"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

FEDOSOV, N.M.; SHARIPOV, E.I.; KUNAKOV, Ya.N.; OREKHOVA, R.S.

Mechanical properties of iron-silicon alloys. Izv. vys. ucheb. zav.; chern. met. 6 no.11:182-185 '63. (MIRA 17:3)

1. Moskovskiy institut stali i splavov.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

KUNAKOV, Ya.N.; LIVSHITS, B.G.

Magnetic properties of transformer steel with cubic texture. Fiz.met.i metalloved. 15 no.1:55-59 Ja '63. (MIRA 16:2)

1. Moskovskiy institut stali i splavov.
(Steel—Magnetic properties)

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FEDOSOV, N.M.; SHARIPOV, E.I.; KUNAKOV, Ya.N.; LYUKEVICH, V.I.

Choosing the optimum temperature for the hot rolling of transformer steels. Vest. AN Kazakh. SSR 20 no.1:64-67 Ja '64. (MIRA 17:3)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

ACCESSION NR: AP4045064 S/0031/64/000/008/0082/0087

AUTHORS: Fedosov, N. M.; Sharipov, E. I.; Kunakov, Ya. N.

TITLE: Optimal temperature for hot rolling of high-silicon steels

SOURCE: AN KazSSR. Vestnik, no. 8, 1964, 82-87

TOPIC TAGS: high silicon steel, hot rolling, resistance furnace, plastic deformation, yield limit/ 800 rolling mill, 150 rolling mill, P4 testing machine

ABSTRACT: To determine the temperature for hot-rolling of high-silicon steels that would result in good ductility, minimal resistance to plastic deformation, and favorable grain orientation, the authors studied the relation between the properties of various steels, their silicon content, and the rolling temperature. Steels with silicon content of 3.3-6.4% were melted in both vacuum and open electric furnaces. Each ingot (cross section 90 x 90 mm, weight 24 kg) was hot-rolled in a standard industrial mill 800 to obtain strips 2.8 mm thick (from which specimens 25 mm wide and 100 mm long were obtained). These were rolled in a laboratory machine of the type 150 at a rate of 0.24 m/sec. The test specimens (3 mm in diameter and 20 mm in working length) were heated in a tubular resistance furnace and then tested until fracture in a machine of the type P-4, using a load of 4000 kg. The experiments were conducted in a temperature range of 20-600C at intervals of 100C, with 3-5

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ACCESSION NR: AP4045064

specimens tested at each temperature. It was found that the ductility of the specimen decreased with the silicon content (when the content was higher than 5% the relative elongation and the transverse contraction were close to zero). The yield limit decreased gradually with increasing temperature up to 500C and more abruptly thereafter. On the basis of data obtained in this work, the following optimal temperatures are recommended: for a silicon content of 3.5 to 4% --100 to 200C, for 4.5 to 5% --250 to 300C, and for 5.5 to 6.5% --400 to 500C. Orig. art. has: 5 figures and 1 table.

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00

SUB CODE: MM NO REF SOV: 005 OTHER: 005

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

ACC NR: AP7002846 SOURCE CODE: UR/0136/66/000/012/0087/0088

AUTHOR: Parusnikov, V.N.; Kunakov, Ya.N.; Grodskiy, E.A.

ORG: none

TITLE: Superconducting niobium microwire

SOURCE: Tsvetnyye metally, no. 12, 1966, 87-88

TOPIC TAGS: superconducting ~~material~~ alloy, niobium zirconium alloy, ~~niobium zirconium~~ titanium alloy, niobium base compound, ~~niobium microwire~~, microwire ~~fabrication~~

ABSTRACT:

Since hot drawing of niobium wire lowers its ductility, cold drawing of niobium microwire preceded by electrochemical oxidation or by coating with copper has been tested under laboratory conditions. Niobium ingots were hot forged into 18 mm bars which were forged, without reheating, in a forging machine to a diameter of 3.6 mm and then cold drawn into wire 0.3 mm in diameter with a graphite lubricant. The wire was electrolytically cleaned, vacuum annealed, and coated either with an oxide film (by anodic oxidizing) or with copper. The wire was then cold drawn to a diameter of 0.02—0.07 mm

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ACC NR: AP7002846

(copper-coated) or 0.03—0.07 mm (oxide-coated). After removal of auxiliary coatings the wire was coated with tin or aluminum by passing the wire, preheated to 750—800C, through a droplet of molten metal followed by electrolytic tinning in acid or a stannate electrolyte. Microwire 20, 50, or 70 μ in diameter was coated with a tin layer 2, 5, or 7 μ thick, respectively. Following this procedure, the laboratory produced 10,000 m of wire 20—70 μ in diameter. Cold drawing of microwire with copper or oxide coating can be used under production conditions. [ND]

SUB CODE: 13, 14/ SUBM DATE: none/ ORIG REF: 005/ OTH REF: 001
ATD PRESS: 5113

Card 2/2

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

ACC NR: AP7005141 SOURCE CODE: UR/0126/66/022/004/0640/0640

AUTHOR: Pakhomov, V. Ya.; Kunakov, Ya. N.; Kachur, Ye. V.; Layner, D. I.

ORG: Scientific Research and Design and Planning Institute of the Rare Metals Industry (Nauchno-issled. i proektnyy institut redkometallicheskoy promyshlennosti)

TITLE: The effect of microinhomogeneity on the critical points of superconducting alloys

SOURCE: Fizika metallov i metallovedeniye, v. 22, no. 4, 1966, 640

TOPIC TAGS: critical point, superconducting alloy, lattice defect, grain structure, homogenization heat treatment, cast alloy

ABSTRACT: The effect of a homogenization anneal on the critical current density of Nb-46% Ti and alloy-2 was studied. The purpose of this heat treatment was to eliminate intercrystalline liquation which exists in the as-cast alloys. It is known that the Lorentz force can cause a creep of magnetic current that may result in the loss of superconductivity. Different types of metallic defects (inhomogeneities, dislocations, internal stresses, etc.) may act as stabilizers against the creep. For the experiments, 40-gram ingots were melted in a radiant arc furnace with tungsten electrodes in a purified helium atmosphere and homogenized in a vacuum furnace at 1500°C. The homogenized ingots were cold reduced into 0.25 mm diameter samples. All samples

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ACC NR: AP7005141

had similar cold reductions. Critical current densities were measured in a transverse magnetic field of 16 kilooersted at 4.2°K. The critical current density was given as a function of ingot homogenization time which ranged from 1 to 5 hours. In both alloys, the critical current density was lowered by homogenization. The critical current density for Nb-46% Ti decreased linearly from about $1.8 \cdot 10^4$ a/cm^2 in the as-cast condition to about 10^4 a/cm^2 after 5 hours of ingot homogenization. Alloy-2 dropped sharply from $2 \cdot 10^4$ a/cm^2 to about 10^4 a/cm^2 after 1 hour of ingot homogenization, and remained constant thereafter. All of the samples had a similar dislocation density of 10^{11}-10^{12} cm^{-2}, characteristic of severely deformed metals. The microstructure of as-cast ingots showed intercrystalline liquation, which decreased as a function of homogenization time. After 5 hours at 1500°C, almost all of the liquation was absent in both alloys. Analogous results were obtained in the alloys Nb-75% Zr and 65 BNT in which the critical current density after homogenization changed from $1.3 \cdot 10^4$ and $2 \cdot 10^4$ to $7.8 \cdot 10^3$ and $1.2 \cdot 10^3$, respectively. Orig. art. has: 1 figure.

SUB CODE: 20,11/ SUBM DATE: 02Feb66/ OTH REF: 001

Card 2/2

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

ARNOL'D, N.M., inzhener; KUNAKOV, Ye.G., inzhener.

Hydromechanization on the projects of the Ministry of Construction of the U.S.S.R. Nov.tekh. i pered. op.v stroi. 18 no.7:7-10 Jl '56. (Hydraulic engineering) (Dredging) (MIRA 9:9)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

KUNAKOV, Ye.G., inzhener.

Mooring installations built with precast reinforced concrete. Nov.tekh.i pered.op.v stroi. 19 no.10:10-15 O '57. (MIRA 10:11)
(Wharves) (Precast concrete construction)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

KUNAKOVA, N.F.

Treatment of infants with tuberculous meningitis without subarachnoid use of drugs. Vop. okh. mat. i det. 6 no.10:33-37 O '61. (MIRA 14:11)

1. Iz kafedry gospital'noy pediatrii (zav. - kandidat meditsinskikh nauk V.P.Sitnikova) Voronezhskogo meditsinskogo instituta (dir. - prof. N.I.Odnoralov).

(MENINGES--TUBERCULOSIS)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

KUNAKOVA, E. I.

Kunakova, E. I. -- "The Effect of Changes in Feeding on the Utilization of Nutriments, the Growth, and the Development of Heifers." Min Higher Education USSR. Leningrad Veterinary Inst. Leningrad, 1956. (Dissertation for the Degree of Candidate in Agricultural Science)

So: Knizhnaya Letopis', No 12, 1956

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

KUNAKOVSKIKH, V. (Voronezh)

Dmitrii Grebenkin, expert in gas and smoke protection services. Pozh. delo. 9 no.9:19-20 S '63. (MIRA 16:10)

(Fire departments--Equipment and supplies)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

KUNAKOVSKIY, V.Ya.; BASKAKOV, S.T.

Selecting the best rigidity for coining presses. Kuz.shtam. proizv. 3 no.8:31-33 Ag '61. (MIRA 14:8)
(Power presses)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

KUNAKOVSKIY, V.Ya., inzh.; BASKAKOV, S.T., inzh.

Selecting an optimum rigidity of coining presses. [Nauch. trudy] ENIKMASha 6:22-32 '63.
(Power presses) (Forging) (MIRA 16:9)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

BASKAKOV, S.T., inzh.; KUNAKOVSKIY, V.Ya., inzh.

Calculating the deformations of crank-toggle presses. [Nauch. trudy] ENIKMASha 6:33-46 '63. (MIRA 16:9)
(Power presses) (Deformations (Mechanics))

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

KUNANBAYEV, A. K., A. F. Abishev, S. A. Arzymbetov, co-authors of:

Spravochnik veterinarnogo sanitara (Manual for the Veterinary Orderly), Alma-Ata, Kazgoizdat, 1951. 235 pages, illustrated. Price 8 rubles 50 kopecks. 10,000 copies. In the Kazakh language.

SOURCE: Veterinariya, No 11, pp 63-64, Nov 1951 -- New Books on Veterinary Medicine

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

KUNANBAYeV, A. K. Cand Vet Sci — (diss) "Development of a method to prepare a specific vaccine against hoof and mouth disease of pigs," Alma-Ata, 1958, 16 pp, 150 cop (Alma-Ata Zooveterinary Institute) (KL, 43-60, 119)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

KUNA, Laszlo; KUNANE GRABER, Lea

Reduction of the solubility of silicic acid solved in cellulose factory waste lye by means of the absorption of carbon dioxide. Magy kem folyoir 68 no.7:316-324 Jl '62.

1. Eotvos Lorand Tudomanyegyetem Kemiai-Technologiai Tanszeke, Budapest.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

ISAYEV, M.D., dots.; KUNANTAYEV, M., starshiy prepodavatel'

Vladimir Il'ich Lenin and Soviet public health. Zdrav.Kazakh. 17 no.4/5 '57. (MIRA 12:6)

1. Iz kafedry marksizma-leninizma Kazakhskogo gosudarstvennogo meditsinskogo instituta im. V.M.Molotova.
(LENIN, VLADIMIR IL'ICH, 1870-1924) (PUBLIC HEALTH)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

KUNANTAYEV, M.

Program for building up communism. Zdrav. Kazakh. 21 no.9:3-8 '61. (MIRA 14:10)

(COMMUNISM)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

KUNANTAYEV, M.

Realization of Leninistic national policies in the development of public health. Zdrav. Kazakh. 22 no.5:3-7 '62. (MIRA 15:6)
(PUBLIC HEALTH ADMINISTRATION)
(LENIN, VLADIMIR IL'ICH, 1870-1921)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

KUNAREV, A.A.

3(5)

PHASE I BOOK EXPLOITATION SOV/2821

Vsesoyuznyy nauchno-issledovatel'skiy institut geofizicheskikh metodov razvedki

Razvedochnaya i promyslovaya geofizika, vyp. 24 (Exploration and Industrial Geophysics, No. 24) Moscow, Gostoptekhizdat, 1958. 58 p. (Series: Obmen proizvodstvennym opytom) 4,500 copies printed.

Ed.: M.K. Polshkov; Exec. Ed.: Ye. G. Pershina; Tech. Ed.: I.G. Fedotova.

PURPOSE: This booklet is intended for geophysicists as well as engineers and technicians engaged in geophysical work.

COVERAGE: This collection of articles discusses new methods of interpreting electrical logging, gravimetric and seismic data, and describes industrial geophysical instruments (cementometer, perforator, etc.). Improvements made on older apparatus (e.g., a change in the design of a perforator for radioactive electrical logging) are also discussed. References accompany each article.

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Aksel'rod, S.M. Well Cementometer for Operation With a Single-strand Cable 37

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12-31-59

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

KUNAREVA, Z.N.

Characteristics of uterine contractions in the third stage of labor. Akush. i gin. 33 no.5:103-107 S-O '57. (MIRA 12:5)

1. Iz 1-go akusherskogo otdeleniya i laboratorii normal'noy i patologicheskoy fiziologii Instituta akusherstva i ginekologii AMN SSSR (dir. - prof. P.A.Beloshapko).
(LABOR, physiol.
uterine contraction in third stage)
(UTERUS, physiol.
contractions in third stage of labor)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

KUNASEK, Jiri

Unusual strangulation of congenital umbilical hernia. Cesk. pediat. 14 no.3:264-266 5 Mar 59.

1. Chirurgicke oddeleni OUNZ v Rychnove n. Kn., prednosta krajsky chirurg MUDr. Jaroslav Kudr.
(HERNIA, UMBILICAL, compl.
strangulation of congen. hernia (Cz))

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

CHALENKO, I.; BRESLAVETS, Ye.; KUNASHEV, M.

The wide front of mechanization. Grazhd. av. 21 no.6:25 Je '64. (MIRA 17:8)

1. Nachal'nik otdela mekhanizatsii Krasnodarskogo krayevogo upravleniya proizvodstva i zagotovok sel'skokhozyaystvennykh produktov (for Chalenko). 2. Starshiy inzh. ob"yedineniya "Sel'khoztekhnika", Krasnodar (for Breslavets). 3. Starshiy inzh. Krasnodarskogo podrazdeleniya aviatsii spetsial'nogo primeneniya (for Kunashev).

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

KUNASHEV, M.; GORTLEVSKIY, A., dotsent, kand. sel'skokhoz. nauk

Horizons of science. Grazhd. av. 22 no.7:20-21 Jl '65. (MIRA 18:7)

1. Ispolnyayushchiy obyazannosti nachal'nika Vsesoyuznogo neuchno-issledovatel'skogo instituta sel'skokhozyaystvennogo i spetsial'nogo primeneniya grazhdanskoy aviatsii (for Kunashev).

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KUNASHEV, M.N.

Helicopters over the vineyards of the Kuban. Zashch.rast.ot vred.i bol. 5 no.2:5-6 F '60. (MIRA 15:12)

1. Starshiy inzh. Grazhdanskogo vozdushnogo flota.
(Kuban--Grapes--Diseases and pests)
(Kuban--Aeronautics in agriculture)

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1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

PROCESSES AND PROPERTIES INDEX

11

Carbon content in the bodies of certain species of Acridiidae. K. G. KUNASHEVA. *Trav. lab. biogéochim. acad. sci. U. R. S. S.* 2, 27-30(1932)—*Chorthippus longicornis, Calliptamus italicus, Bryodema tuberculata tuberculata, Dociostaurus crucigerus brevicollis* and *Mecostethus grossus* were examd. In living material the C content varied from 14.09% to 15.67% for the males and from 15.47% to 16.92% for the females. In dried material C was 10.32-15.22% for the males and 12.27-15.42% for the females. In general the loss of C due to drying in the male insects was less than that in the females. C detns. were made also of *Chorthippus parallelus parallelus* and *Chorthippus albo marginatus* during 4 different stages in the development. The amt. of C depended upon the stage as well as upon the sex of the insect. S. S. IVANOFF

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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Ca

11C

The radium content of plants and waters. B. K. Brunovskii and K. G. Kunasheva.—*Trav. lab. biogeochim. acad. sci. U. S. S. R.* 3, 31-41(1935)(in German); cf. *C. A.* 27, 2473.—Ra was detd. again in *Lemna minor*, *L. polyrrhiza* and *L. trisulca* but over a greater time interval and doubt was cast on the previous generalization that the Ra max. was reached in all plants in the spring, as the Ra content of *L. minor* decreased steadily during June, July and August while the other two showed a max. Ra content in July. The seasonal variation of the Ra content of the reservoir water previously reported was confirmed. Ra content of 15 other plants varied from 0.89 to 20.5 × 10^{-10}%; all those not considered questionable were below 5 × 10^{-10}%. Plankton contained about 10 times as much Ra as the sea water from which they were obtained. The Ra content of water varies with depth. Yeast had a Ra content of 5 × 10^{-10}%, of the same order as that of the plankton.

Oden E. Sheppard

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3

The influence of soil sand on the determination of radium in plants. K. G. Kunashova and B. K. Brunovskii. *Trav. lab. biogeochim. acad. sci. U. R. S. S.* 3, 45-8 (1936); cf. *C. A.* 25, 4911; 28, 2033.—Since fine sand may contain a considerable amt. of Ra, further studies were carried out to det. whether the imperfect removal of sand from plants may lead to too high values for Ra contents. Conclusions: The anomalously high Ra content of *Strathiopterus germanica* is not dependent on the presence of a large amt. of sand. The sand contents of plants have no significant influence on the values for the Ra contents of the plants.

A. S. Schwartzman

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PROCESSES AND PROPERTIES INDEX

3

Investigation of water lentils and pond waters as to their content of radioactive elements of the thorium series. B. K. Brunovskii and K. G. Kunasheva. *Akad. V. I. Vernadskomu k Pyatidesyatiletiyu Nauch. Deyatelnosti* 1, 191-202(1936); *Chem. Zentr.* 1938, I, 1550.—Investigations carried out at various seasons of the year are reported.

In spite of the demonstrated Th content of the pond water, no Th could be detected in the water lentils. It is shown that the Rd-Th present in the water lentils is produced only from meso-Th I and penetrates the tissue of the plant only as a recoil atom, so that it is therefore very difficult to remove

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PROCESSES AND PROPERTIES INDEX

CA

3

A new method for measuring radioactivity of plant and animal ash by α-rays. K. G. Kunashova. *Trav. lab. biogéochim. acad. sci. U. R. S. S.* 5, 187-96(1939).—The finely powd. sample is mixed with a soln. of 2 g. of gelatin in water (amt. not given). The mass is brushed over the surface of a pasteboard cylinder, the brush is rinsed and the rinsings are poured over the cylinder. After the gelatin hardens the cylinder is placed in the cylindrical ionization chamber (I) of a set-up consisting of a single-strand electrometer on top of which is mounted the I, measuring 10 × 28 cm. The I is given a current of 170 v., the electrometer 112 v. Its sensitivity is 50 scale divisions per v. Natural scattering in the presence of pasteboard is 0.0-0.05 v./hr. The spreading of the sample, as described, increases the effect tenfold and keeps the ionization value const. within 3% from day to day. The thin layers gave direct proportionality between the effect and the wt. of the substance. Tests with $PbCrO_4$ treated with U, Ra and Th showed that measurements with α-rays are as sensitive as those of the emanation method. Data obtained in graduating the app. for quant. measurements indicate a limit for U of about 0.00001 g.

T. Laanes

ASM SLA METALLURGICAL LITERATURE CLASSIFICATION

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CA

11D

Distribution of radium and uranium in plants raised on media with different concentrations of these elements. K. G. Kunashevn. *Trav. lab. biogeochim. acad. sci. U. R. S. S.* 5, 197-200(1939). Peas (*Pisum sativum*) were raised on Helriegel's soln. with an addn. of solns. contg. 1.45×10^{-11} – 1.45×10^{-9} g. of Ra (as $RaCl_2$), repeatedly checked by the emanation method. To another series were added solns. contg. 4.73×10^{-6} – 4.73×10^{-3} g. of U (as uranic nitrate). Detns. were made by the method described in *C. A.* 34, 3082[7]. Ra penetrates into all parts of the plant in a concn. proportional to the concn. of Ra in the nutrient medium. U could not be found in the green parts. Plants grown in weak U solns. had taken up the U almost quantitatively in the roots. In those grown in solns. contg. 100 times more U the amt. in the roots had only tripled. T. L.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

Application of radio-chemical analysis for the correlation of geological strata. V. I. Baranov, R. G. Kuznetsova, and S. G. Zeitlin (*Bull. Acad. Sci. U.R.S.S., Cl. Sci. Chim.*, 1943, 178—190).—Cores from test oil borings in the Kazan area were examined. The cores were from the lower Permian and upper Carboniferous strata. The average concn. of Ra in the cores was $5{\cdot}38 \times 10^{-10}$% and of Th $1{\cdot}09 \times 10^{-4}$%. Well waters examined had [Ra] of the same order. V. H.

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PROCESSES AND PROPERTIES INDEX

3

Radium content in plant and animal organisms. K. G. Kunasheva. *Trav. lab. biogéochim. acad. sci. U.R.S.S.* 7, 98-105(1944); cf. *C.A.* 29, 4408[8].—Of over 100 species investigated, all contained Ra. The aquatic plants contained more Ra than the water in which they grew (cf. V. I. Vernadskii, *C.A.* 25, 315[8]). In the terrestrial plants tests showed Ra accumulation in the process of growth. Distribution of Ra in the biosphere is (in percentage): Acid rocks 10^{-9}-10^{-10}, basic rocks 10^{-10}, silts 10^{-9}-10^{-11}, soils 10^{-10}-10^{-11}, plants 10^{-11}, animals 10^{-11}, river and sea waters 10^{-11}-10^{-14}. Cf. A. P. Vinogradov, *C.A.* 39, 258[8], 3846[9].

Valery A. Streltzov

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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PROCESSES AND PROPERTIES INDEX

3

Radium and thorium contents in the silt of the Barents Sea. K. G. Kunashova. *Trav. lab. biogéochim. acad. sci. U.R.S.S.* 7, 106-8(1944); cf. Vinogradov, *C.A.* 39, 258[9].—The Ra and Th contents of 15 samples of silt were detd. by the emanation method. The samples were taken from the bottom of the sea approx. along the 32nd meridian at various distances from the shore. According to tabulated data the Ra content varied from 4.0×10^{-11} to 9.9×10^{-11}%; Th content was from 4.8×10^{-4} to 8.8×10^{-4}%. Valery A. Streltzov

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

KUNASHEVA, K.G.

Distribution of radium in various parts of plants grown in a medium with different concentrations of radium. Trudy Biogeokhim. Lab., Akad. Nauk S.S.S.R. No.9, 157-9 '49. (MLRA 6:5)
(CA 47 no.15:7603 '53)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

КУНАШОВА, К. Г.

USSR/ Cosmochemistry. Geochemistry. Hydrochemistry D.

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 11503

Author : Baranov V.I., Ronov A.B., Kunashova K.G.
Title : On Geochemistry of Dispersed Thorium and Uranium in Clays and Carbonate Rocks of Russian Platform

Orig Pub : Geokhimiya, 1956, No 3, 3-8

Abstract : In sedimentation processes U migrates to a considerable extent in the form of soluble compounds, whereas Th -- in clastic and colloidal form. Magnitude of Th : U ratio is twice as large in clays as in carbonate rocks, and in the latter Th is contained in the insoluble portion. Clays of the Russian Platform contain on the average 1.1 . 10^{-3}% Th and 4.1 . 10^{-4}% U; carbonate rocks 2.4 . 10^{-4}% Th and 2.1 . 10^{-4}% U. Maximum content of Th is noted in rocks formed during periods of most intensive erosion of crystalline rocks or shell of weathering. Content of U in rocks of different composition and geological age vares to a considerably lesser extent than that of Th. A certain enrichment in U is observed in rocks having an increased content of organic substances.

1/1

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

3(5), 5(4) SOV/7-59-6-7/17

AUTHORS: Baranov, V. I., Morozova, N. G., Kunasheva, K. G., Babicheva, Ye. V., Karasev, B. V.

TITLE: On the Radiometric Method of Prospecting for Natural Gas and Petroleum Deposits

PERIODICAL: Geokhimiya, 1959, Nr 6, pp 530 - 537 (USSR)

ABSTRACT: In the course of the research work of the Institut nefti AN SSSR (Institute of Petroleum of the AS USSR) under the direction of Professor F. A. Alekseyev negative gamma anomalies were found to exist in petroleum- and natural gas deposits of the USSR (Refs 5 - 9). The Institut geokhimii i analiticheskoy khimii im. V. I. Vernadskogo (Institute of Geochemistry and Analytical Chemistry imeni V. I. Vernadskiy) instructed a group of scientists under the direction of N. G. Morozova to find the reasons for this phenomenon; the scientists assisted in the prospecting work of the Laboratory of F. A. Alekseyev. The Laboratory placed the gamma pictures taken from airplane and motorcar at the disposal of the scientists. B. V. Karasev, Ye. V. Babicheva, and A. M. Dorina made the chemical analysis of the samples collected, and K. G. Kunasheva and A. P. Novitskaya the radiochemical determinations. The deposits of Kizyl-Kum and Gekcha

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On the Radiometric Method of Prospecting for Natural Gas and Petroleum Deposits SOV/7-59-6-7/17

in western Turkmeniya were investigated. The portion of gamma-radiative elements was determined with respect to total gamma radiation (Table 1) and graphically represented in figures 1 - 4. Beside, the radioactivity of gases was investigated in the Korobki and Archeda deposits (Table 2). It was found that the gamma-anomalies are in perfect accordance with the distribution of the gamma-radiative elements U, Ra, Th, and K in the upper layer of soil (25 cm deep). Radium was not found to play a special part as assumed by some authors. The portion of gamma-radiation of the emanation contained in gases is only a minimum (2 % approximately) of the radiation of the elements mentioned before. The change of gamma-activity is, therefore, due to lithological or structure-morphological characteristics of the petroleum-containing regions. Papers by L. N. Bogoyavlenskiy and V. L. Shashkin are mentioned. There are 4 figures, 2 tables, and 12 references, 7 of which are Soviet.

ASSOCIATION: Institut geokhimii i analiticheskoy khimii im. V. I. Vernadskogo AN SSSR, Moskva (Institute of Geochemistry and Analytical Chemistry imeni V. I. Vernadskiy of the AS USSR, Moscow)

SUBMITTED: April 2, 1959

Card 2/2

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

BARANOV, V.I.; MOROZOVA, N.G.; KUNASHEVA, K.G.; GRIGOR'YEV, G.I.

Geochemistry of some natural radioactive elements in soils. Pochvovedenie no.8:11-20 Ag '63. (MIRA 16:9)

1. Institut geokhimii i analiticheskoy khimii imeni Vernadskogo.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

KUNASHEVA, Ye.G.

Change in the excitability of the cortical nerve centers in children in various emotions. Zhur. vys. nerv. deiat. 10 no.2:204-206 Mr-Ap '60. (MIRA 14:5)

1. Clinic of Children's Diseases, Naval Medical Academy, Leningrad.
(CEREBRAL CORTEX) (EMOTIONS)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

KUNASHKEVICH, V., inzh.

KUNASHKEVICH, V., inzh.

Manufacture of wall blocks using vibration milling; from the practice of White Russian enterprises. Stroi.mat. 3 no.7:10-12 Jl '57. (MIRA 10:10)

(White Russia--Building blocks)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

Unit for extracting cores from large silicate blocks. Stroi. mat. 4:34 Ap '57. (MLRA 10:6)

1. Nachal'nik tekhnicheskogo otdela Ministerstva promyshlennosti stroitel'nykh materialov Belorusskoy SSR.
(Building blocks)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

KUNASHKEVICH, V. (Minsk)

Scientific session of the Institute of Building Materials of the White Russian Economic Council. Stori. mat. 4 no.4:38 Ap '58. (MIRA 11:5)

(White Russia--Binding materials)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

KUNASHKEVICH, V., inzh.

Using clayey rocks in making "agloporit" in periodic kilns.
Stroi. mat. 4 no. 7:25-26 Jl '58. (MIRA 11:7)
(Minsk--Building materials)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

KUNASHKEVICH, V.I., inzh.

Making reinforced gypsum-concrete rolled panels. Stroi.mat. 5 no.3:28-30 Mr '59. (MIRA 12:5)

(Concrete slabs)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

KUNASHKEVICH, V.I., inzh.

Mechanized unloading of bricks. Stroi. mat. 5 no.6:31 Je '59.
(MIRA 12:8)
(Loading and unloading) (Bricks--Transportation)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

KUNASHKEVICH, V.I., inzh.

First production line in the production of mineral slabs from phenol resins. Stroi. mat. 7 no.3:1-5 Mr '61. (MIRA 14:4)
(Phenols) (Building materials)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

KUNASHKEVICH, V.I., inzh.

Experience with the manufacture and use of agloporite in the White Russian S.S.R. Stroi.mat 8 no.10:3-6 O '62. (MIRA 15:11)

(White Russia--Aggregates (Building materials)
(Lightweight concrete)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

DOROFEYEV, Aleksey Fedorovich; KUNASHKEVICH, Vladimir Il'ich; TERESHCHENKO, V., red.

[Manufacturing large sand-lime blocks with unslaked lime; practices of the Minsk Plant for Large Building Elements] Proizvodstvo krupnykh silikatnykh blokov na negashen i izvesti; iz opyta raboty Minskogo kombinata krupnoblochnykh stro. el'nykh konstruktsii. Minsk, Gos.izd-vo BSSR, 1961. 89 p. (MIRA 17:6)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

RAKOVSKIY, V.Ye.; PETROV, L.K.; GUREYKO, V.S.; GALENCHIK, I.Z.; POZNYAK, V.S.; KUNASHKEVICH, V.M.; BELYAY, K.L., red.; KORENEVICH, N.P., red.; VERZAL, A.I., red.; KOROBEYNIKOV, Yu.Ye., red.

[Technological arrangement for the production of mineral wool sheets with sapropel binding material] Razrabotka tekhnologii proizvodstva plit iz mineral'noi vaty s sapropelevoi sviazkoi. Minsk, Izd-vo "Zviazda," 1958. 14 p. (MIRA 12:2)
(Mineral wool) (Sapropels)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

YERMAKOV, Serafim Fedorovich; KUZ'MIN, N.I., retsenzent; KUNASHOV, A.S., retsenzent; BAYTIN, A.Ya., dotsent, kandidat tekhnicheskikh nauk, redaktor; EBERLIN, K.Z., redaktor izdatel'stva; BEGICHEVA, M.N., tekhnicheskiy redaktor

[Work organization and technical norms in ship-repairing enterprises] Organizatsiia truda i tekhnicheskoe normirovanie na sudoremontnykh predpriiatiiakh. Pod obshchei red. A.IA. Baitina. Moskva, Izd-vo "Rechnoi transport," 1956. 273 p. (MLRA 10:1)
(Ships--Maintenance and repair)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

KUNASHOV, V.F.

Improving the quality of the processing of pig skins. Kozh.-obuv. prom. 4 no.12:25-27 D '62. (MIRA 16:1)
(Kursk—Leather industry)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

KUNASHOV, V.F.

New developments in leather technology. Kozh.-obuv. prom. 5 no.6:36-37 Je '63. (MIRA 16:6)

1. Direktor Kurskogo kozhevennogo zavoda imeni Seregina. (Leather)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

KUNASOV, V.F.

Theory of bounded crystals of the NaCl type [with summary in English]. Zhur. fiz. khim. 31 no.11:2469-2476 N '57. (MIRA 11:3)

1.Sibirskiy fiziko-tekhnicheskiy institut, Tomsk.
(Crystallochemistry) (Salt crystals)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

KONASZIEWICZ, Monika; JOZEFOWICZ, Edward

Kinetics of the reaction between iodine and formates in homogenous and two-phase liquid systems. Pt.1. Chemia Lodz no.14:11-21. '62.

1. Department of Inorganic Chemistry, Technical University, Lodz.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

GAMS, Ivan, dr.; KUNAVER, Jurij; NOVAK, Dusan, geol.; JENKO, Franc; SAVNIK, Roman

Karst terminology. Geogr vest 34:115-137 '62.[publ.'63].

1. Clan Uredniskega odbora, "Geografski vestnik" (for Gams).

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

KUNAVER, Jurij

The high-mountain Karst in the eastern part of the Julian Alps and in the Kamin Alps. Geogr vest 33:95-135 '61.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

KUNAVER, Juraj

International Speleological Conference in Brno, June 29-July 4, 1964. Geogr vest 36:108-110 '64 [publ. '65].

On the eve of the Fourth International Speleological Congress in Yugoslavia, 1965. Ibid.:128-129

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

KUNAVER, M.

"Program of development of telecommunication devices in electric power networks," Elektrotechniski Vestnik, Ljubljana, Vol 2, No 5/6, 1954, p. 162.

SO: Eastern European Accessions List, Vol 3, No 11, Nov 1954, L.C.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

KUNAVER, M.

"Propagation of High-Frequency Currents over High-Voltage Transmission Lines." Porocila. Vol. 22, no. 3/4, 1954. Ljubljana.

SO: East European Accessions List, Vol. 3, No. 9, September 1954, Lib. of Congress

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

S/035/62/000/007/040/083
A001/A101

AUTHOR: Kunaver, P.

TITLE: Report of a student group, headed by Professor Kunaver, on observations of a solar eclipse on the Brač island

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 7, 1962, 66, abstract 7A456 ("Proteus", 1960 - 1961, v. 23, no. 9 - 10, 239 - 242, Slovenian)

TEXT: A group of students from Lyublyany (Yugoslavia) conducted visual observations of the corona and prominences during the total solar eclipse of February 15, 1961. Coronal rays were traced up to 6 R⊙. Observed were also shadow bands, and meteorological and general observations were carried out.

V. B.

[Abstracter's note: Complete translation]

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

PODKOVYRIN, A. I., KUNAVIN, N. V., SMIRNOV, I. D.,

Tin Mines and Mining

Work experience of Ya. N. Kharlashin's brigade. Gor. zhur. no. 3, 1952.

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

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

KUNAYEV, A. M., Candidate Tech Sci (diss) -- "The problem of extracting vanadium and manganese from iron-phosphorus ores of Kustanay Oblast". Alma-Ata, 1959. 19 pp (Inst of Metallurgy and Ore Dressing of the Acad Sci Kazakh SSR), 150 copies (KL, No 24, 1959, 138)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

18(5) SOV/31-59-2-8/17

AUTHOR: Kunayev, A.

TITLE: The Problem of Extracting Vanadium and Manganese From Kustanay Ferrophosphorus Ore (K voprosu izvlecheniya vanadiya i margantsa iz kustanayskikh zhelezofosforistykh rud)

PERIODICAL: Vestnik Akademii nauk Kazakhskoy SSR, 1959, Nr 2, pp 71 - 85 (USSR)

ABSTRACT: This article, written under the supervision of Candidate of Technical Sciences G.I. Lyudogovskiy, deals with the technological aspects of a procedure developed under laboratory conditions. In addition to iron this procedure aims at using the phosphorus (0.3-0.7%), vanadium (0.07-0.09%) and manganese (0.2-1.3%) components of ore in the Lisakovskoye and Ayatskoye deposits of the Kustanay Oblast in Kazakhstan. The procedure can be summarized as follows: the ore is concentrated (magnetic roasting method) and sintered, before it is sent to the

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SOV/31-59-2-8/17

The Problem of Extracting Vanadium and Manganese From Kustanay Ferrophosphorus Ore

blast furnace. Thomas processing, subsequent to blast furnace smelting, results in the production of Thomas slag, steel and an initial vanadium slag which is the primary material for extracting phosphorus, vanadium, and manganese. This slag is subjected to a reducing smelting process, by which pig iron with high manganese (16-25%) and vanadium (2-3%) content is produced. The phosphorus content amounts to 9-10%. Thomas processing of the pig iron results in the production of ferrophosphorus (10-12% P) and a new slag, which contains 8-10% vanadium and 50-55% manganese. Roasting of the slag leads to production of vanadium pentoxide and of residues with a high manganese oxide content (80%). Blast furnace smelting of the latter finally yields 80% ferromanganese. In addition, the phosphorus content of the pig iron produced from the ore is comparatively low and has to be increased preferably by the addition of phosphorite (Thomas slag is needed as fertilizer). During the first Thomas processing, full oxidation of vanadium can

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SOV/31-59-2-8/17

The Problem of Extracting Vanadium and Manganese From Kustanay Ferrophosphorus Ore

be obtained by reducing the manganese content of the pig iron to 0.3%. A similar procedure is recommended during the Thomas processing of pig iron produced from the initial vanadium slag. Slag formed during this processing period contains up to 60-70% manganese oxide and only 8-16% ferrous oxide. As a result of the chemical processing of the slag 97 and 85% of the vanadium and phosphorus contained in the slag were dissolved. The investigations carried out by the author have established, that from 1,000 tons of pig iron obtained from ore in the Ayatskoye deposits - the ore of the Lisakovskoye deposits is poorer in manganese - not only steel and Thomas slag, but also 1.7 ton of 40% ferrovanadium and 10 tons of 80% ferromanganese can be produced. There are 7 diagrams and 6 references, 5 of which are Soviet and 1 German.

Card 3/3

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

LAPIN, V.V.; KUNAYEV, A.; KURTSEVA, N.

Mineral composition of converter slags with high manganese and vanadium contents. Vest. AN Kazakh. SSR 15 no.4:73-77 Ap '59. (MIRA 12:7)

(Slag) (Manganese oxide) (Vanadium oxide)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

PLEKHANOV, L.G.; KUNAYEV, A.M.

Laboratory equipment to obtain an asymmetrical alternating current. Trudy Inst. met. i obogashch. AN Kazakh. SSR 4:91-94 '62. (MIRA 15:8)

(Electrochemistry, Industrial—Equipment and supplies)
(Electric currents, Alternating)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

KUNAYEV, A.M.; VOLEYNIK, V.V.

Prospects for obtaining vanadium and its alloys from Kazakhstan ores. Trudy Inst. met. i obog. AN Kazakh. SSR 5:3-11 '62. (MIRA 15:11)

(Kazakhstan--Minerals)
(Vanadium)

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

S/031/62/000/012/001/002
B142/B186

AUTHORS: Voleynik, V. V., Kunayev, A. M., Candidate of Technical Sciences

TITLE: The equilibrium potentials of vanadium in chloride melts

PERIODICAL: Akademiya nauk Kazakhskoy SSR. Vestnik, no. 12 (213), 1962, 28-33

TEXT: For the electrolytic purification of raw vanadium it is important to know its equilibrium potentials in order to determine optimum processing conditions. The investigations were carried out in a eutectic melt of LiCl and KCl. A V-electrode (highly purified vanadium) was dipped as anode in this melt to form VCl_2. To prevent oxidation of the vanadium, the space over the melt was evacuated to 1-2 mm Hg and filled with argon (at 3-5 mm Hg excess pressure) after the gases dissolved in the melt had escaped. The equilibrium potentials were measured with respect to a lead reference electrode containing LiCl and KCl with a 8.05% $PbCl_2$ solution. The results were converted for a chlorine electrode.

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The exact V concentrations were determined by weighing the V-electrode after the experiment. They were 1.19, 3.48, 9.1, and 11.2% by weight of VCl_2. The temperature range was 570-810°C. Isotherms which formed straight lines with a slope of 2.3 RT/2F showed that bivalent V ions existed in the melt. Results: (1) Change of free energy for the formation of $VCl_{2\ liqu}$ from the elements as a function of temperature: $\Delta F_1^o = 101100 + 25.3\ T$ cal/mole; (2) heat of fusion 8.8 cal/mole; (3) change of entropy in melting VCl_2 5.4 cal/mole; (4) temperature of the VCl_2 melt 1400°C (1350°C found by P. Ehrlich and H. I. Seifert, Z. anorgan. und allgem. Chem. 1953, 301, nos. 5-6, 282-287). Diffusion potentials were neglected in the calculations, since the salts determining the potentials (VCl_2 and $PbCl_2$) were strongly diluted by electrochemically indifferent salts. There are 3 figures. The English-language reference is: D. H. Ir. Baker, and I. D. I. Ramsdell, Electrochem. Soc., v. 108, 12, 1960, 985.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

VOLEYNIK, V.V.; KUNAYEV, A.M.

Cathodic processes during the deposition of vanadium from molten chlorides. Izv.AN Kazakh. SSR. Ser.tekh.n. no.1:56-62 '63. (MIRA 17:3)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

ACCESSION NR: AP3005599 S/0031/63/000/007/0041/0048

AUTHORS: Voleynik, V. V.; Kunayev, A. M.

TITLE: Anode polarization of vanadium in fused salts

SOURCE: AN KazSSR. Vestnik, no. 7, 1963, 41-48

TOPIC TAGS: vanadium electrode, current density, anode, electronegative mixture, cathode, lithium chloride melt

ABSTRACT: The dependence of vanadium electrode potential on current density has been investigated under various conditions. These include pure fused chlorides of lithium, calcium, and 10% additions of NaF. Vanadium was used as the anode containing no electronegative mixtures and a molybdenum wire as the cathode. Current densities ranged from 5×10^{-4} to 5 amp/cm^2 at melt temperatures 500 and 700C. It was found that below current densities of 10^{-3} amp/cm^2 the potential changed very little. In the interval 10^{-3} - 0.2 amp/cm^2 the potential increased linearly with the current density according to the law

$$E = \text{const} + \frac{2.3\,RT}{2F} \lg i. \quad (1)$$

Increasing the current further caused a very sharp increase in the potential.

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ACCESSION NR: AP3005599

Adding 10% NaF to an equimolar mixture of NaCl-KCl had the effect of shifting the potential towards the negative as compared to the lithium chloride melt. Orig. art. has: 7 formulas and 4 figures.

ASSOCIATION: none

SUBMITTED: 00 DATE ACQ: 06Sep63 ENCL: 00

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

Card 2/2

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

KOLOBOV, G.A.; [illegible], A.N.

Investigating cathodic polarization during the electrolysis of aqueous solutions of vanadium and iron. Trudy inst. met. i obog. AN Kazakh. SSR 8:77-83 '63 (MIRA 17:8)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

KUNAYEV, A.M.; KOLOBOV, G.A.

Cathodic polarization in the electrolysis of zinc and vanadium chloride solutions. Trudy Inst.met.i obog. AN Kazakh.SSR 11:119-124 '64. (MIRA 18:4)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8"

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KUNAYEV, A.M.; FERT, M.I.

Cathodic polarization during the electrolysis of sulfuric acid solutions of vanadium and zinc. Trudy Inst. met. i obog. AN Kazakh. SSR 14:53-67 '65.

Investigating cathodic polarization during the electrolysis of alkaline solutions of vanadium and zinc. Ibid.:58-61 (MIRA 18:10)

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KAZANETS, I.; KUNAYEV, D.; SHUMAUSKAS, M. [Sumauskas, M.]; KOCHINYAN, A.; SADYKHOV, R.; RUBIN, V.; KURBANOV, R.

The entire country participates in foreign trade. Vnesh. torg. 43 no.1:6-12 '64. (MIRA 17:3)

1. Predsedatel' Soveta Ministrov UkrSSR (for Kazanets). 2. Predsedatel' Soveta Ministrov KazSSR (for Kunayev). 3. Predsedatel' Soveta Ministrov Litovskoy SSR (for Shumauskas). 4. Predsedatel' Soveta Ministrov ArmSSR (for Kochinyan). 5. Zamestitel' Predsedatelya Soveta Ministrov AzerSSR (for Sadykhov). 6. Predsedatel' Soveta Ministrov Latviyskoy SSR (for Rubin). 7. Predsedatel' Soveta Ministrov Uzbekskoy SSR (for Kurbanov).

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Kunayev, D. "The socialist industrialization of Kazakhstan", Bol'shevik Kazakhstana, 1949, No. 2, s. 12-19.

So: U-3261, 10 April 53, (Letopis 'Zhurnal 'nykh Statey, No. 12, 1949).

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KUNAYEV, D. A.

Kunayev, D. "Toward the general development of the production of construction materials", Bol'shevik Kazakhstana, 1949, No. 5, p. 39-44.

SO: U-4630, 16 Sept. 53, (Letopis 'Zhurnal ' nykh Statey, No. 23, 1949).

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1. KUNAYEV, ACAD. D. A.

2. USSR (600)

4. Copper - Metallurgy

7. In sunny Kazakhstan, Tekh.molod. no. 4, 1953.

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KUNAYEV, D.A.

For the future development of science in Kazakhstan. Vest.AN Kazakh SSR 10 no.2:9-16 F '53. (MLRA 7:4)

1. Prezident Akademii nauk Kazakhskoy SSR.
(Kazakhstan--Science) (Science--Kazakhstan)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8"

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

KUNAYEV, D. A., President of the Academy of Sciences, Kazakh SSR

mentioned in

"The Flourishing of Science in Kazakhstan,"/ Kazakhstanskaya Pravda, 24 Jun 53 as appearing in Bloknot Agitators, No. 12.

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"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520008-8

KUNAYEV, D. A.

USSR/Scientists - Metallurgy

Card : 1/1 Pub. 123 - 4/19

Authors : Kunaev, D. A., Pres. of the Acad. of Sc. Kaz. SSR

Title : Academician Ivan Pavlovich Bardin

Periodical : Vest. AN Kaz. SSR 12, 24 - 26, December 1953

Abstract : Eulogy on the 70-th birthday of Academician Ivan Pavlovich Bardin, Soviet scientist-metallurgist.

Institution : Acad. of Sc. Kaz. SSR

Submitted : ...

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KUNAYEV, D.A.; SOKOL'SKIY, D.V.

Resolution of the Presidium of the Academy of Sciences of the Kazakh S.S.R. concerning the 200th anniversary of the reunification of the Ukraine with Russia. Vest.AN Kazakh. SSSR 11 no.1:22-24 Ja '54. (MLRA 7:2)

1. Prezident Akademii nauk Kazakhskoy SSR (for Kunayev).
2. Glavnyy uchenyy sekretar' Prezidiuma Akademii nauk Kazakhskoy SSR, deystvitel'nyy chlen Akademii nauk Kazakhskoy SSR (for Sokol'skiy).
(Academy of Sciences of the Kazakh S.S.R.)

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KUNAYEV, Dinmukhamed Akhmetovich; MALINOVSKIY, A.V., spets. redaktor; TYUSHINA, L.V., redaktor; KALISTRATOVA, A.Ye., tekhnicheskiy redaktor

[30 days in the people's China; travel notes] 30 dnei v narodnom Kitae; putevye zametki. Alma-Ata, Kazakhskoe gos. izd-vo, 1955. 156 p. (MIRA 9:12)

1. Deystvitel'nyy chlen Akademii nauk Kazakhskoy SSR (for Kunayev)
(China--Description and travel)

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KUNAYEV, D.A.

On the scientific activity of the Academy of Sciences of the Kazakh S.S.R. Vest.AN Kazakh. SSR 11 no.4:3-13 Ap '55. (MIRA 8:8)

1. President Akademii nauk KazSSR. (Academy of Sciences of the Kazakh SSR)

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KUNAYEV, D.A.

Results of the scientific activity of the Academy of Sciences of the Kazakh S.S.R. during 1953 and tasks for 1954. Vest.AN Kazakh. SSR 11 no.5:3-13 My '54. (MLRA 7:7)
(Academy of Sciences of the Kazakh S.S.R.)

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KUNAYEV, D.A.

BAYKONUROV, O.A.; BELYAYEV, A.I.; BOGOMOLOV, V.I.; VANYUKOV, V.A.; GAZARYAN, L.M.; GLEK, T.P.; GORYAYEV, M.I.; KARCHEVSKIY, V.A.; KLUSHIN, D.N., KUNAYEV, D.A.; LEBEDEV, B.N.; LISOVSKIY, D.I.; LOSKUTOV, F.M.; MITROFANOV, S.I.; MOLCHANOV, A.A.; MOSKVITIN, I.N.; OL'KHOV, N.P.; OSIPOVA, T.B.; PLAKSIN, I.N.; PONOMAREV, V.D.; RUMYANTSEV, M.V.; SOKOL'SKIY, D.V.; SOKOLOV, M.A.; SPASSKIY, A.G.; STRIGIN, I.A.; SUSHKOV, K.V.; SHAKHNAZAROV, A.K.; YASYUKEVICH, S.M.

Khosrov Kurginovich Avetisian, obituary. TSvet.met.27 no.3:66-68 My-Je '54. (MIRA 10:10)
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[Kazakh S.S.R.; a concise account of its history and economy] Kazakhskaia SSR; kratkii istoriko-ekonomicheskii ocherk. Moskva, Gos. izd-vo polit. lit-ry, 1958. 162 p. (MIRA 12:2)

1. Predsedatel' Soveta Ministrov Kazakhskoy S.S.R. (for Kunayev).
(Kazakhstan--Economic conditions)

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AVROV, P.Ya.; AYTALIYEV, Zh. A.; AUEZOV, M.O.; AKHMEDSAFIN, U.M.; BATISHCHEV-TARASOV, S.D.; BAZANOVA, N.U.; BAISHEV, S.B.; BAYKONUROV, A.B.; BEKTUROV, A.B.; BOGATYREV, A.S.; BOK, I.T.; BORUKAYEV, R.A.; BUBLICHENKO, N.L.; BYKOVA, M.S.; ZHILINSKIY, G.B.; ZYKOV, D.A.; IVANKIN, P.F.; KAZANLI, D.N.; KAYUPOV, A.K.; KENESBAYEV, S.K.; KOLOTILIN, N.F.; KUNAYEV, D.A.; KUSHEV, G.L.; L[illegible], [illegible].V.; MASHANOV, O.Zh.; MEDOV[illegible], G.TS.; MONICH, V.K.; MUKANOV, S.; MUSREPOV, G.; MUKHAMEDZHANOV, S.M.; PARSHIN, A.V.; POKROVSKIY, S.N.; POLOSUKHIN, A.P.; RUSAKOV, M.P.; SERGIYEV, N.G.; SEYFULLIN, S.Sh.; TAZHIBAYEV, P.T.; FESENKOV, V.G.; SHLYGIN, Ye.D.; SHCHERBA, G.N.; CHOKIN, Sh.Ch.; CHOLPANKULOV, T.Ch.

Sixtieth birthday of Academician Kanysh Imantaevich Satpaev. Vest. AN Kazakh. SSR 15 no.4:58-61 Ap '59. (MIRA 12:7)
(Satpaev, Kanysh Imantaevich, 1899-)

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KUNAYEV, D.A.

Fortieth anniversary of the Kazakh S.S.R. TSvet. met 33 no.9:1-7 S '60. (MIRA 13:10)

(Kazakhstan--Nonferrous metal industries)

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KUNAYEV, Dzhavdat Sabirovich, kand.geologo-mineralogicheskikh nauk; IL'YASHENKO, Yu.Ye., red.; TURUBAYEV, B., tekhn.red.

[Mineral resources of Kazakhstan] Poleznye iskopaemye Kazakhstana. Alma-Ata, Kazakhskoe gos. izd-vo, 1956. 148 p. (MIRA 11:5)
(Kazakhstan—Mines and mineral resources)

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