2 microvolt per degree C at 200, 500, and 1000C, respectively. Practically identical readings were observed in both argon and air, although a break in the hot joint contact occurred occasionally because of the oxidation of the yttrium thermoelectrode when held for more than 3 min at high temperatures. Thus, high-purity yttrium can be safely heated

Card 1/2 UDC: 669.794:537.32

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

L 28459-66

ACC NR: AP6017296

(for up to 3 min) in air up to 1100C without oxidation, which confirms that high-purity yttrium resists oxidation when exposed to high temperatures for a short time. [MS]

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 002/ OTH REF: 001/ ATD PRESS: 5006

Card 2/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

L 04271-67

ACC NR: AP6013297 SOURCE CODE: UR/0413/66/000/008/0090/0091

AUTHORS: Gurevich, A. M.; Zuyev, V. M.; Oleynikov, P. P.

ORG: none

34
B

TITLE: Automatic radiation pyrometer for measuring actual temperature of reflecting non-black bodies. Class 42, No. 180832 [announced by Central Laboratory of Automation (Tsentral'naya laboratoriya avtomatiki)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 8, 1966, 90-91

TOPIC TAGS: pyrometer, radiation pyrometer, pyrometry, temperature measurement

ABSTRACT: This Author Certificate presents an automatic radiation pyrometer for measuring the actual temperature of reflecting non-black bodies. The pyrometer contains a radiation receiver, a comparator in the form of an incandescent lamp or a black body, and an optical system. To diminish its inertia and to simplify the construction of the head and the placing of the head at a desired distance from the investigated surface, the pyrometer is provided with an additional comparator (an incandescent lamp or a black body) connected in series or in parallel with the basic comparator unit. The radiation characteristics of the two comparators are identical. To make the utilization of older pyrometers possible, the additional comparator may be placed in a separate holder.

SUB CODE: 13/ SUBM DATE: 18Jul63

Card 1/1 UDC: 536.521.087.4

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

SOV/128-59-10-13/24

18(5)

AUTHORS: Spasskiy, A.G., Doctor of Technical Sciences, Fomin, B.A., and Oleynikov, S.I., Engineers

TITLE: Thermal Treatment of Liquid Metals and Its Influence on the Mechanical Qualities of Castings

PERIODICAL: Liteynoye proizvodstvo, 1959, Nr 10, pp 35-37 (USSR)

ABSTRACT: The authors present some results of tests made on the thermal treatment of liquid metals. Experience has shown that the thermal treatment of the liquid metal results in higher mechanical qualities. The alloy is heated up to a temperature at which the precrystallization compositions are destroyed. After this, part of the metal is filled into a ladle and cools off. The other part remains in the furnace. Experience has shown that the metal can be held in a liquid state for 25-30 minutes without changing its structure, after both parts are put together again. Aluminium alloys with 9% copper have a toughness of 16-17 kg/mm^2 and an elongation of 1-1.5% per unit length during the usual casting. After heat treatment in liquid state, the same alloy had a toughness

Card 1/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

SOV/128-59-10-13/24

Thermal Treatment of Liquid Metals and Its Influence on the Mechanical Qualities of Castings

of 22-24 kg/mm^2 and an elongation length of 3-4% per unit. Aluminum alloys with either 10% magnesium, 5% iron, 5-7% silicon or 10-11% silicon gave similar results. Figs.1, 2 and 3 show microstructures of aluminum alloys. The article is partly based on the studies of D.P. Lovtsov. There are 3 photographs and 4 Soviet references.

Card 2/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

20035

18.4000 1087 1496 1454 1045

H/015/60/011/008/001/002
B122/B227

AUTHORS: Spaskiy, A. G., Fomin, B. A., Oleynikov, S. I.

TITLE: Heat treatment of melts and its effect on the mechanical properties of castings

PERIODICAL: Öntöde, v. 11, no. 8, 1960, 167-170

TEXT: The authors produce evidence that by proper heat treatment of the melt the mechanical properties of castings can be improved, and the method is applicable in any foundry without the use of particular additional equipment. V. I. Danilov established that in melts, near the liquidus point, atoms are grouped according to the crystal lattices. These groups break up when the temperature is raised. A. G. Spaskiy and V. V. Rogozhin poured untreated hypoeutectic Alpax into a mold preheated to 700-720°C. The structure of the cast rod specimens was that of irregularly precipitated silicon needles in solid aluminum solution, but also primary silicon crystals were found. Similar specimens, cast at 900-1000°C, showed a structure corresponding to a heat-treated alloy in which the dendrites of the solid solution were uniformly

Card 1/3

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

20035

Heat treatment of melts and its ... H/015/60/011/008/001/002
B122/B227

surrounded by fine-grained eutectic. D. P. Lovtsov's experiments demonstrated that the structure of the casting was identical with that of the non-heat-treated alloy - independently of the sodium content - when the melt, heated to 900-1000°C, was slowly cooled down. Ye. Pivovarskiy and D. P. Ivanov investigated the effect of superheating on the structure of cast iron and found that the structure of the solution rearranges itself still in the molten state. For the heat treatment of melts the authors recommend the following method: The alloy to be treated is heated to a temperature necessary for the breakup of grouping before crystallization. Part of the melt is poured into a ladle and is let to cool down to a temperature chosen so that the temperature of the mixture of the two batches (the batch left in the furnace and that poured into the ladle) reach the required pouring temperature of the casting. In this process, the superheated particles of the melt, meeting those of the cooler batch, are cooled down at a rate that no prearrangement can take place before crystallization. This leads to a substantial change of the structure and strength characteristics of the casting. The practical problem is to work out the most suitable heat-treatment technique for every alloy. The following examples of

Card 2/3

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

heat treatment, illustrated by photomicrograms, are presented [Abstracter's note: the photos are not reproducible]: 1) Al, 9% Cu-alloy: temperatures of the 2 batches: 800-900°C and 690-700°C; tensile strengths: untreated alloy: 16-17 kg/mm^2; elongations: untreated: 1-1.5%; heat-treated: 3-4%; structure: untreated: eutectic between the crystallites of the Al solution forms veins; heat-treated: eutectic is granular. 2) Al, 5% Fe-alloy: temperatures of the two batches: 1000°C and 750°C, respectively; tensile strengths: untreated: 10 kg/mm^2; heat-treated: 14 kg/mm^2; elongations 1% and 3.4-4.5% respectively; structure: untreated: coarse Fe precipitates; heat-treated: fine-grained eutectic. 3) grey iron: temperatures of the two batches: 1350°C and 1200°C; tensile strengths: 13-14 kg/mm^2 and 22-28 kg/mm^2; elongations not given; graphite in the heat-treated alloy has become for the most part eutectic. The authors hope that heat treatment of melts will facilitate the engineering application of alloys so far not used because of their poor mechanical properties. There are 3 figures and 4 Soviet-bloc references.

Card 3/3

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

DOMINIKAN, N., inzh.; OLEYNIKOV, T., inzh.

Using ultrasonic waves in grain milling. Muk.-elev.prom. 25 no.12:20-22 D '59. (MIRA 13:4)

1. Odesskiy mukomol'no-krupyanoy tekhnikum.
(Grain milling)
(Ultrasonic waves--Industrial application)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

OLEYNIKOV, T.L.

Daily output of the brigade attains 160-250 per cent. Mashinostroitel' no.8:33 Ag '59. (MIRA 12:11)

1. Brigadir kuznetsov Uralmashzavoda.
(Sverdlovsk--Efficiency, Industrial)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

OLEYNIKOV, I. L.

PHASE I BOOK EXPLOITATION SOV/4944

Kamaev, P.V., Candidate of Technical Sciences, Docent, Ed.

Peredovoy opyt kovki (Advanced Experience in Forging) [Leningrad] Lenizdat, 1959. 246 p. 3,000 copies printed.

Ed.: Ye.V. Yemel'yanova; Tech. Ed.: I.M. Tikhomova.

PURPOSE: This collection of articles is intended for workers and engineers in die-forging shops and for personnel of affiliated branches in the machine industry.

COVERAGE: The articles deal with the advanced experience of a number of Leningrad plants in mechanizing and improving production methods in die forging. Recommendations are made concerning the specialization of forging shops, and the further development of open-die forging processes. Articles by operators-innovators in forging shops of the Nevo-Kramatorskiy (New Kramatorsk) and Ural'skiy (Ural) machinery plants are included. The collection contains some of the papers which were discussed during the conference in June 1958 (P.V. Kamaev, Chairman) on open-die forging, called by the regional section for the pressworking of metals of the Leningradskoye Pravleniye nauchno-tekhnicheskogo obshchestva mashinostroitel'noy promyshlennosti (Leningrad Administration of the Scientific and Technical Society of the Machine Industry) and the Leningradskiy Dom nauchno-tekhnicheskoy propagandy (Leningrad House of Scientific and Technical Propaganda). The foreword includes a list of the participants who submitted papers to the aforementioned conference. There are no references.

Nadvinskiy, V.G., Chief Process Engineer, Die-Pressing Shop. Making Forgings From Chlong-Form Ingots 57

Advanced Experience in Forging SOV/4944

Cherevy, Yu.F., Engineer. Hot Pressing of Steel Ingots Instead of Forging Them 79

Golikov, F.N., Chief of Section. Improving the Press-Forging Processes 88

Misyagin, N.F., Operator-Innovator. Making Large Forgings With Reduced Allowances and Minimum Declinations From the Given Dimensions 96

Golosovskiy, S.I., Engineer, V.N. Kuz'mintsev, Candidate of Technical Sciences, and V.M. Pimenov, Engineer. New Methods of Making Hydroturbine Shafts 103

Trifonov, B.A., Senior Foreman. Experience in the Operation of a 12,000-ton Forging Press 116

Mikhailov, V.M., Operator-Innovator, Hero of Socialist Labor. Experience in Promoting Efficient Forging Processes on a 1000-Ton Press 134

Danilov, N.P., Deputy Chief of Shop, and S.M. Zarkhin, Engineer. From the Experience of the Leningradskiy Metallicheskiy Zavod (Leningrad Metal Plant) in Forging-Shop Operation 146

Kireyev, V.S., Chief of Section, M.R. Kavitskiy, Engineer, and T.L. Olenykov, Operator-Innovator. Advanced Experience of the Forging Operators of the Ural Plant. 178

Ammosov, N.I., Chief Process Engineer, Forging Shop. Examples of Promoting Efficiency in the Drop-Forging Processes 206

Nadiryants, L.M., Engineer. Promoting Efficiency in the Drop-Forging Processes 224

Serafimovich, M.N., Operator-Innovator. Examples of Promoting Efficiency in the Production of Small Forgings 234

AVAILABLE: Library of Congress

Card 4/4

VK/vrc/sfm
4/24/61

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

OLEYNIKOV, V.A.

On the transcendence and algebraic independence of certain E-functions, Vest. Mosk. un. Ser. 1:Mat., mekh. no.6:34-38 N-D '62. (MIRA 16:2)

1. Kafedra teorii chisel Moskovskogo universiteta.
(Functions)
(Differential equations)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

OLEYNIKOV, V.A.

Some properties of algebraically dependent quantities.
Vest. Mosk. un. Ser.1: Mat.,mekh. 17 no.5:11-17 S-O '62.
(MIRA 15:9)

1. Kafedra teorii chisel Moskovskogo universiteta.
(Rings (Algebra))

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

OLEYNIKOV, V. A.

FATEYEV, A.F., doktor tekhn. nauk; VAVILOV, A.A., kand. tekhn. nauk; OLEYNIKOV, V.A., inzh.

Method for improving the characteristics of amplidynes. Vest. elektroprom. 27 no.8:54-57 Ag '56. (MIRA 10:9)

1. Leningradskiy elektrotekhnicheskiy institut imeni V.I. Ul'yanova (Lenina).

(Electric controllers)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

OLEYNIKOV, V. A., Cand Tech Sci -- (diss) "Analysis of the work of magnetic amplidyne amplifiers and evaluation of transient processes occurring in them under impulse operating conditions." Len, 1958. 11 pp (Min of Higher Education USSR, Len Electrical Engineering Inst im V. I. Ul'yanov (Lenin)), 150 copies (KL, 18-58, 99)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

SOV/144-59-8-6/14

AUTHORS: Oleynikov, V.A. (Cand.Tech.Sci., Dosent); Solov'yev, N.V. Semov, Yu.N., Aspirants

TITLE: Pulse System for Speed Control of Direct Current Motor

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Elektromekhanika, 1959, Nr 8, pp 61-70 (USSR)

ABSTRACT: Methods of speed control for separately-excited d.c. motors are known (Refs 1 and 2) but usually require a d.c. amplifier, special supplies and are generally lacking in stability. The method proposed does not require special supplies and lends itself to transistorization. The principal features of the whole arrangement are in Fig 1. The motor is a PN-45 (4 kW, 220 V, 2200 rpm), the crossed-field amplifier is an EMU-25-3000 (2.5 kW, 230 V, 3000 rpm). The sensing element is a d.c. tacho-generator coupled to a source of standard voltage. This is followed by a pulse-convertor (converting direct-voltage error into variable-duration pulses) and pulse power amplifier feeding the control winding on the EMU. The pulse converter is shown in Fig 2. Valves $Л_1$ and $Л_2$ form a biased, cathode-coupled multivibrator driven at 160 c/s from a pulse generator. The bias on $Л_2$ is controlled by the direct

Card 1/4

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

SOV/144-59-8-6/14

Pulse System for Speed Control of Direct Current Motor

voltage applied to the grid of $Л_3$. Eqs (1) and (2) give the grid voltages at $Л_2$ for valve $Л_3$ respectively cut-off and conducting. Fig 3 shows the exponential character of the voltage change at the grid of $Л_2$ for the two conditions of $Л_3$. When the signal increases the $Л_2$ anode pulse narrows while the $Л_1$ anode pulse widens. The resistance R_{a3} extends the range of linear operation. Fig 4 is a measured relation between pulse width at $Л_1$ anode and the input voltage at $Л_3$. The transfer coefficient of the pulse converter is the slope of this characteristic, K_u as in Eq (5). Taking into account the gain of the power amplifier, K_y (Eq (6)), the overall transconductance is 64 mA/V. The remaining transfer coefficients are: the motor 0.814, the crossed-field machine 7.8, the tacho-generator 5.4. Voltage feedback on the crossed-field machine, 0.01. These parameters are sufficient to give speed control of a range of 30:1 with an accuracy of 10%. Speed/torque (current) curves are in Fig 6. If the pulse rate is high enough their intermittent nature can be neglected in a transient analysis. The block diagram for such an

Card 2/4

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

SOV/144-59-8-6/14

Pulse System for Speed Control of Direct Current Motor

analysis is Fig 7, whose operational transfer function is Eq (8). An examination of the various coefficients shows that the denominator can be represented quite adequately by a cubic with roots -2.1, -27.6, -26.2. It follows from these values that the transfer function of the system is given by Eq (9) which is plotted as a phase and log amplitude characteristic in Fig 8. The effective time constant of the control system is 0.5 sec, the overshoot is 20%. Also shown in Fig 8 are the characteristics of suitable correcting elements. These take the form of the 4-element (2R, 2C) correcting network in Fig 1 inserted after the pulse circuit. Fig 9 shows the transient conditions at the corrector. Fig 10 shows the final response with a time-constant of 0.25-0.30 sec and reduced overshoot. The thick line is 'measured', the thin line 'calculated'.

Card 3/4

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

SOV/144-59-8-6/14

Pulse System for Speed Control of Direct Current Motor

There are 10 figures and 4 Soviet references.

ASSOCIATION: Kafedra avtomatiki i telemekhaniki, Leningradskiy elektrotekhnicheskiy institut (Chair of Automation and Telemechanics, Leningrad Electro-technical Institute)

Card 4/4

SUBMITTED: May 30, 1959

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

OLEYNIKOV, Viktor Alekseyevich, kand. tekhn. nauk; BELYKH, Ivan Kalistratovich, inzh.; BARANOVSKIY, Boris Grigor'yevich, inzh.; SIDOROV, Anatoliy Ivanovich, inzh.; SHIPULIN, P.P., kand. tekhn. nauk, red.; YEGOR'KOV, N.F., red. izd-va; BELOGUROVA, I.A., tekhn. red.

[Servo system for electric spark machining] Slediashchaia sistema dlia elektroerozionnogo stanka. Leningrad, 1960. 21 p. (Leningradskii Dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Elektricheskie metody obrabotki materialov, no.4) (MIRA 14:10)

(Electric metal cutting) (Automatic control)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

PHASE I BOOK EXPLOITATION SOV/4211

Konferentsiya po voprosam teorii i primeneniya diskretnykh avtomaticheskikh sistem, Moscow, 1958

Teoriya i primeneniye diskretnykh avtomaticheskikh sistem; trudy konferentsii (Theory and Application of Discrete Automatic Systems; Transactions of the Conference) Moscow, AN SSSR, 1960. 572 p. 5,000 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Natsional'nyy komitet SSSR po avtomaticheskomu upravleniyu. Institut avtomatiki i telemekhaniki.

Editorial Board: M.A. Gavrilov, Doctor of Technical Sciences, Yu.V. Dolgolenko, Doctor of Technical Sciences, V.A. Kotel'nikov, Candidate of Technical Sciences, A.Ya. Lerner, Doctor of Technical Sciences, I.S. Morosanov (Scientific Secretary), G.S. Pospelov, Doctor of Technical Sciences, A.A. Fel'dbaum, Doctor of Technical Sciences, A.V. Khramoy, Candidate of Technical Sciences, and Ya.Z. Tsypkin, Doctor of Technical Sciences; Resp. Ed.: Ya.Z. Tsypkin, Doctor of Technical Sciences; Ed. of Publishing House: M.L. Podgoyetskiy; Tech. Ed.: S.G. Markevich.

PURPOSE: These transactions are intended for the members of the conference and other specialists in automatic control.

COVERAGE: The Conference on the Problems of Theory and Application of Discrete Automatic Systems took place in Moscow from September 22 to 26, 1958. It was the first conference devoted to discussions of the present status of the theory and techniques of discrete automatic systems and to planning for future development. The papers discussed at the conference have been divided into four groups. In the first group optimization switching circuits are discussed as well as methods of relay control systems, in particular plant lag control systems in which are realized optimal processes as to quick response. The second group of papers is devoted to the analysis and synthesis of pulse systems with variable parameters, of pulse systems with several pulse components, to the study of self-oscillation phenomena in nonlinear pulse systems, and to the methods of calculating linear pulse systems. Problems of simulating pulse systems and descriptions of some pulse regulators have also been included. The third group of papers deals with digital systems. Problems of using elements of digital technique and digital computers for the automation of various fields of engineering, i.e., power engineering, mining, radio communication, metallurgy, etc., are discussed. Problems of analog-digital conversion and vice versa as well as problems of developing specialized functional converters have been included in this group. The fourth group of papers includes theoretical elements and certain practical applications of the simplest types of self-adjusting systems, optimalizing control systems, which are developed as relay, pulse and digital devices. Here are also found papers describing various methods of investigating steady state conditions in optimalizing systems, results of studying the effects of random factors on the process of automatic scanning, and examples of existing optimalizing control systems. Some of the more interesting communications and observations made during the discussion of the various conference papers have also been included in the Transactions. Personalities and references accompany most of the papers.

OLEYNIKOV, V.A.

Zyrenkov, V.N. (Moscow). Discrete Three-Position Regulation of Twenty Parameters By One Regulator. 236

The author presents the results of developing a multichannel system for the regulation of the temperature and dampness of ten drying rooms of the Moscow Wood-Processing Plant. There are 3 references, all Soviet.

Olenikov, V.A. (Leningrad). Methods of Increasing the Quick Response of a Rotating Amplifier and Calculation of Transients in Complex Pulse Circuits 239

Two proposed methods of increasing the quick response of a rotating amplifier, that is either by increasing the amplitude or increasing the pulse duration, are rejected by the author because both lead to an undesirable increase of pulse power and output voltage. The author developed a special scheme for increasing quick response which he describes in detail. The forcing of the transient is obtained at the expense of a discharge of capacitance on the control winding in an interval between pulses. There is 1 Soviet reference.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

FATEYEV, Aleksandr Vasil'yevich, doktor tekhn.nauk, prof.; OLEYNIKOV, Viktor Alekseyevich, kand.tekhn.nauk, dotsent; ZOTOV, Nikolay Sergeyevich, assistent; POLYAKOV, Yuriy Andreyevich, inzh.

System for the stabilization and regulation of the speed of a d.c. motor using a tachometer generator. Izv. vys. ucheb. zav.; elektromekh. 3 no.12:58-64 '60. (MIRA 14:5)

1. Zaveduyushchiy kafedroy avtomatiki i telemekhaniki Leningradskogo elektrotekhnicheskogo instituta (for Fateyev). 2. Leningradskiy elektrotekhnicheskiy institut (for Oleynikov). 3. Kafedra avtomatiki i telemekhaniki Leningradskogo elektrotekhnicheskogo instituta (for Zotov, Polyakov).

(Electric motors, Direct current)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

BAYASANOV, Dilsyan Bilalovich; OLEYNIKOV, V.A., kand. tekhn. nauk dots., retsenzent; KOTCHENKO, F.F., nauchn. red.; REYKHERT, L.A., ved. red.

[Automatic control of gas pipelines] Avtomaticheskoe upravlenie magistral'nymi gazoprovodami. Leningrad, Nedra, 1964. 434 p. (MIRA 17:10)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

OLEYNIKOV, V.A.

Transcendece and algebraic independence of the values of E-functions representing the solution to a linear differential equation of the third order. Dokl. AN SSSR 166 no.3:540-543 Ja '66. (MIRA 19:1)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova. Submitted September 7, 1965.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

ACC NR: AP7005421 SOURCE CODE: UR/0020/66/169/001/0032/0034

OLEYNIKOV, V. A. Moscow State University im. M. B. Lomonosov (Moskovskiy gosudarstvennyy universitet)

"Algebraic Independence of Values of E-Functions Satisfying Linear Inhomogeneous Third-Order Differential Equations"

Moscow, Doklady Akademii Nauk SSSR (Proceedings, Academy of Sciences USSR), Vol. 169, No. 1, 1966, pp 32-34

Abstract: The method developed by the author (Doklady Akad. Nauk SSSR, Vol. 166, No. 3, (1966)) to prove that the solution of a linear homogeneous differential equation of the third order and its derivatives is algebraically independent of the field of rational functions is extended to nonhomogeneous equations. This allows the method to be used in the general case to prove the algebraic independence of the values of E-functions which satisfy linear differential equations of the third order. (For the definition of E-functions, see e.g. A. B. Shidlovskiy, Izv. Akad. Nauk SSSR, ser. Matem., Vol. 23, No. 1 (1959).) This paper was presented by Academician A. Yu. Ishlinskiy on 18 October 1965. Orig. art. has: 7 formulas. [JPRS: 38,695]

TOPIC TAGS: third order differential equation, linear differential equation

SUB CODE: 12 / SUBM DATE: 15Oct65 / ORIG REF: 004

Card 1/1

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

ACC NR: AR7008648 SOURCE CODE: UR/0372/66/000/012/G018/G018

AUTHOR: Oleynikov, V. A.; Likerman, D. I.

TITLE: Maximizing the speed of one class of automatic control systems

SOURCE: Ref. zh. Kibernetika, Abs. 12G116

REF SOURCE: Izv. Leningr. elektrotekhn. in-ta, vyp. 56, ch. 3, 1966, 47-49

TOPIC TAGS: gas turbine, optimal automatic control, linear differential equation

ABSTRACT: The authors consider problems in maximization of the speed of automatic control systems described by rational-fractional transfer functions, i. e. linear differential equations containing derivatives of the controlling action in the right-hand member. It is noted that equations of this type have the property of being inaccessible to direct application of the principle of the maximum for finding optimum speed of operation. It is pointed out that joint formulation of two problems is preferable for the given automatic control systems: transfer of the system from one state to another in a minimum time assuming given limitations, and stabilization of the controlling coordinate in the given state after completion of the optimum transfer process under these same limitations. The first problem is solved by application of the principle of the maximum to the resultant normal system. A solution is found for joint formula-

UDC: 62-505

Card 1/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

ACC NR: AR7008648

tion of the first and second problems. An example is given illustrating solution of a problem in speed optimization with subsequent stabilization for approximate equations of the dynamics of a gas turbine installation. B. B. [Translation of abstract]

SUB CODE: 13, 12/

Card 2/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

OLEYNIKOV, V.D.

The OS-4,5 grain-cleaning machine. Biul.tekhn.-ekon.inform. no.12: 44-46 '60. (MIRA 13:12)

(Grain--Cleaning)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

OLEYNIKOV, V.D.

The OPV-20 grain-cleaning machine. Biul.tekhn.-ekon.inform. no.12: 46-48 '60. (MIRA 13:12)

(Grain--Cleaning)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

KOZ'MIN, K.N., kand.tekhn.nauk; OLEYNIKOV, V.M., kand.tekhn.nauk; GROTE, G.V., kand.tekhn.nauk, nauchnyy red.; VOROB'YEV, G.S., red.izd-va; GURDZHIYEVA, A.N., tekhn.red.

[Modern locomotive manufacture in the U.S.S.R. and in foreign countries] Sovremennoe lokomotivostroenie v SSSR i za rubezhom. Leningrad, Ob-vo po rasprostraneniiu polit. i nauchn.znanii RSFSR, Leningr.otd-nie, 1960. 42 p. (MIRA 13:8)
(Locomotives--Construction)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

OLEYNIKOV, V.N.; KAZANSKIY, M.F.

Use of the gammascopy method for studying the kinetics of motion of humidity in a capillary porous body. Inzh.-fiz. zhur. no.2:38-44 F '58. (MIRA 13:1)

1. Pedagogicheskiy institut im.Gor'kogo, laboratoriya molekulyarnoy fiziki, Kiyev.
(Soil moisture)
(Gamma rays--Industrial applications)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

OLNYNIKOV, V.N.; KAZANSKIY, M.F.

Using gamma rays in investigating nonstationary hydrothermal fields resulting from the drying of a macroporous body. Inzh.-fiz. zhur. no.11:92-96 N '59 (MIRA 13:3)

1. Tekhnologicheskiy institut legkoy promyshlennosti, Kiyev.
(Drying) (Gamma rays)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

04258

17.4430

S/170/60/003/010/003/023X
B019/B054

AUTHORS: Oleynikov, V. N., Kazanskiy, M. F.

TITLE: II. An Investigation of the Unsteady Hydrothermal Field of a Macroporous Body by Means of Gammascopy 19

PERIODICAL: Inzhenerno-fizicheskiy zhurnal, 1960, Vol. 3, No. 10, pp. 33 - 38

TEXT: In the previous paper (Ref. 1), the authors described the experimental equipment, and dealt with experimental results on the kinetics of the moisture content and the temperature field in a thick macroporous body. With the same equipment, they investigated the kinetics of the unsteady fields of the moisture content and of the temperature of the same macrocapillary-porous body 20 in drying under harder conditions. The method suggested by the authors (Ref. 1) permits a simultaneous determination of the temperature kinetics and moisture content in some layers of the body, and thus the setting up of rules governing the heat- and mass exchange in drying. Fig. 1 graphically shows moisture contents and temperatures in various layers of the sand sample as a function of the

Card 1/3

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

84258

II. An Investigation of the Unsteady Hydrothermal Field of a Macroporous Body by Means of Gammascopy

S/170/60/003/010/003/023X
B019/B054

drying period. Hence, it appears that the end of the period of a constant drying rate does not coincide with that of the constant temperature increase. Further, an endothermic effect is found, which follows the period of a constant rate of temperature increase. A special investigation into the nature of this endothermic effect shows that this effect sets in as soon as the moisture content has dropped to 3-5%. The greatest temperature drop is observed at a moisture of about 1%. This coincides with the removal of pendular moisture. The further investigation shows that the removal of moisture from a macroporous body depends on the state of moisture. Fig. 4 represents the drying rates as a function of the moisture content for various layers. All curves possess two critical points of different physical nature. The first one is connected with the moisture state on the surface. In all layers, the first point has the same moisture, independent of the moisture state in the other layers. The authors assume that in this point the moisture passes over from the capillary to the funicular state. M. F. Kazanskiy (Ref. 3), A. A. Isirikyan (Ref. 5), M. V. Venediktov (Ref. 7), A. S. Vasil'yev (Ref. 8), and T. G. Borodulina (Ref. 9) are mentioned. There are

Card 2/3

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

64258

II. An Investigation of the Unsteady Hydrothermal Field of a Macroporous Body by Means of Gammascopy

S/170/60/003/010/003/023 X
B019/B054

4 figures, 1 table, and 9 Soviet references.

ASSOCIATION: Tekhnologicheskiy institut legkoy promyshlennosti g. Kiyev (Technological Institute of the Light Industry, Kiyev)

SUBMITTED: October 23, 1959

Card 3/3

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

OLEYNIKOV, V. N., KAZANSKIY, M. F., and LUTSIK, P. P.

"The influence of Moisture on Non-stationary Heat and Mass Transfer in Capillary-Porous Bodies."

Report submitted for the Conference on Heat and Mass Transfer, Minsk, BSSR, June 1961.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

L 45603-66 EWT(1)/EWT(m)/EWP(j) IJP(c) WW/JW/RM

ACC NR: AP6021937 (N) SOURCE CODE: UR/0143/66/000/003/0114/0118 63 B

AUTHOR: Kuznetsov, N. M. (Doctor of Technical Sciences); Gleynik, V. N. (Engineer)

ORG: Higher Naval Engineering Order of Lenin School im. F. E. Dzerzhinskiy, Leningrad (Vysshaye voyenno-morskoye inzhenernoye uchilishche)

TITLE: Heat transfer to an organic heat carrier in annuli

SOURCE: IVUZ. Energetika, no. 3, 1966, 114-118

TOPIC TAGS: heat transfer, heat carrier, Reynolds number, Nusselt number, Prandtl number, fluid viscosity

ABSTRACT: The heat transfer to a diphenyl mixture was studied because there are no published data on heat transfer to organic heat carriers in annuli. The heat transfer was studied in annuli ranging in width from 1.5 to 6 mm and in a round tube with a diameter of 17 mm. The data obtained made it possible to determine the effect of geometric dimensions of annuli on heat transfer and to set up a criterion formula. The experimental data on the heat transfer to a diphenyl mixture in annuli are in good agreement with the criterion formula. The experimental data on heat transfer to a diphenyl mixture in round tubes are in good agreement with the data of other scientists and can be described by the following criterion formula

$$Nu = 0.027 Re^{0.8} Pr^{0.36} \frac{\mu}{\mu_w}^{0.11}$$

, where Nu, Re, and Pr are the Nusselt,

Card 1/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

L 46875-66 EWT(1) GW

ACC NR: AR6016290 SOURCE CODE: UR/0269/66/000/001/0050/0050

36
B

AUTHOR: Oliynyk, P. A.

TITLE: The question of determining the precise contour of the Fraunhofer lines

SOURCE: Ref. zh. Astronomiya, Abs. 1.51.409

REF SOURCE: Tsirkulyar. Astron. observ. L'vovsk. un-ta, no. 41, 1964, 35-37

TOPIC TAGS: solar spectrum, spectral line, spectrographic analysis, Fraunhofer line, Pulkovo Observatory

ABSTRACT: Thirteen lines of the spectrum of the center of the solar disk, obtained with the large double-chamber spectrograph of Pulkovo Observatory, were investigated. The line profiles were corrected for instrument distortions and compared with profiles corrected by an analogous method from the Utrecht Atlas. The residual central intensities in the Atlas were found to be greater than those obtained with the Pulkovo spectrograms. R. T. [Translation of abstract]

SUB CODE: 03

Card 1/1 UDC: 523.77

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

ACC NR: AP6033470 SOURCE CODE: UR/0413/66/000/018/0057/0057

INVENTOR: Bondarenko, I. K.; Oleynikov, V. N.

ORG: none

TITLE: Superhigh frequency discriminator. Class 21, No. 185976

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 18, 1966, 57

TOPIC TAGS: superhigh frequency, frequency discriminator, frequency shift

ABSTRACT: An Author Certificate has been issued for a superhigh frequency discriminator made in the shape of a section of a waveguide or coaxial line above which two detector chambers are placed. To ensure the prompt tracing of frequency shift over a wide wave range, the detectors or coupling loops are positioned in the planes of the cross-sectional piece at a distance of λ and are turned at an angle of 22.5° with respect to the planes (see Fig. 1). [Translation]

Card 1/2 UDC: 621.317.76:621.328.8:621.315.212

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

ACC NR: AP6033470

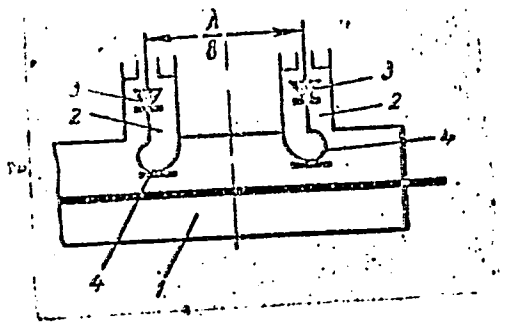

Fig. 1. Superhigh frequency discriminator
1—Piece of coaxial line;
2—detecting chambers;
3—detectors; 4—coupling loops.

SUB CODE: 09/ SUBM DATE: 01Feb65/

Card 2/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

OLEYNIKOV, V.S., gornyy inzhener; VERESA, F.I., gornyy inzhener; KUZIN, I.I., konstruktor

Adopting high capacity cars in the Ingulets mine. Gor.zhur. no.5: 37-40 My '55. (MLRA 8:7)
(Ingulets--Mine haulage)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

OLEYNIKOV, V.S., gornyy inzhener; PERMYASHOV, A.S., gorny inzhener; VERESA, V.I., gornyy inzhener; MIKHAYLOV, Yu.I., gornyy inzhener.

Conveyor delivery of iron ore in mines. Mekh.trud.rab. 9 no.10:15-16 O '55. (Mining machinery) (MLRA 9:1)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

KIVILIS, S.S.; OLEYNIKOV, V.Ye.

Effect of temperature on the readings of differential manometers. Izm.tekh. no.3:53-55 Mr '62. (MIRA 15:2)
(Manometer—Testing) (Flowmeter—Testing)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

KIVILIS, S.S.; OLEYNIKOV, V.Ye.

Temperature error of float differential manometers and flowmeters. Priborostroenie no.11:2-5 N '62. (MIRA 15:12)
(Manometer) (Flowmeters)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

L 10717-63 BDS

ACCESSION NR: AT3002055 S/2589/62/000/066/0052/0060

49

AUTHOR: Kivilis, S. S.; Oleynikov, V. Ye.

TITLE: Some defects of floating differential manometer-flow meters 10

SOURCE: USSR. Komitet standartov, mer, i izmeritel'nykh priborov. Trudy* institutov Komiteta, no. 66 (126), 1962. Issledovaniya v oblasti izmereniy davleniya, raskhoda i vakuuma, 52-60

TOPIC TAGS: floating differential manometer-flow meter, float immersion depth

ABSTRACT: Defects are studied as a function of change of immersion depth of the float during charging and change in ambient temperature. Calculations and experiments carried out in 1957 at VNII of the Committee on Standards, Measures and Measuring Instruments indicated systematic (negative) error at all points of the scale. It was found that [illegible]

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

Pressure were made. Orig. art. has: 10 formulas, 2 figures and 2 tables.

ASSOCIATION: VNIIK

Card 1/2

L 10717-63
ACCESSION NR: AT3002055

SUBMITTED: 24Jun61 DATE ACQ: 20Apr63 ENCL: 00

SUB CODE: OC NO REF SOV: 005 OTHER: 004

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

bm/ck
Card 2/2

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

S/115/63/000/002/007/008
E202/E492

AUTHORS: Kivilis, S.S., Oleynikov, V.Ye.

TITLE: Equations for the calculation of throughput in the constricting installations

PERIODICAL: Izmeritel'naya tekhnika, no.2, 1963, 52-54

TEXT: Two new important changes regarding differential manometers - flowmeters - are introduced into ГОСТ (GOST) 3720-60.
1) The nominal pressure drop of a differential manometer type of flowmeter, corresponding to the drop between the upper range of measurements with respect to throughput or upper value of the output signal, should be expressed in the units of pressure (viz. kgs/m^2 or kgs/cm^2) and not by the height of the column of water or mercury in a parallel connected standard liquid manometer (as hitherto stated in rules 27 to 54).
2) The consumption is expressed by means of the mass or the volume of a substance related to a unit of time. These changes prevent the use of the well known equations of flow and the working formulas for the calculation of flow measured by differential manometer in connection with a constricting system. Formulas

Card 1/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

for the calculation of these flows according to this new standard are given, preceded by introductory fundamental formulas of mass flow in a constricting system. The MKC (MKS) equivalent system is also given. A table listing types of differential manometers, the nature of the medium measured and the respective expressions for the calculation of volume or mass flows are given. The instruction extends also to oil-filled differential manometers used for low-pressure gas dispensation. The formulas and instructions given do not extend to the float and ring-type differential manometers with buffering containers which do not satisfy the requirements of paragraph 128 of the rules 27 to 54. There is 1 table.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

OLEYNIKOV, Yevgeniy Grigor'yevich; FEDOTOV, D.K., red.

[Electrical methods for steam turbine control] Elektricheskie metody kontrolia parovykh turbin. Moskva, Energiia, 1965. 133 p. (MIRA 18:7)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

OLEYNIKOVA, A.I.; DZHALALOV, A.N.; MIKHAYLENKO, P.N.

Mine filling with a scraper. Ugol'.prom. no.3:83-84 My-Je '62.
(MIRA 18:3)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

CHERNINA, L.L.; ORZHEVSKIY, V.I.; OMEYNIKOVA, A.N.

Introducing electrically melted baddeleyite-corundum refractory material "Zirconate." Biul.tekh.-ekon.inform.Gos.nauch.-issl. inst.nauch.i tekh. inform. 18 no.9:11-12 S '65. (MIRA 18:10)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

SOV/137-59-1-417

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 1, p 52 (USSR)

AUTHORS: Oleynikova, G. V., Khazanov, Ye. I.

TITLE: On the Concentration of Sillimanite Slates (Opyt obogashcheniya sillimanitovykh slantsev)

PERIODICAL: V sb.: Materialy po izuch. proizvodit. sil Buryat-Mong. ASSR. Nr 3. Ulan-Ude, 1957, pp 155-160

ABSTRACT: A summary of the results of a chemical analysis of sillimanite slates. Gravitational concentration of a medium-grade assay yielded a Ti product from which a Ti concentrate was segregated by the method of electromagnetic separation. By means of flotation, the sillimanite-quartz fraction was segregated into a sillimanite concentrate and SiO_2 tailings. Sodium carbonate, starch, and oleic acid were employed as flotation reagents in quantities of 7 kg/ton, 80 g/ton, and 400 g/ton respectively. In addition to a rutile concentrate containing 77% TiO_2 and 12.21% Fe_2O_3, the eroded portion of sillimanite slates yielded 1% of ore. 58.3% of TiO_2 were extracted into the concentrate. Investigations which were carried out in order to determine the suitability of sillimanite deposits for concentration processing

Card 1/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

On the Concentration of Sillimanite Slates

SOV/137-59-1-417

demonstrated that three products may be obtained: Sillimanite and rutile concentrates and SiO_2 tailings. Sillimanite rocks of the Kyakhtin deposits in the Buryat ASSR may become a valuable raw material in the manufacture of Ti, metallic Al, Al-Si alloys, as well as building materials.

M. M.

Card 2/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

SOV/137-58-9-18446

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 9, p 37 (USSR)

AUTHORS: Mal'tsev, V. S., ~~Oleynikova, G. V.,~~ Khazanov, Ye. I.

TITLE: Mineralogical Composition and Structure of Alumino-calcium Slags With a High Content of Titanium Oxides (Mineralogicheskiy sostav i struktura alyumokal'tsiyevykh shlakov s povyshennym soderzhaniyem okislov titana)

PERIODICAL: Izv. vost. fil. AN SSSR, 1957, Nr 7, pp 54-59

ABSTRACT: The effect of Ti dioxide on the process of the crystallization and the subsequent hydrochemical treatment of alumino-calcium slags was investigated. Synthetic mixtures were briquetted and sintered in a silit furnace at 1200°C. The sintered briquets obtained were melted in a high-frequency furnace (LG-30) and held at 1500° for one hour. The contents of TiO_2 and SiO_2 in the slags investigated corresponded to the contents of these components in high-titanium bauxites. The adduced table of the chemical composition of the slags investigated shows that the limits of Al_2O_3 content corresponded to 31 - 47%, CaO 47 - 50%, SiO_2 4-10%, and TiO_2 1 - 8%. The presence of perovskite, dicalcium silicate, monocalcium aluminate, and

Card 1/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

SOV/137-58-9-18446

Mineralogical Composition and Structure (cont.)

pentacalcium trialuminate was discovered in the slag. The character of the optical properties and crystallization forms of perovskite and aluminates of Ca is adduced. The authors indicate that the high contents of silicon dioxide (up to 10%) and Ti dioxide (up to 10%) in the slags with a comparably low amount of alumina (34.4 - 42.7%) brings about their selfdisintegration owing to the transformation of the β-modification of $2CaO \cdot SiO_2$ into the γ modification $2CaO \cdot SiO_2$ upon the cooling of the slags. With a lower silica content (up to 6%) and a higher alumina content (up to 48%) the selfdisintegration of the slags does not occur. The authors draw the conclusion that the absence of silicates of alumina in the slags investigated ensures a high extraction of alumina by leaching them out with caustic soda solutions. Meanwhile TiO_2 in the slags should not exceed 3 - 4%. The authors recommend gravitational concentration of bauxites prior to smelting, as the result of which a minimum content of Ti should be achieved in aluminocalcium silicate slags, which would contribute to a maximum yield of alumina through their leaching.

1. Slags--Properties 2. Calcium aluminates 3. Titanium oxide--Metallurgical effects 4. Slags--Crystallization A. R.

Card 2/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

OLEYNIKOVA, G.V.

Composition, physicochemical properties, and dressing of sillimanite ores of the Kyakhta deposit. Trudy Vost.-Sib. fil. AN SSSR no.13:50-59 '58. (MIRA 12:12)

1. Vostochno-Sibirskiy filial AN SSSR.
(Kyakhta District--Sillimanite) (Ore dressing)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

KHAZANOV, Ye.I.; OLEYNIKOVA, G.V.

Kyakhta deposit sillimanite is a complex titanium-bearing ore.
Titan i ego splavy no.2:3-5 '59. (MIRA 13:6)

1. Vostochno-Sibirskiy filial AN SSSR.
(Kyakhta--Sillimanite) (Titanium ores)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

OLEYNIKOVA, Galina Aleksandrovna; SLAVOROSOV, A.Kh., red.izd-va; SHKLYAR, S.Ya., tekhn. red.; OVSEYENKO, V.G., tekhn. red.

[Chute drawer and hauler]Liukovoi-provozhatyi. Moskva, Gosgortekhizdat, 1962. 115 p. (MIRA 15:11)
(Ore handling)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

SOV/109-4-1-18/30

AUTHORS: Shevchik, V.N. and Oleynikova, I.P.

TITLE: Interaction Between a Modulated Electron Beam and a Travelling Electromagnetic Wave (Vzaimodeystviye modulirovannogo elektronnogo potoka s begushchey elektromagnitnoy volnoy)

PERIODICAL: Radiotekhnika i Elektronika, 1959, Vol 4, Nr 1, pp 128 - 130 (USSR)

ABSTRACT: The following system is considered (see the figure on p 128). An electron beam which is modulated in the Region I by the field of a travelling wave, enters the drift Region II, where additional bunching of the electrons takes place; subsequently, the beam enters the interaction Region III, where a slow wave is propagated. If the signal is small, the velocity v_1 and the relative transit angle Φ_1 in the Region I are expressed by Eqs (1) and (2), while the modulation of the transit angle θ in the Region II is given by Eq (3). The velocity of electrons in the Region III is given by Eq (4), while the relative transit angle Φ_2

Card1/3

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

SOV/109-4-1-18/30

Interaction Between a Modulated Electron Beam and a Travelling Electromagnetic Wave

in the region is expressed by Eq (5). Consequently, the bunched current in the Region III is expressed by Eq (6). The power of the interaction of the electron beam and the wave field is expressed by Eq (7) which, by employing the alternating component of the current from Eq (6), can be written in the form of Eq (8). From Eq (8) it follows that the energy exchange between electrons and the field of the travelling wave is described by four partial effects. The first term of Eq (8) is due to the so-called "klystron effect". The second term is due to that portion of the variable current component which is produced as a result of the electron bunching in the Region III; this in turn is due to the velocity modulation performed in the Region I. The third term describes the interaction between the wave in the Region III and the direct component of the current. Finally, the fourth term characterises the power produced in the Region III by that portion of the variable current

Card2/3

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

SOV/109-4-1-18/30

Interaction Between a Modulated Electron Beam and a Travelling Electromagnetic Wave

component which is produced as the result of the bunching of the electrons in the Region I.
There are 1 figure and 11 references, 9 of which are Soviet and 2 English.

SUBMITTED: March 4, 1958

Card 3/3

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

OLEYNIKOVA, K.N.

Effect of steric phenomena on the spectra of nitro- and aminoalkyl benzenes and their complexes. Izv. vys. ucheb. zav.; fiz. 8 no.4:144-146 '65. (MIRA 18:12)

1. Tomskiy gosudarstvennyy universitet imeni V.V. Kuybyshevskiy. Submitted December 25, 1963.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

OLEYNIKOVA, K.S., inzh.

Use of natural gas for oxygen cutting. Svar.proizv. no.1:35 Ja '62. (MIRA 15:3)

1. Mashinostroitel'nyy zavod im. 15-letiya Leninskogo kommunisticheskogo soyuza moldoexhi Ukrainy.
(Gas welding and cutting)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

S/697/61/000/000/003/018
D228/D303

AUTHORS: Bibikova, V. I., Oleynikova, K. V., Postnikova, S. V. and Khazanova, T. P.

TITLE: Behavior of rhenium during the roasting of molybdenite concentrates and technologic methods of obtaining it

SOURCE: Akademiya nauk SSSR. Institut metallurgii im. A. A. Baykova. Institut mineralogii, geokhimii i kristallokhimii redkikh elementov. Mezhduvedomstvennaya komissiya po redkim metallam. Vsesoyuznoye soveshchaniye po probleme reniya. Moscow, 1958. Reniy; trudy soveshchaniya. Moscow, Izd-vo AN SSSR, 1961, 37-41

TEXT: The authors describe their investigation of: (a) distribution of Re in almost all molybdenite concentrates being processed in the USSR, (b) distribution of Re in Cu-Mo ore from three beneficiation plants, and (c) general behavior of Re during the roasting of molybdenite concentrates. They also suggest certain refinements in the production technique for Re. Concentrates from deposits in

Card 1/3

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

S/697/61/000/000/003/018
D228/D303

Behavior of rhenium ...

Armenia, Kazakhstan and Uzbekistan are characterized by rather high Re contents which exceptionally rise to 0.1%; in those from other Siberian and Far Eastern deposits, however, the maximum concentration was not found to exceed 90 p.p.m. Data given in a table show that in the case of ore from three beneficiation plants the Mo-fraction holds up to 5 times as much Re as the Cu-fraction. Graphs are presented to illustrate the higher vapor-tension of Re_2O_7 as compared with MoO_3 at different temperatures. The authors stress the need for an excess of air during the roasting of concentrates if the formation of ReO_3 and ReO_2, which have a lower vapor-tension, is to be avoided. It is also noted that Re is most fully sublimated in furnaces of the boiling-layer type; here, 95% of the metal passes into gaseous phase, whence it is best recovered by means of a wet Cottrell filter or a rapid foam-bubbler. Turning to the question of Re production technology, which is at present largely governed by the high and low solubilities of Re_2O_7 and $KReO_4$, the authors describe their attempts to reduce $KReO_4$ and

Card 2/3

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

S/137/62/000/006/057/163
A052/A101

AUTHORS: Bibikova, V. I., Postnikova, S. V., Oleynikova, K. V.

TITLE: Methods of production of high-purity rhenium

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 6, 1962, 18, abstract 6G141 (In collection: "Reniy", Moscow, AN SSSR, 1961, 75 - 80)

TEXT: To purify metallic Re from Pb, Sn and other admixtures it is suggested to carry out a vacuum heating of pressed powder at a residual pressure of $1 \cdot 10^{-4}$ mm Hg, 2,500°C and at a 2 hours' heating. The purity of produced Re was 99.988% (Pb, Sn, Cd, Bi and Sb content was $<0.0001\%$ each). To reduce K and Cd content experiments on producing metallic Re from ammonium perrhenate were made. In this case powder Re contained 0.02% K and 0.009% Cd. The output of metallic Re was 96.4%. The losses of Re when heating up to 2,500°C reached 5.9%.

G. Svodtseva

[Abstracter's note: Complete translation]

Card 1/1

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

L 38432-66 EWT(m)/EWP(t)/ETI IJP(c) JG/JD

ACC NR: AP6019579 SOURCE CODE: UR/0115/66/000/004/0050/0054

AUTHOR: Dankshevskiy, S. K.; Ipatova, S. I.; Olevnikov, P. P.; Olevnikova, L. D.; Pavlova, Ye. I.; Smirnova, N. I.; Trakhtenberg, L. I.

ORG: none

55

B

TITLE: Thermocouples made of molybdenum-rhenium alloys

SOURCE: Izmeritel'naya tekhnika, no. 4, 1966, 50-54

TOPIC TAGS: thermocouple, molybdenum containing alloy, rhenium containing alloy, temperature measurement

ABSTRACT: From a study of the phase diagram of the system it is evident that, with a high rhenium content in the alloy, there is formed a large grain chemical compound (α-phase) which makes mechanical working difficult. Therefore, the present investigation was limited to pure rhenium and to alloys with a rhenium content of not more than 50 weight percent rhenium. The starting materials for production of the alloys were molybdenum powder and ammonium perrhenate. A mixture of molybdenum with a calculated amount of ammonium perrhenate was reduced in a stream of hydrogen in two stages, at temperatures of 350 and 950°C. The powder obtained was pressed into tablets and sintered in a hydrogen medium.

UDC: 536.532

Card 1/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

L 38432-66

ACC NR: AP6019579

Mechanical working of the alloys containing up to 30% of the alloying additive was analogous to that commonly used for molybdenum. The dependence of the electromotive force of the thermocouples on temperature for different alloys of molybdenum and rhenium was determined up to 1800°C. A platinum-platinum rhodium thermocouple was used as a control. Results are exhibited in a series of curves. The thermoelectric and mechanical properties of the thermocouples are listed in several large tables. It is concluded that thermocouples made of molybdenum-rhenium alloys can be used for temperature measurements in hydrocarbon media, for a limited time, not exceeding 1 to 2 hours, at temperatures up to 1500°C. Orig. art. has: 5 figures and 4 tables. [06]

SUB CODE: 11, 20 09 SUBM DATE: none/ ORIG REF: 006/ OTH REF: 003

Card 2/2

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

KOZIN, G. N., inzh.; OLEYNIKOVA, L. M., inzh.

Nitrogen in oxygen-converter steel. Met. i gornorud. prom. no.1:18-22 Ja-F '63. (MIRA 16:4)

1. Krivorozhskiy metallurgicheskiy zavod imeni Lenina.

(Steel—Nitrogen content)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

OLEYNIKOVA, L.N.

Our brigade. Neftianik 8 no.1:6 Ja '63. (MIRA 16:3)

1. Starshiy operator Novokuybyshevskogo neftepererabatyvayushchego zavoda.

(Catalysts)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

OLEYNIKOVA, L. T.

USSR/Engineering
Lighting, Fluorescent
Cars, Railroad

Feb 1948

"Fluorescent Lighting in Railroad Transportation," K. P. Belov, Candidate Tech Sci; L. T. Oleynikova, Sci Colleague, 2 pp

"Tekh Zhelez Dorog" No 2

Discusses installation of fluorescent lighting in railroad cars as one method of exonomizing on electric power. Brief description of operation of gas tubes.

PA 61T41

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

FERDINAND, Ya.M. (Rostov-na-Donu); Prinimali uchastiye: MARISOVA, A.P.; BRAYNINA, R.A.; MARGULIS, L.A.; MYASNENKO, A.M.; KOVALEVSKAYA, I.L.; TELESHEVSKAYA, E.A.; SOBOLEVA, S.V.; KALININA, K.I.; KOVALEVA, N.S.; IVANOVA, M.K.; ARENDER, B.A.; KUCHERENKO, R.A.; MANATSKOVA, K.S.; OLEYNIKOVA, L.T.; KIBARDINA, Yu.A.; GRIGOR'YEVA, K.S.; SEMENIKHINA, L.G.; CHERNYKH E.I.; DOROFEYEVA, V.M.; SHEVCHENKO, Ye.N.; ABRAMOVA, O.K.; SKUL'SKAYA, S.D.; PETROVA, Z.I.; MAKHLINOVSKIY, L.I.; KUZ'MINA, A.I.; AL'TMAN, R.Sh.; MARDERER, R.G.; YENGALYCHEVSKAYA, L.N.; CHIRKOVA, M.N.; TERESHCHENKO, N.I.; SHELKOVNIKOVA, M.A.; PROKOPENKO, V.V.; BEKLEMESHEVA, Ye.A.; BARANOVA, T.V.

Effectiveness of specific prophylaxis with alcohol divaccine against typhoid and paratyphoid B fever in school-age children. Zhur. mikrobiol., epid. i immun. 41 no.1:23-27 Ja '64.

(MIRA 18:2)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

OLEYNIKOVA, M. P.

"Utilization of Fish Waste in theRaising of Calves." Cand Agr Sci, Leningrad Inst of Agriculture, Leningrad, 1953. (RZhBiol, No 4, 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: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

USSR/Farm Animals - Cattle Q

Abs Jour : Ref Zhur - Biol., No 15, 1958, 69268

Author : Oleynikova, M.P.

Inst : Scientific Research Institute of Agriculture of the Extreme North

Title : Digestibility of Nutritive Substances of Feed Rations under Conditions of Murmanskaya Oblast

Orig Pub : Byul. nauchno-tekhn. inform. N.-i. in-ta s. kh. Krayn. Severa, 1957, No 2, 18

Abstract : On the basis of the data obtained from the study of digestibility of nutritive substances of feed rations, it is pointed out that the inclusion of fish waste into feed rations of cattle contributes to the improvement of their digestibility.

Card 1/1

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

SHEYKIN, A.Ye., prof., doktor tekhn.nauk; GERSHMAN, M.I., kand.tekhn.nauk; OLEYNIKOVA, N.I., inzh.

Effect of the fineness of cement grinding on the durability of cement stone under changing reaction of aggressive waters. Trudy NIITSement no.15:39-58 '61. (MIRA 14:9)
(Cement)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

SHEYKIN, A.Ye., prof., doktor tekhn.nauk; OLEYNIKOVA, N.I., inzh.

Effect of heat and moisture treatment on sulfate-resistant cement. Bet.i zhel.-bet. 8 no.4:165-169 Ap '62. (MIRA 15:5)
(Sulfate-resistant cement)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

BANIT, F.G.; GERSHMAN, M.I.; LEONTENKOV, A.I.; OLEYNIKOVA, N.I.; PERTSIK, N.G.; PIROTSKIY, V.Z.; SLIVITSKAYA, F.R.; KHOKHLOV, V.K.; ASTANSKIY, L.Yu., nauchn. red.; TYUTYUNIK, M.S., red.izd-va; BRUSINA, L.N., tekhn. red.

[Cement industry; its present status and prospects for development] TSementnaia promyshlennost'; sostoianie i perspektivy razvitiia. [By] F.G.Banit i dr. Moskva, Gosstroiizdat, 1963. 258 p. (MIRA 16:12)

(Cement industries)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

SHEYKIN, A.Ye., prof., doktor tekhn. nauk; OLEYNIKOVA, N.I., kand. tekhn. nauk

Effect of warm moist processing and the fineness of the grinding of the cement on the structure and characteristics of the cement stone. Trudy MIIT no.191:63-84 '64. (MIRA 18:6)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

SUDAKOVA, I.M.; OLEYNIKOVA, T.K.

Resistance of some varieties of rice to the "white tip".
Trudy Gel'm. lab. 16:140-142 '65. (MIRA 19:2)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"

"APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9

GLEJNIKOVA, T.M.

FRISHMAN, M.A., professor; RABINOVICH, G.D., kandidat tekhnicheskikh nauk; GLEYNIKOVA, T.M., inzhener.

Electric insulation for reinforced concrete ties. Put' i put. khoz. no.8:19 Ag '57. (MLRA 10 9)

(Railroads--Ties)

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001238010016-9"