International Convention on Electroencephalography. 30-1-17/39

and G. D. Smirnov (USSR) dealt with the electroencephalographic investigations of conditioned reflexes in man, and demonstrated the leading part played by the cerebral cortex and the second signal system in forming these reflexes.

AVAILABLE: Library of Congress

1. Electroencephalography-Applications

Card 2/2

the USA, France, Czechoslovakia, Chile, and Japan. The following scientists from the East held lectures: P. S. Kupalov (USSR), J. M. Konorski (Poland) on the dynamics of stimulation and retardation in the brain.
A. B. Kogan, A. I. Roytbak (both from the USSR) on considerable progress in the conceptions of the elementary processes in the formation of a conditional reflex.
G. V. Gershuni and assistants (USSR) on variations in the performance of stimulation on different levels of the afferent analyzer system during the process of elaboration of a conditional reflex.
P. K. Anokhin, L. G. Trofimov (both USSR), A. Kreindler (Rumania) on results in the investigation of conditional reflex activity by means of electrodes.
K. Lisak (Hungary) pointed out the importance of the interaction between neocortex and palaeocortex in the development of a conditional reflex.
L. G. Voronin, Ye. N. Sokolov, V. S. Rusinov (all from the

Card 2/4

USSR), A. L. Jus (Poland) spoke on results of electroencephalographical research concerning the higher human nerve activity.
G. T. Sakhiulina (USSR) stated that up to now not even the complicated processes of higher nerve activity in dogs are thoroughly investigated from an electroencephalographical point of view.
M. I. Livanov (USSR) dwelt on the development of toposcopical methods and on their application in the analysis of the development of conditional reflexes in animals.
J. Buresh (Czechoslovakia) described a method of temporary suppression of skin activity under chronical experimental conditions.
A decision was unanimously adopted to ask UNESCO to secure the coordination of brain research. The conference commissioned Soviet physiologists to develop a technique of electrophysiological experiments by making use of most recent achievements of electronics and automation in the analysis

Card 3/4

MESHCHERSKIY, R.M.; SMIRNOV, G.D.

Origin of the rhythmic reaction of the cerebral cortex to flickering light. Dokl. AN SSSR 139 no.1:245-248 Jl '61. (MIRA 14:7)

1. Institut morfologii zhivotnykh im. A.N. Severtsova AN SSSR i Institut vysshey nervnoy deyatel'nosti i neyrofiziologii AN SSSR. Predstavleno akademikom I.S. Beritoshvili.
(LIGHT--PHYSIOLOGICAL EFFECT)
(ELECTROENCEPHALOGRAPHY)

MESHCHERSKIY, R.M.; SMIRNOV, G.D.; FEDOROV, V.M.; ROZENBLAT, I.I.

Functional connections of the visual cortex with the external geniculate bodies in a rabbit. Trudy Inst.vys.nerv.deiat. Ser.fiziol. 7:78-90 '62. (MIRA 16:2)
(CEREBRAL CORTEX) (OPTIC THALAMUS)

FILIMONOV, Ivan Nikolayevich; SMIRNOV, G.D., doktor biol. nauk, otv.red.; BUZNIKOV, G.A., red. izd-va; KASHINA, P.S., tekhn.red.; NOVICHKOVA, N.D., tekhn. red.

[Comparative anatomy of the cerebrum in reptiles] Sravnitel'naia anatomiia bol'shogo mozga reptilii. Moskva, Izd-vo Akad. nauk SSSR, 1963. 242 p. (MIRA 16:6)
(Reptiles--Anatomy) (Brain)

SMIRNOV, G. D.; DAVYDOVA, T. V.; DYACHKOVA, L. N.

"The ultrastructure of synapses in the brain of certain vertebrates."

report submitted to 3rd European Regional Conf, Electron Microscopy, Prague, 26 Aug-3 Sep 64.

MANTEYFEL', Yu.B.; SMIRNOV, G.D.

Effect of gamma-aminobutyric acid and picrotoxin on the reactive potentials of the tectum mesencephali in the frog and axolotl. Izv. AN SSSR Ser. biol. 29 no.1:98-113 Ja-F'64 (MIRA 17:3)

1. Institute of Animal Morphology, Academy of Sciences of the U.S.S.R., Moscow.

MESCHCHERSKIY, R.M.; FEDOROV, V.M.; SMIRNOV, G.D.

Efferent influences from the visual cortex to the lateral geniculate nucleus in rabbits. Fiziol. zh. SSSR Sechenov 49 no.6: 649-658 '63 (MIRA 17:1)

1. Institut vysshey nervnoy deyatel'nosti i neyrofiziologii AN SSSR i Institut morfologii zhivotnykh imeni Severtsova AN SSSR, Moskva.

GORGILADZE, G.I.; SMIRNOV, G.D.

Effect of the polarization of the labyrinth on the conduction of stimulation in the optical system. Dokl. AN SSSR 155 no.1:230-233 Mr '64. (MIRA 17:4)

1. Institut morfologii zhivotnykh im. A.N.Severtsova AN SSSR. Predstavleno akademikom I.S.Beritashvili.

SMIRNOV, G.D., doktor biol. nauk

Conference on telestimulation and telemetry held in the German Democratic Republic. Vest. AN SSSR 35 no.4:87 Ap '65. (MIRA 18:6)

MAZURSKAYA, P.Z.; SMIRNOV, G.D.

Functional characteristics of exteroceptor projections in the dorsal forebrain cortex in turtle. Zhur. evol. biokhim. i fiziol. 1 no.5:442-448 S-O '65. (MIRA 18:10)

1. Laboratoriya neyrobiologii Instituta morfologii zhivotnykh imeni Severtsova AN SSSR, Moskva.

SMIRNOV, G.F.; BARIET, V.D.

Experimental determination of loads on flying crop shears. Met. i gornorud. prom. no.3:43-45 My-Je '65. (MIRA 18:11)

SMIRNOV, G.F.

General construction work on the main building. Energ.stroi. no.24:56-60 '61. (MIRA 15:4)

1. Starshiy proizvoditel' rabot Stroitel'nogo upravleniya Pribaltiyskoy gosudarstvennoy rayonnoy elektrostantsii.
(Narva region--Electric power plants--Design and construction)
(Precast concrete construction)

SMIRNOV, G.F., inzh.

Over-all mechanization of labor-consuming processes in flax-spinning mills. Mekh. i avtom.proizv. 15 no.12:28-30 D '61. (MIRA 14:12)
(Flax processing machinery)

ROSPASIYENKO, V.I.; SMIRNOV, G.F.

Improvement of the equipment of individual sections of the 2,800 mill. Met. i gornorud. prom. no. 2:36-38 Mr-Ap '64. (MIRA 17:9)

VERKHIVKER, G.P., kand. tekhn. nauk; SMIRNOV, G.F., inzh.; LAGUTKIN, O.D., inzh.

Determination of optimum thermodynamic parameters of regenerative thermal power cycles in substances with low-melting points. Izv. vys. ucheb. zav.; energ. 8 no.1:46-53 Ja '65. (MIRA 18:2)

1. Odesskiy tekhnologicheskiy institut imeni M.V. Lomonosova. Predstavlena kafedroy teplotekhniki.

L 33022-66 EWT(l)/EWT(m)/EWP(j) WW/JW/RM
ACC NR: AP6014394 (N) SOURCE CODE: UR/0096/66/000/001/0020/0024

AUTHOR: Gokhshteyn, D. P. (Doctor of technical sciences, Professor); Smirov, G. F. (Engineer); Kirov, V. S. (Engineer) 52 51 B

ORG: Odessa Technological Institute (Odesskiy tekhnologicheskiy institut)

TITLE: Characteristics of steam-gas systems with non-aqueous vapors

SOURCE: Teploenergetika, no. 1, 1966, 20-24

TOPIC TAGS: steam power plant, thermodynamic analysis, carbon dioxide

ABSTRACT: The article considers the question of the thermodynamic characteristics of low-boiling substances in steam-gas plants. The main characteristics are the following: there is no limit to raising the upper temperature of the working body, which makes it possible to attain high efficiency; intermediate heating is eliminated; it is possible to attain a power of the order of 1 million kilowatts at each discharge of a gas turbine, due to the higher density of the working body compared with water vapor; and, condensation takes place at the residual pressure. The article gives flow sheets of systems employing carbon dioxide as the working body, and two tables give experimental data obtained in such

UDC: 621.165+621.438.001.13

Card 1/2

L 33022-66

ACC NR: AP6014394

mixed systems. Conclusions are as follows: 1) use of low-boiling substances in the vapor cycle of a steam-gas plant lowers the specific fuel consumption by from 3-10% compared to a high pressure turbine system and by 12-21% compared to a steam power plant operating at the same temperature; 2) the efficiency of the application of low-boiling substances increases on going to higher initial temperatures; 3) among the substances investigated, C_4F_8 gave the highest efficiency. This means that the most advantageous thermochemical substance should be sought in the range of critical temperatures from 100-150°C. Orig. art. has: 6 figures and 2 tables.

SUB CODE: 10/ SUBM DATE: none/ ORIG REF: 010

Card 2/2

L 08060-67 EWT(m)/EWP(f) FDN/WW/DJ/NE SOURCE CODE: UR/0143/66/000/008/0053/0061

ACC NR: AP7001676

AUTHOR: Vorkhivker, G. P. (Candidate of technical sciences); Smirnov, G. F. (Engineer)

ORG: Odessa Technological Institute im. L. V. Lomonosov (Odesskiy tekhnologicheskiy institut)

TITLE: Selection of optimal regenerator parameters for a gas turbine

SOURCE: IVUZ. Energetika, no. 8, 1966, 53-61

TOPIC TAGS: gas turbine, heat transfer coefficient, hydraulic resistance

ABSTRACT: A solution of the problem similar to that stated in an earlier work, [illegible] not allow consideration of the influence of a change in operating [illegible] with a change in regenerator surface, and which required knowledge of the total heat transfer coefficient in the regenerator. The method suggested allows determination of optimal parameters with consideration of: the influence of local conditions of the operation of the installation, that is fuel cost, assignment of the turbine, (peak load or basis operation), cost of manufacture of regenerator; it also allows selection of the optimal type of finning under the given conditions. The method considers the influence of hydraulic resistance to a change in operating fluid flow in the installation and the influence of a change in gas velocity on the effectiveness of the finning. The method can also be used for selection of the optimal increase in pressure in planning a new installation, as well as for determination of

UDC: 621.438+669.183;213

Card 1/2

I: 08060-67
ACC NR: AP7001676

the optimal surface of air coolers and other elements of a gas turbine and of steam gas installations. An expression is given which makes it possible to determine the limiting expediency of introduction of regeneration in a gas turbine with a given cost per meter of surface. Orig. art. has: 4 figures, 1 table and 32 formulas. [JPRS: 38,490]

SUB CODE: 13, 20 / SUBM DATE: 29Jan65 / ORIG REF: 012

Card 2/2

SHIRNOV, G. G.

Mbr., Dept. General Biology & Parasitology, Mil. Med. Acad. im. Kirov, -1943-;
Mbr., Mil. Med. Acad. im. S, M. Kirov, -1946-c49-.
Mbr., Inst. Georgian, Inst., Tropical Diseases, Tbilisi, -1946-c49-.

"On the Efficiency of Cutaneous Infection with Hookworm Larvae," Dok. AN, 42, No. 1, 1943;

"Duration of Transit Parasitism of Larvai of Ancylostomidae in an Abnormal Host," ibid., 52, No. 5, 1946; (N. G. Kamalov)

"Inoculation of Hemorrhagic Septicemia Microbes in the Treatment of Skin Infection by Ancylostoma Larvae," ibid., 68, No. 6, 1949.

USSR/Medicine - Infectious Diseases 11 Feb 51

"Transmission of Bacilli anthracis by Larvae of Ancylostomides," G. G. Smirnov, N. G. Kamalov, Mil Med Acad imeni S. M. Kirov

"Dok Ak Nauk SSSR" Vol LXXVI, No 5, pp 759, 760

Ability of larvae of Ancylostoma duodenale or Necator americanus to entrain Bact. bovisepticus through the skin of hamsters, thus infecting the animals with hemorrhagic septicemia, has been shown by the authors before ("Dok Ak Nauk SSSR" Vol LXVIII, No 6, 1949). Using Western Asiatic hamsters Mesocricetus auratus brandti Nehring,

184T87

USSR/Medicine - Infectious Diseases 11 Feb 51
(Contd)

1898, demonstrated fact that the animals are infected in same manner with Bacilli anthracis by larvae of Necator americanus. Culture of B. anthracis was supplied by Georgian Sci Res Vet Inst. Bacteriol examn of the dead animals was carried out by I. Giorgadze, Head of Chair of Microbiol, Georgian Zoovet Inst.

184T87

SMIRNOV, G. G.

Metody gel'mintologicheskoi diagnostiki [Methods of helminthologic diagnosis]. Moskva, Izd-vo Akad. med. nauk SSSR. 1953. 61 p.

SO: Monthly List of Russian Accessions, Vol. 6 No. 9 December 1953

BUROVA, N.G. [deceased] SMIRNOV, G.G.

Helminths parasitic on the domestic animals of Tajikistan. Trudy An Tadzh.SSR 21:31-47 '54. (MLRA 9:12)
(Tajikistan--Parasites--Domestic animals)
(Worms, Intestinal and parasitic)

SMIRNOV, G. G.

"The Natural-Focus Origin of Echinococcus."

Tenth Conference on Parasitological Problems and Diseases with Natural Reservoirs, 22-29 October 1959, Vol. II, Publishing House of Academy of Sciences, USSR, Moscow-Leningrad, 1959.

Leningrad

SMIRNOV, Grigoriy Grigor'yevich

[Medical helminthology] Meditsinskaia gel'mintologiia. Leningrad, Medgiz, 1959. 262 p. (MIRA 13:8)
(WORMS, INTESTINAL AND PARASITIC)

ALFEYEV, N.I.; BREGETOVA, N.G.; GNEZDILOV, V.G. [deceased]; GUTSEVICH, A.V.; KOSTYLEV, N.N.; NIKOLAYEV, B.P.; OLSUF'YEV, N.G.; PAVLOVSKIY, Yevgeniy Nikanorovich, akademik; PERVOMAYSKIY, G.S.; PERFIL'YEV, P.P.; POMERANTSEV, B.I.[deceased]; SALYAYEV, V.A.; SKVORTSOV, B.P.; SMIRNOV, G.G.; TERAVSKIY, I.K.; BLAGOVESHCHENSKIY, D.I., doktor, red.; RULEVA, M.S., tekhn.red.

[Laboratory manual on medical parasitology] Laboratornyi praktikum meditsinskoi parazitologii. Pod red. E.N.Pavlovskogo. Leningrad, Gos.izd-vo med.lit-ry, Leningr.otd-nie, 1959. 486 p.
(MIRA 12:9)

(MEDICAL PARASITOLOGY)

PAVLOVSKIY, Ye.N., akademik; SMIRNOV, G.G., prof.; GUTSEVICH, A.V., prof.; PERVOMAYSKIY, G.S., prof.; PODOLYAN, V.Ya., prof.

V.G. Gnezdilov; an obituary. Med.paraz.bolezn. 23 no.1:126-127 Ja-F '59. (MIRA 12:3)
(GNEZDILOV, VLADIMIR GEORGIEVICH, 1898-1958)

SMIRNOV, Grigoriy Grigor'yevich; PERVOMAYSKIY,G.S., red.; GULYAYEVA,T.S. tekhn.red.

[Helminths are injurious to health] Glisty vrediat zdorov'iu. [Leningrad] Gos.izd-vo med.lit-ry Medgiz, Leningr.otd-nie, 1960. 29 p. (MIRA 14:3)
(Worms, Intestinal and parasitic)

SMIRNOV, G.G.

Natural foci of trichinellosis in the Arctic. Zool. zhur. 42 no.3:338-344 '63. (MIRA 17:1)

1. S.M. Kirov Military Medical Academy, Leningrad.

LEBEDEVA, L.P.; KRYSIN, B.T.; KOLPAKOV, Ya.V.; IGNATOV, L.N.; MIKHAYLOVSKIY, V.A.; SMIRNOV, G.G.; TSYTSENKO, M.V.

Experimental production of iron-base friction ceramic metals. Porosh. met. 5 no.8:96-102 Ag '65. (MIRA 18:9)

L 57596-65 EWG(j)/EWT(d)/EWT(l)/EWP(e)/EWT(m)/EWP(w)/EPF(c)/EWG(s)-2/EWP(i)/EWG(v)/EWA(d)/EWP(v)/EPR/T/EWP(t)/EWP(k)/EWP(z)/EWP(b)/EWA(h) Pe-5/Pf-4/Pr-4/Ps-4/Peb/Pw-4
JD/WW/EM/DJ/WH

ACCESSION NR: AP5017875 UR/0286/65/000/011/0118/0119
621.825

AUTHOR: Kashchenko, I. M.; Krysin, B. T.; Kolpakov, Ya. V.; Smirnov, G. G.; Mikhaylovskiy, V. A.; Tsytsenko, M. V.; Lebedeva, L. P.; Vinokurov, V. I.; Levin, M. M.; Edel'man, M. I.

TITLE: Method for producing friction parts from powder components. Class 47, No. 171702

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 11, 1965, 118-119

TOPIC TAGS: aircraft brake, friction part, powder metallurgy

ABSTRACT: An Author certificate has been issued for a method of producing friction parts (e.g., brake-unit parts) for aircraft from powder components. To reduce wear, the mixture contains 60—70% iron, 13—16% copper, 8—10% barium sulfate, 3—7% graphite, 3—5% asbestos, and 2—5% silicon oxide. The mixture is compact molded at a pressure of 5.8 t/cm^2 and sintered at a temperature of 1060C and a pressure of 25 kg/cm^2. [LB]

Card 1/2

L 57596-65
ACCESSION NR: AP5017875

ASSOCIATION: none

SUBMITTED: 09May63 ENCL: 00 SUB CODE: MM, AC

NO REF SOV: 000 OTHER: 000 ATD PRESS: 4041

Card 2/2

SMIRNOV, G. I.

Decrease the volume of unfinished housing construction.
Zhil.-kom.khoz. 9 no.10:4-5 '59. (MIRA 13:2)
(Construction industry--Costs)
(Building--Contracts and specifications)

IL'IN, Valentin Mikhaylovich; SMIRNOV, Gival' Ivanovich

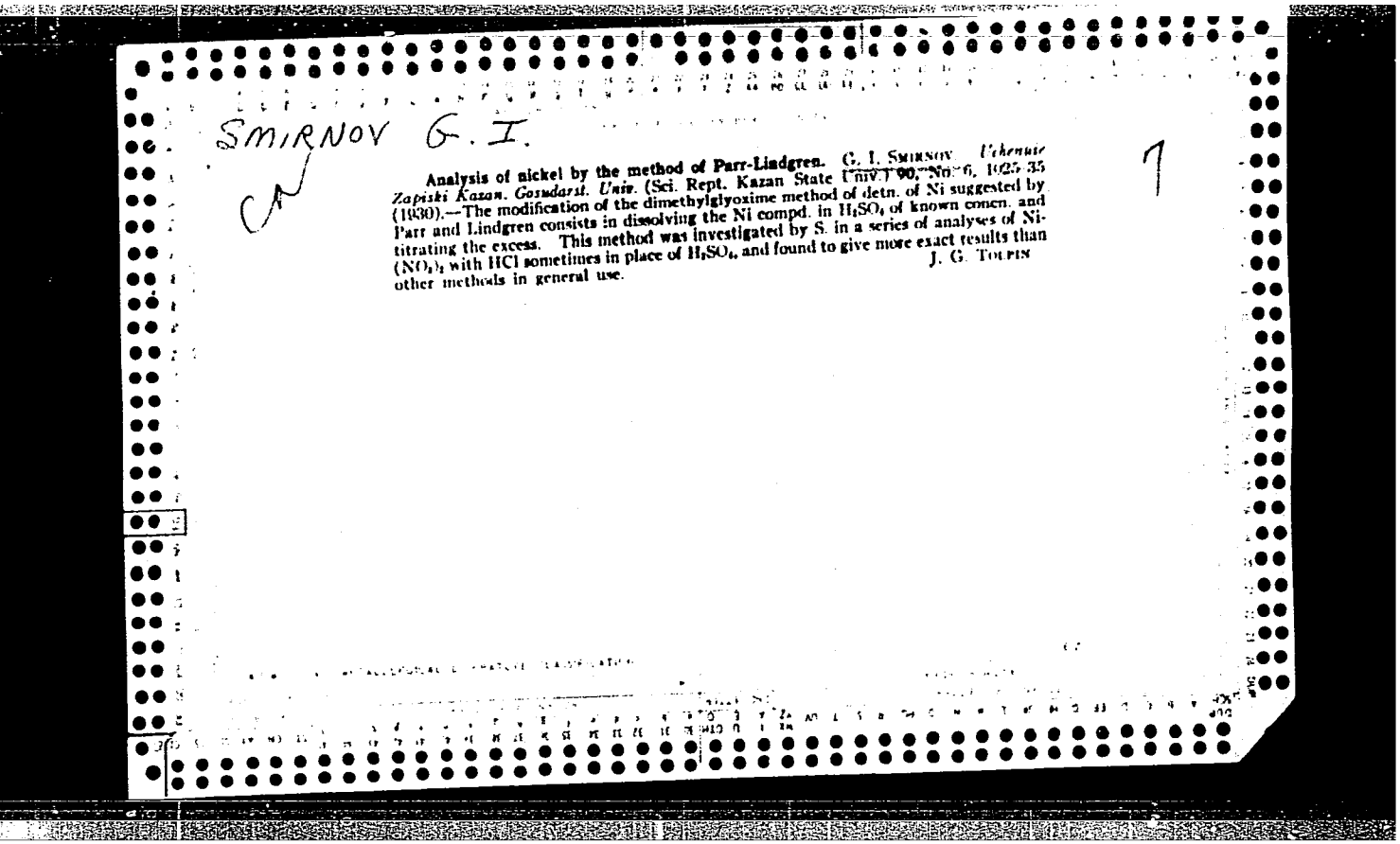
[Accounting in the construction industry] Analiz finansovo-khoziaistvennoi deiatel'nosti stroitel'noi organizatsii. Moskva, Gosfinizdat, 1960. 114 p. (MIRA 14:7)
(Construction industry--Accounting)

CA SMIRNOV G. I. 3

Electrolytic extraction of magnesium from carnallite. I. G. Shcherbakov, S. V. Karevich, O. I. Poltoratzkaya, M. A. Umova and G. I. Smirnov. *J. Chem. Ind.* (Moscow) 7, Nos. 3-4, 1000-4(1930).—Expts. were conducted to find conditions under which Mg deposited from a bath of molten salts will become contaminated with alkali impurities. The bath consisted of $MgCl_2$, KCl and NaCl, the last 2 in the ratio 1.5:1.0. Even when $MgCl_2$ in the bath reaches a low value (~0.5%) Na does not enter Mg metal, while Mg contains an appreciable amt. of K when $MgCl_2$ decreases to 2%. At an av. cathode density of 20-30 amp./sq. cm., the $MgCl_2$ content can be lowered from 50 to 12% without introducing more than 0.1% K into the Mg deposit. Addn. of NaCl is important because it reduces the m. p. of the bath and at the same time dilutes the KCl content, which is helpful in keeping K out of Mg. Details of operation of a lab.-size electrolytic bath are given.

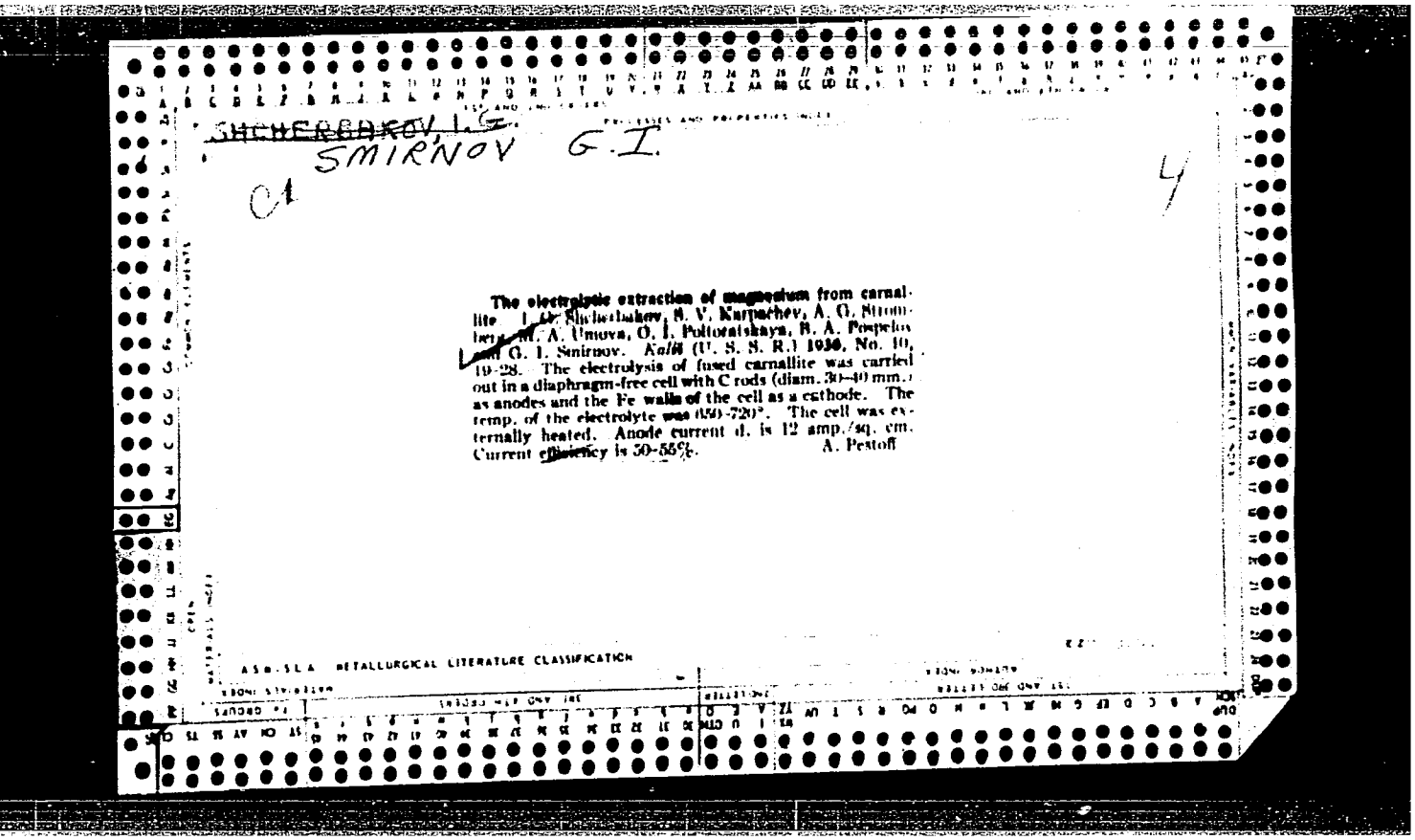
S. L. Madorsky

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



SMIRNOV G.I.

Analysis of nickel by the method of Parr-Lindgren. G. I. SMIRNOV. *Uchenie Zapiski Kazan. Gosudarst. Univ.* (Sci. Rept. Kazan State Univ.) 90, No. 6, 125-35 (1930).—The modification of the dimethylglyoxime method of detn. of Ni suggested by Parr and Lindgren consists in dissolving the Ni compd. in H_2SO_4 of known concn. and titrating the excess. This method was investigated by S. in a series of analyses of Ni-$(NO_3)_2$ with HCl sometimes in place of H_2SO_4, and found to give more exact results than other methods in general use.
J. G. TOLPIN



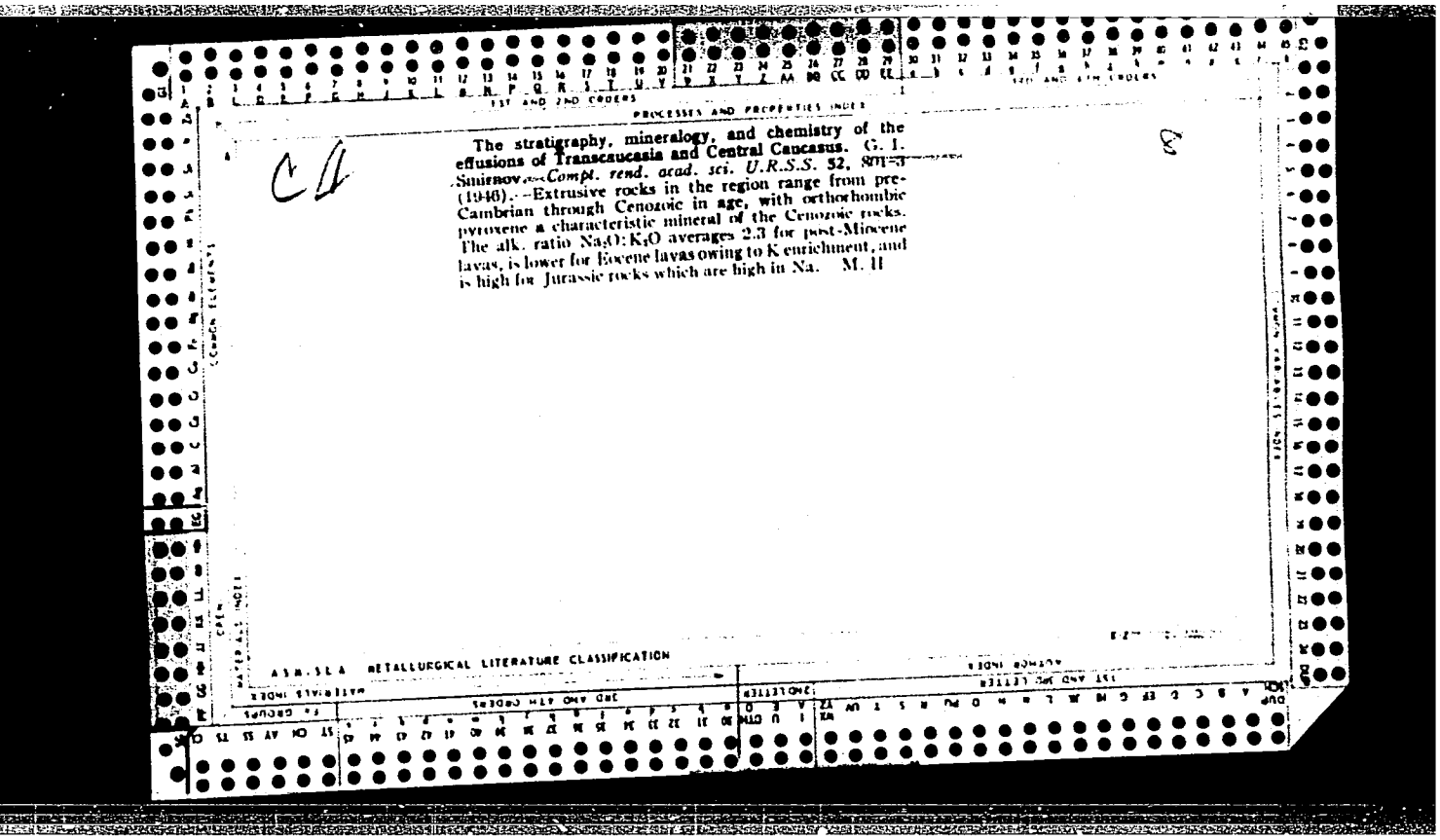
SHCHERBAKOV, I. G.
SMIRNOV G. I.

C1

4

The electrolytic extraction of magnesium from carnallite. I. [by] Shcherbakov, N. V. Kurnachev, A. G. Stromberg, M. A. Umova, O. I. Poltoratskaya, N. A. Pospelov and G. I. Smirnov. *Khim* (U. S. S. R.) 1930, No. 10, 19-28. The electrolysis of fused carnallite was carried out in a diaphragm-free cell with C rods (diam. 30–40 mm.) as anodes and the Fe walls of the cell as a cathode. The temp. of the electrolyte was 690-720°. The cell was externally heated. Anode current d. is 12 amp./sq. cm. Current efficiency is 50-55%. A. Pestoff

A S M - S L A METALLURGICAL LITERATURE CLASSIFICATION



The stratigraphy, mineralogy, and chemistry of the effusions of Transcaucasia and Central Caucasus. G. I. Smirnov.—*Compt. rend. acad. sci. U.R.S.S.* 52, 871–3 (1946).—Extrusive rocks in the region range from pre-Cambrian through Cenozoic in age, with orthorhombic pyroxene a characteristic mineral of the Cenozoic rocks. The alk. ratio $Na_2O:K_2O$ averages 2.3 for post-Miocene lavas, is lower for Eocene lavas owing to K enrichment, and is high for Jurassic rocks which are high in Na. M. H

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

SMIRNOV, G.I.

Mineralogical characteristics of altered rocks in the Beregovo region of Transcarpathia. Min.sber.no.9:226-245 '55. (MLRA 9:9)

1.L'vov. Institut geologii poleznykh iskopayemykh AN USSR.
(Transcarpathia--Volcanic ash, tuff, etc.) (Mineralogy)

SMIRNOV, G.I.

4

Changes in the elementary cell dimensions of the garnets as a function of their chemical composition. M. A. Onevushev, A. I. Kalinin, V. I. Mikheev, and G. I. Smirnov. *Zapiski Vsesoyus. Mineral. Obshchestva* 85, 472-90(1956); cf. Fleischer, *C.A.* 52, 3729; Skinner, *C.A.* 51, 7348h.—From precision x-ray measurements of analyzed garnets, equations and graphic diagrams have been derived which show the systematic changes in the dimensions of the elementary cells a_0, as a function of the compn. and av. cationic radii of bi- and trivalent metals (r'' and r''') in the garnets. For the simple effect of bivalent cations (with av. radii r'' between 0.780 and 0.823 kX, and a const. radius $r''' = 0.571$ kX, $r'''' = 0.413$ kX, the equation $a_0 = 10.629 + 1.560\,r''$ is the linear relation valid in the series of the pyrope-almandite-spessartite garnets. The corresponding relation in the grossularite-andradite series is given by the function $a_0 = 10.695 + 2.000\,r'''$ (for a const. av. $r'' = 1.01$ kX, and $r'''' = 0.413$ kX). Both relations can be combined for polynary garnets in the formula $a_0 = 9.125 + 1.560\,r'' + 2.000\,r'''$, as a very satisfactory approximation, with 3 to 5% accuracy. Further diagrams show the interrelation of r'' and r''' with a_0, and the a_{0-N} graphs for the systems pyrope-almandite-grossularite, and grossularite-andradite-almandite. For practical purposes this latter diagram is highly useful, and only the presence of MnO and Cr_2O_3 may bring about slight deviations. For the pure mols. of the end members in the garnet group new data are given of a_0 (in kX): pyrope = 11.435; almandite = 11.490; spessartite = 11.578; grossularite = 11.840; andradite = 12.040; uvarovite = 12.00. In addn. are given those of "khoharite" ($3MgO.Fe_2O_3.3SiO_2$) = 11.635; "skiagite" ($3FeO.Fe_2O_3.3SiO_2$) = 11.695; "calderite" ($3MnO.Fe_2O_3.3SiO_2$) = 11.504. For these latter Mn garnets the radii $r'' = 0.86$; and $r''' = 0.52$ kX were calcd.

W. Eitel

BOBRIYEVICH, A.P.; KALYUZHNYY, Vl.A.; SMIRNOV, G.I.

Moissanite in the kimberlites of the East Siberian Platform. Dokl. AN SSSR 115 no.6:1189-1192 Ag '57. (MIRA 11:1)

1. Institut geologii poleznykh iskopayemykh AN USSR, L'vov. Predstavleno akademikom D.S. Korzhinskim.
(Siberia, Eastern--Kimberlite)

SMIRNOV, G.I.

BOBRIYEVICH, A.P., sotrudnik; BONDARENKO, M.N., sotrudnik; GNEVUSHEV, M.A., sotrudnik; KIND, N.D., sotrudnik; KORESHKOV, B.Ya., sotrudnik; KURYLEVA, N.A., sotrudnik; NEFEDOVA, Z.D., sotrudnik; POPUGAYEVA, L.A., sotrudnik; POPOVA, Ye.E., sotrudnik; SKUL'SKIY, V.D., sotrudnik; SMIRNOV, G.I., sotrudnik; YURKEVICH, R.K., sotrudnik; FAYNSHTEYN, G.Kh., sotrudnik; SHCHUKIN, V.N., sotrudnik; BUROV, A.P., nauchnyy redaktor; SOBOLEV, V.S., nauchnyy redaktor; VERSTAK, G.V., redaktor izdatel'stva; KRYNOCHKINA, K.V., tekhnicheskiy redaktor

[Diamonds of Siberia] Almazy Sibiri. [Moskva] Gos.nauchno-tekhn. izd-vo lit-ry po geol. i okhrane nedr, 1957. 157 p. (MLRA 10:7)

1. Russia (1923- U.S.S.R.) Ministerstvo geologii i okhrany nedr. 2. Amakinskaya ekspeditsiya Glavuralsibgeologii Ministerstva geologii i okhrany nedr SSSR (for Bobriyevich, Bondarenko, Gnevushev, Kind, Koreshkov, Kuryleva, Nefedova, Popugayeva, Popova, Skul'skiy, Smirnov, Yurkevich, Faynshteyn, Shchukin)
(Siberia--Diamonds)

Bobriyevich, A.P. Smirnov, G.I.

20-6-37/48

AUTHORS: Bobriyevich, A.P., Kalyuzhnyy, Vl.A., Smirnov, G.I.

TITLE: Moissanite in the Kimberlites of the East-Siberian Platform (Muassanit v kimberlitakh Vostochno-Sibirskoy platformy)

PERIODICAL: Doklady AN SSSR, 1957, Vol. 115, Nr 6, pp. 1189 - 1192 (USSR)

ABSTRACT: The authors give a historical survey beginning with the discovery of the above-mentioned mineral abroad and in the USSR and enumerate the concomitant minerals: olivine, pyrope, chrome dioside, ilmenite, pyroxene and magnetite. In other layers olivine is absent, ilmenite predominates and almandine is met with. In almost all layers occur: staurolite, rutile, distene, spinel, chromite, tourmaline, leukoxene, more rarely hornblende, epidote, corundum, chloritoid, monazite, sphene, apatite, andalusite, anatase and gold. The fact that moissanite is bound to the association with kimberlite-minerals, such as pyrope and chrome diopside, gave rise to the assumption that there exists one common source for them all. Such a souce was found for some places of discovery. Finally the first author found a roundish xenolith of porphyry-peridotite with a marked content of moissanite. It was macroscopically and mineralogically investigated

Card 1/3

Molybdenite in the Kimberlites of the East-Siberian Platform 20-6-37/48

ASSOCIATION: Institute for the Mineral Geology AN Ukrainian SSR, L'vov
(Institut geologii poleznykh iskopayemykh Akademii nauk USSR g. L'vov)

PRESENTED: by D.S. Korzhinskiy, Academician, March 20, 1957

SUBMITTED: March 18, 1957

AVAILABLE: Library of Congress

Card 3/3

SOV/3028

Smirnov, G. I.

PHASE I BOOK EXPLOITATION

3(5, 8)

Akademiya nauk SSSR. Yakutskiy filial

Materialy po geologii poleznykh iskopayemykh Yakutii (Materials on the Geology of the Minerals of Yakutiya) Moscow, Izd-vo AN SSSR, 1959. 199 p. (Series: Its: Trudy. Seriya geologicheskaya. Sbornik, no. 4) Errata slip inserted. 1,500 copies printed.

Resp. Ed.: N. V. Cherskiy; Ed. of Publishing Houses: S. P. Shobolov; Tech. Ed.: P. S. Kashina.

PURPOSE: This collection of articles is intended for geologists, mineralogists, petrographers, and stratigraphers.

COVERAGE: This collection of articles discusses the geology of various East Siberian mineral complexes. Of particular interest are an article on Yakut diamonds (photographs show morphology and crystal structure) and one on alterations in rock complexes (albitization, biotization, etc.). References accompany each article.

Card 1/ 3

AVAILABLE: Library of Congress

Card 3/3

MM/lsb
12-21-59

BOBRIYEVICH, A.P.; BONDARENKO, M.N.; GNEVUSHEV, M.A.; KRASOV, L.M.; SMIRNOV, G.I.; YURKEVICH, R.K.; SOBOLEV, V.S., akademik, nauchnyy red.; VERSTAK, G.V., red.izd-va; GUROVA, O.A., tekhn.red.

[Diamond deposits of Yakutia] Almaznye mestorozhdeniia IAkutii. Nauchnyi red. V.S.Sobolev. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geologii i okhrane nedr, 1959. 526 p. (MIRA 12:11)
(Yakutia--Diamonds)

BOBRIYEVICH, A.P.; SMIRNOV, G.I.

Hornblende from garnet amphibolite. Nauch.soob. IAFAN SSSR no.2:40-41 '59. (MIRA 16:3)
(Hornblende) (Amphibolite)

SMIRNOV, G.I.

Mineralogy of Siberian kimberlites. Trudy IAFAN SSSR.Ser. geol. no.4:47-73 '59. (MIRA 12:8)
(Siberia--Kimberlite)

SOV/20-126-3-50/69

3(8)

AUTHORS: Bobriyevich, A. P., Smirnov, G. I., Sobolev, V. S., Academician

TITLE: A Xenolite of the Eclogite With Diamonds (Ksenolit eklogita s almazami)

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 126, Nr 3, pp 637 - 640 (USSR)

ABSTRACT: A xenolite of the type mentioned in the title with a great number of visible diamonds was found in the kimberlite of the "Mir" tube, and handed over by R. K. Yurkevich and L. M. Zaretskiy to the authors for investigation. The rock forms a coarse-grained aggregate of red-orange colored garnet and dark-green monoclinic pyroxene. Diamond octahedrons are enclosed in their mass. Together with diamond, idiomorphic graphite crystals are visible (Figs 1,2 adjoining p 616). Garnet (Fig 3) constitutes more than 50% of the rock, and occurs in the form of idiomorphic or irregular grains. Tables 1 and 2 indicate the garnet composition in % converted to xenolite and basic components (analysis by E. A. Kolesnikova in the laboratory of the Amakinskaya Expedition). The same tables also contain analytic results together with conversions

Card 1/3

for other garnets for comparison. The diamond crystals are investigated at present and their description will be given later. They are flat facet-shaped octahedrons of coarse-laminar structure. In spite of eager search, it has only been possible up to date to find single concrescences of diamond crystals with eclogite minerals (Refs 4-6). According to Z. V. Bartashinskiy there are sometimes traces of graphitization visible in the xenolite diamonds. But this may be graphite of the 2nd generation which was formed after the reduction of pressure below the equilibrium curve graphite-diamond at the magmatic rise (before the formation of tubes). There are 2 types of eclogite formation: a) peculiar crystalline slates (Ref 1) with no plagioclase; b) not only the plagioclase is missing, but also the garnet has a different character here: it contains much less of the almandine component and is rich in chromic oxide. The eclogite discussed here is similar to type a. The occurrence of diamonds in the eclogite xenolite leads to the assumption that the rock referred to - in spite of the similarity mentioned - was formed at a higher pressure than is attained by the usual metamorphism (up to 20000 atmospheres). It is probable that this rock was lifted by the magma from

great depths - though from smaller depths than the garnet peridotites. The taking hold of xenolites of diamond-containing eclogites does by no means justify the assertion that all diamonds in kimberlites are xenogenous. The diamond crystallization in the kimberlite magma, or in any case the genetic relation to this magma, are now established (Ref 1). There are 3 figures, 2 tables, and 7 references, 3 of which are Soviet.

ASSOCIATION: Amakinskaya ekspeditsiya Ministerstva geologii i okhrany nedr SSSR (Amakinskaya Expedition of the Ministry of Geology and for the Protection of Mineral Resources USSR)

SUBMITTED: March 26, 1959

BOBRIYEVICH, A.P.; SMIRNOV, G.I.; SOBOLEV, V.S.

Mineralogy of xenoliths of grossularite-pyroxene-disthene rocks in kimberlites of Yakutia. Geol. i geofiz. no.3:18-24 '60.
(MIRA 13:9)

1. Amakinskaya ekspeditsiya Yakutskogo geologicheskogo upravleniya i Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR.
(Yakutia--Xenoliths) (Yakutia--Kimberlite)

SMIRNOV, G.I.; KHAR'KOV, A.D.

Thaumasite in kimberlites of Yakutia. Geol. i geofiz. no.12:116-118 '60. (MIRA 14:5)

(Yakutia--Thaumasite)

S/081/61/000/023/011/061
B117/B147

AUTHOR: Smirnov, G. I.

TITLE: Characteristics of accompanying minerals of diamond

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 23, 1961, 100, abstract 23G60 (Tr. Yakutskogo fil. Sib. otd. AN SSSR. Ser. geol., sb. 6, 1961, 71 - 86)

TEXT: During the search for original diamond deposits the occurrence of accompanying minerals in the schlichs was examined: olivine, pyrope, picroilmenite, chrome diopside, and magnochromite. Results of the determination of the physical properties and chemical composition of pyrope (10 samples), olivine (7 samples), chrome diopside (2 samples), and picroilmenite (9 samples), as well as of the semiquantitative spectral analysis of magnochromite are presented. An increased magnesia content and the presence of Cr, Ni, and Co are typical of each of them. [Abstracter's note: Complete translation.]

Card 1/1

LEBEDEV, A.A.; SMIRNOV, G.I.

Serpentinization in kimberlites. Trudy IAFAN AN SSSR Ser. geol. no.9:103-105 '63. (MIRA 16:12)

LEVSHOV, P.P. [deceased]; MUZYKA, G.M.; SMIRNOV, G.I.; KHAR'KIV, A.D.

"Khantit" in the kimberlites of Yakutia. Geol. i geofiz. no.10:161-169 '64. (MIRA 18:4)

1. Amakinskaya ekspeditsiya, poselok Nyurba.

KOZLOV, I.T.; MUZYKA, G.M.; SMIRNOV, G.I.

Find of accessory datolite in association with kimberlites. Min. sbor. 18 no.2:207-210 '64. (MIRA 18:5)

1. Amakinskaya ekspeditsiya Yakutskogo geologicheskogo upravleniya, Nyurba.

[illegible], L.I., [illegible]

Investigating the performance of a coupling without a lever. Kvt, prom. 31 no.4:36-38 Ap '65. (MIRA 18:5)

1. Azovo-Chernomorskiy institut mekhanizatsii sel'skogo khozyaystva.

L 9662-66 EWT(1)/ETC/EWG(m)/EWA(h) TT/AT

ACC NR: AP5026504 SOURCE CODE: UR/0286/65/000/019/0035/0035

AUTHORS: D'yachenko, G. I.; Khutoretskiy, G. M.; Smirnov, G. K.; Shalyt, L. D.

36
B

ORG: none

TITLE: Multiphase unlike-pole inductor generator. Class 21, No. 175114

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 19, 1965, 35

TOPIC TAGS: electric generator, electric rotating equipment

ABSTRACT: This Author Certificate presents a multiphase unlike-pole inductor generator with a distributed stator winding and with the number of stator teeth equal to twice the number of rotor teeth (see Fig. 1). To simplify fabrication,

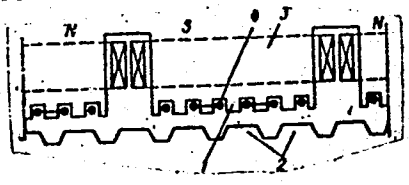


Fig. 1. 1 - Stator teeth; 2 - rotor teeth; 3 - pole; 4 - phase winding.

Card 1/2 UDC: 621.313.39

2

SMIRNOV, G. L.

Agriculture

Electrification of the collective farms of Sverdlovsk Province, Moskva, Gos. izd-vo selkhoz. lit-ry, 1951

Monthly List of Russian Accessions. Library of Congress. October 1952. UNCLASSIFIED

NOVIKOV, Mikhail Pavlovich; SMIRNOV, G.L.; BUDZKO, I.A.; RADIN, K.S.; SHLIKHTER, A.A.; GREBTSOV, P.P., red.; GOR'KOVA, Z.D., tekhn.red.

[Farm electrification in the U.S.A.] Elektrifikatsiia sel'skogo khoziaistva v SShA. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1960. 238 p. (MIRA 14:3)
(United States--Electricity in agriculture)

SMIRNOV, G.M.

Materials on the biology of the bream Abramis ballerus L. in the lower Kama and middle Volga. Uch.zap.Kaz.un. 116 no.1:231-235 '55. (MLRA 10:5)

1.Kafedra zoologii pozvonochnykh.
(Kama River--Bream)
(Volga River--Bream)

SMIRNOV, G. M.

PA 25/49T9

USSR/Chemistry -- Barium Sulfate Jan 49
Chemistry -- Aluminum Oxide

"Products of the Interaction of Barium Sulfate With Aluminum Oxide in the Temperature Range 1,200-1,400° C," G. M. Smirnov, O. P. Mchedlov-Petrosyan, 2 pp

"Dok Ak Nauk SSSR" Vol LXIV, No 2

Experiments with various mixtures of barium sulfate and aluminum oxide confirm that stable intermediate products, aluminates, do form in the temperature interval 1,200-1,400° C. Submitted 7 Sep 48.

25/49T9

SMIRNOV, G.M.

USSR

Changes in the optical properties of serpentine by heating. O. P. Mchedlov-Petrosyan, L. I. Karyakin, and G. M. Smirnov (S. M. Kirov Inst. Engineers of Railroad Transport, Kharkov). *Doklady Akad. Nauk S.S.S.R.* 96, 617–20 (1954).—The structural analogy between antigorite and kaolinite (on its dehydration (Belyankin and Feodot'ev, *C.A.* 45, 7477*i*)) makes the optical investigation of the dehydration products of serpentine highly suggestive. The serpentinite from Tsnelisskii (Georgian S.S.R.) is a mixt. of chrysotile and antigorite. This and a gem serpentine (chiefly antigorite) were taken as starting materials. While kaolinite entirely loses its birefringence in the meta-phase, the birefringence of fired serpentines is always marked. In the temp. range of rapid dehydration (500° to 600° for the common serpentine, 550° to 700° for the gem material) the n_S decrease, with a min. at 600° for the common serpentine, but rapidly increased beyond 600° in both minerals. Intermediate phases (if they exist) must be ephemeral. Apparently, the antigorite tables in the gem serpentine are changed to a fibrous product of chrysotile-like aspect. The authors conclude that the first, intermediate phase with decreased n_S is a Mg silicate with some OH groups still preserved in the structure. The x-ray powder diagrams given for the gem serpentine, heated to 500° (for 2 and 5 hrs.), 670° (for 2 and 5 hrs.), and 760° (for 5 hrs.) show even at the highest temps. not one strong line indicative for olivine. The intermediate phase is, therefore, a different silicate, at least stable in the interval between 600° and 800°. Only after the complete dehydration (above 900°) do the n_S distinctly increase. W. Eitel

SMIRNOV, G.M., inzh.; BRONSHTEYN, I.I., red.

[Technician's handbook on the installation of equipment for chemical water purification in thermal electric power plants] Pamiatka slesaria po montazhu oborudovaniia khimvodoochistki teplovoi elektrostantsii. Moskva, Gosenergoizdat, 1962. 64 p. (MIRA 17:4)

SMIRNOV, G.M.; IVANOV, A.A.; BOCHAROV, V.A.; KOSTYUCHENKO, N.T.; MEDYNSKIY, A.F.; MISHCHENKO, V.P.; TANCHIK, Ye.M.

Welded ladle for pouring steel. Met. i gornorud. prom. no. 2: 65 Mr-Ap '64. (MIRA 17:9)

IVANOV, A.A.; OBODOVSKIY, B.A.; SMIRNOV, G.M.; BOCHAROV, V.A.; KOSTYUCHENKO, N.I.; LYUBOV, V.A.; MANOV, V.M.; MEDYNSKIY, A.F.; MISHCHENKO, V.P.; FURSA, I.G.

Investigating 350- and 480-ton welded steel-pouring ladles. Izv.vys.ucheb.zav.; chern. met. 8 no.4:220-223 '65. (MIRA 18:4)

1. Zhdanovskiy metallurgicheskiy institut.

AID P - 3330

Subject : USSR/Power Engineering

Card 1/1 Pub. 26 - 16/28

Author : Smirnov, G. M., Eng.

Title : Use of a light gantry crane in installing thermal and mechanical equipment at power plants

Periodical : Elek. sta., 8, 45, Ag 1955

Abstract : The operation of a 2t gantry crane with a 17 m long arm and the crane itself are described in detail. The use of this type of cranes in powerhouse construction is strongly recommended. One diagram.

Institution : None

Submitted : No date

AID P - 3348

Subject : USSR/Electricity

Card 1/1 Pub. 29 - 6/27

Author : Smirnov, G. M., Eng.

Title : Mechanization of assembly work

Periodical : Energetik, 9, 13-16, S 1955

Abstract : The author describes in detail an apparatus which was developed by A. I. Zotov and serves to cut boiler pipes for adjusting in the installation of boilers. This is a transportable machine of the PTZ-32-83 type. The author gives details of its operation. Five detailed drawings.

Institution : None

Submitted : No date

AID P - 3774

Subject : USSR/Electricity

Card 1/1 Pub. 26 - 16/29

Author : Smirnov, G. M., Eng.

Title : Hoisting of a 44-t drum with a 2 X 15-t capacity bridge crane

Periodical : Elek. sta., 10, 49-50, O 1955

Abstract : The author describes the hoisting operation of a 40-t drum of the TP-230-2 type boiler which was executed with two 15-t capacity each trolleys of a bridge crane. Four drawings.

Institution : None

Submitted : No date

AID P - 3539

Subject : USSR/Electricity

Card 1/1 Pub. 29 - 3/27

Author : Smirnov, G. M., Eng.

Title : Required torque for rolling tubes

Periodical : Energetik, 11, 7-8, N 1955

Abstract : The author describes his experience with rolling boiler tubes, and in particular in the determination of the required torque for the most efficient result. In his operations he worked with rolling mills of the "Tsentro-energomontazh" design.

Institution : None

Submitted : No date

AID P - 4064

Subject : USSR/Power

Card 1/1 Pub. 26 - 22/33

Author : Smirnov, G. M., Eng.

Title : Mounting a pre-assembled crane in the boiler room.

Periodical : Elek. sta., 12, 51-52, 1955

Abstract : The author describes the process of mounting a pre-assembled gantry crane in a boiler room. One diagram.

Institution : None

Submitted : No date

SMIRNOV, G.M., inzhener.

Unloading and setting up a 155-ton generator stator by means of two cranes with capacities of 100 tons and 20 tons. Energetik 4 no.8:22-24 Ag '56. (MLRA 9:10)
(Electric generators) (Loading and unloading) (Cranes, derricks, etc.)

SMIRNOV, G. M., inzhener.

Full-rotating jib crane with a capacity of 5 tons mounted on the S-80 tractor. Elek.sta.27 no.2:49-50 F '56. (MLRA 9:6)
(Cranes, derricks, etc.)

SMIRNOV, G.M., inzhener.

Hoisting a 45-ton drum with a traveling crane having a capacity of 35.5 tons. Elek.sta. 27 no.4:52-53 Ap '56. (MLRA 9:8)
(Cranes, derricks, etc.)

SMIRNOV, G.M., inzhener.

Device for joining pipes to heating surfaces. Energetik 5 no.3:15-17 Mr '57. (MIRA 10:3)

(Boilers)

SHIRNOV, G. ., inzhener.

Making precision electrodes for electric power plants. Energetik 5 no.7:12-14 Jl '57. (MLRA 10:8)
(Electrodes) (Lathes)

SOV-91-58-4-11/29

AUTHOR: Smirnov, G.M., Engineer

TITLE: Mechanization of the Beading of Boiler Pipes (Mekhanizatsiya pri val'tsevanii trub v kotlakh)

PERIODICAL: Energetik, 1958, Nr 4, pp 12-14 (USSR)

ABSTRACT: The "Tsentrenergomontazh" Trust has mechanized different stages of the beading process. A portable machine of new design, suggested by Engineer S.L. Fedoseyev, was utilized for trimming pipe ends by means of a grinding stone (Figure 1). A pneumatic machine of the "PM-2" type is utilized for beading pipes of high pressure boilers. It has the following characteristics: 2.2 hp, 5 atm air pressure, 4 to 5 m^3/min air consumption, 4,800 to 5,000 kg/cm torque and 36 kg weight. For the beading of pipes in medium and low pressure boilers, a beading machine was utilized, worked out by the "Kiyevpromenergomontazh" Trust. It is driven by an electric wrenching machine with increased frequency and 0.8 kw power of the "I-61" and "I-91" types (Figure 2). The torque of this machine was sufficient for beading pipes of 83 mm diameter and 3.5 mm wall thickness, the beading ring having a width of 28 mm. An additional gear with a ratio of 34.2, introduced into the reducer, increased the torque up to 3,600 kg/cm. Such a machine was suitable for beading pipes

Card 1/2

of 83 mm diameter and 3.5 mm wall thickness with a beading ring attaining 40 mm. Mechanic A.D. Chulkov designed an original beading limiter for a given torque (Figure 3). The limiter is connected in series with the main switch and automatically cuts out the feed circuit of the electric motor when the given torque value is attained. After the electric motor has stopped the worm gear returns to its initial position, due to the action of a regulating spring. The worm gear reducer is fixed by bolts to the rear of an electric drilling machine of the "I-59" type. Figure 4 shows a slant fastening beading system for pipes of 60 mm diameter and 3.5 mm wall thickness, with a beading limit of 50.7 to 57 mm. Figure 5 shows a flange beading system for pipes of 60 mm diameter and 3.5 mm wall thickness. The beading of one pipe end of the above dimensions requires 4.5 to 6 minutes and the flanging of the same requires 1.5 to 2 minutes.
There are 5 diagrams.

1. Boiler tubes--Installation 2. Pipe beading machines

8 (6) SOV/91-59-4-6/28

AUTHOR: Smirnov, G. M., Engineer

TITLE: Some Mechanical Aids for Assembly Work
(Malaya mekhanizatsiya montazhnykh rabot)

PERIODICAL: Energetik, 1959, Nr 4, pp 8 - 12 (USSR)

ABSTRACT: By cooperation of the trust "Tsentroenergomontazh", the "Proyektno-konstruktorskaya kontora" (Planning and Designing Office) and the "Kotel'no-mekhanicheskiy zavod" (Boiler Mechanical Plant) the mass-production of the following mechanical aids was started: 1) the universal sheet roller UV-1800 for shaping boiler shells and structural steel will handle sheet metal 10 mm thick with a maximum width of 1800 mm, or sheet metal 20 mm thick and correspondingly smaller dimensions. The length of the roller is 3350 mm, the width 940 mm, the height 1180 mm and the weight 2.7 tons. The rolling speed is 0.105 m/sec. The rollers are driven by one 4.5 kw motor, the upper roller is lifted by a 2.8 kw motor. Figure 1 shows this roller. 2) an electric winch with a

Card 1/2

lifting power of 0.5 tons is powered by a 2.8 kw, 1420 rpm motor, shown in Figure 3. 3) A manually operated hoist, which lifts parts of up to 0.5 tons to a height of 2 m. It is shown in Figure 4. 4) A pulley with a hook with a lifting capacity of 5 tons is shown in Figure 5. It weighs only 20 kg compared to the 35 kg one at the plant "Krasnyy takelazhnik" and the 36 kg one of the plant "Krasnyy blok". 6) Figure 6 shows a hydraulic pipe bending device for tubes of small diameter. 7) Figure 7 shows a device which is used for fastening the hoses of an oxy-acetylene welding apparatus. There are 7 diagrams.

YEFREMOV, I.S., doktor tekhn. nauk; REKITAR, R.A., inzh.; ROZENBERG, S.V., kand. ekon. nauk; BLATNOV, M.D., kand. tekhn. nauk; VIL'KONETSKIY, M.S., inzh.; TOMILIN, A.I., inzh.; POPELYASH, V.N., inzh.; ZAGAYNOV, N.A., kand. tekhn. nauk; FINKEL'SHTEYN, B.S., inzh.; MARINOV, I.A., inzh.; ISTRATOV, V.P., inzh.; MARGOLIN, I.S., inzh.; ENGEL'S, G.G., inzh.; ANTONOV, V.A., inzh.; SOKOLOV, V.D., inzh.; KLESHCHINSKIY, B.K., inzh.; IL'INSKIY, A.I., retsenzent; PAPKOV, N.G., retsenzent; SMIRNOV, G.M., retsenzent; SHPOLYANSKIY, M.N., otv. red. toma; VOLOCHNEV, V.N., red.; TROFIMOV, A.N., red.; RACHEVSKAYA, M.I., red. izd-va; LELYUKHIN, A.A., tekhn. red.

[Technical manual on city electric transportation in three volumes] Tekhnicheskii spravochnik po gorodskomu elektrotransportu v trekh tomakh. Redkollegiia: V.N.Volochnev, A.N. Trofimov, M.N.Shpolianskii. Moskva, Izd-vo M-va kommun. khoz. RSFSR. Vol.1. [City electric transportation (general part)] Gorodskoi elektricheskii transport (obshchaia chast'). Otv. red. toma M.N.Shpolianskii. 1961. 726 p. (MIRA 15:4)
(Streetcars) (Trolley buses)

SMIRNOV, G.M., inzh.

Mechanization of operations in the installation of thermomechanical equipment at electric power plants. Energetik 9 no.10:17-24 O '61. (MIRA 14:10)

(Electric power plants--Equipment and supplies)
(Hoisting machinery)

SMIRNOV, German Mikhaylovich; ZBOROVSKAYA, R.L., inzh., red.; MIKHAYLENKO, Yu.Ya., red.; LEBEDEVA, L.V., tekhn. red.

[Work mechanization of the installation operations of thermal and mechanical equipment in thermal electric power plants] Mekhanizatsiia rabot po montazhu teplomekhanicheskogo oborudovaniia teplovykh elektrostantsii. Moskva, Orgenergostroi, 1962. 56 p. (MIRA 16:9)
(Electric power plants)

SMIRNOV, G.N., inzh.

Mechanization of work in the installation of thermal and mechanical equipment in electric power plants. Energetik 12 no.7:34-36 Jl '64. (MIRA 17:9)

SMIRNOV, G.N., inzh.

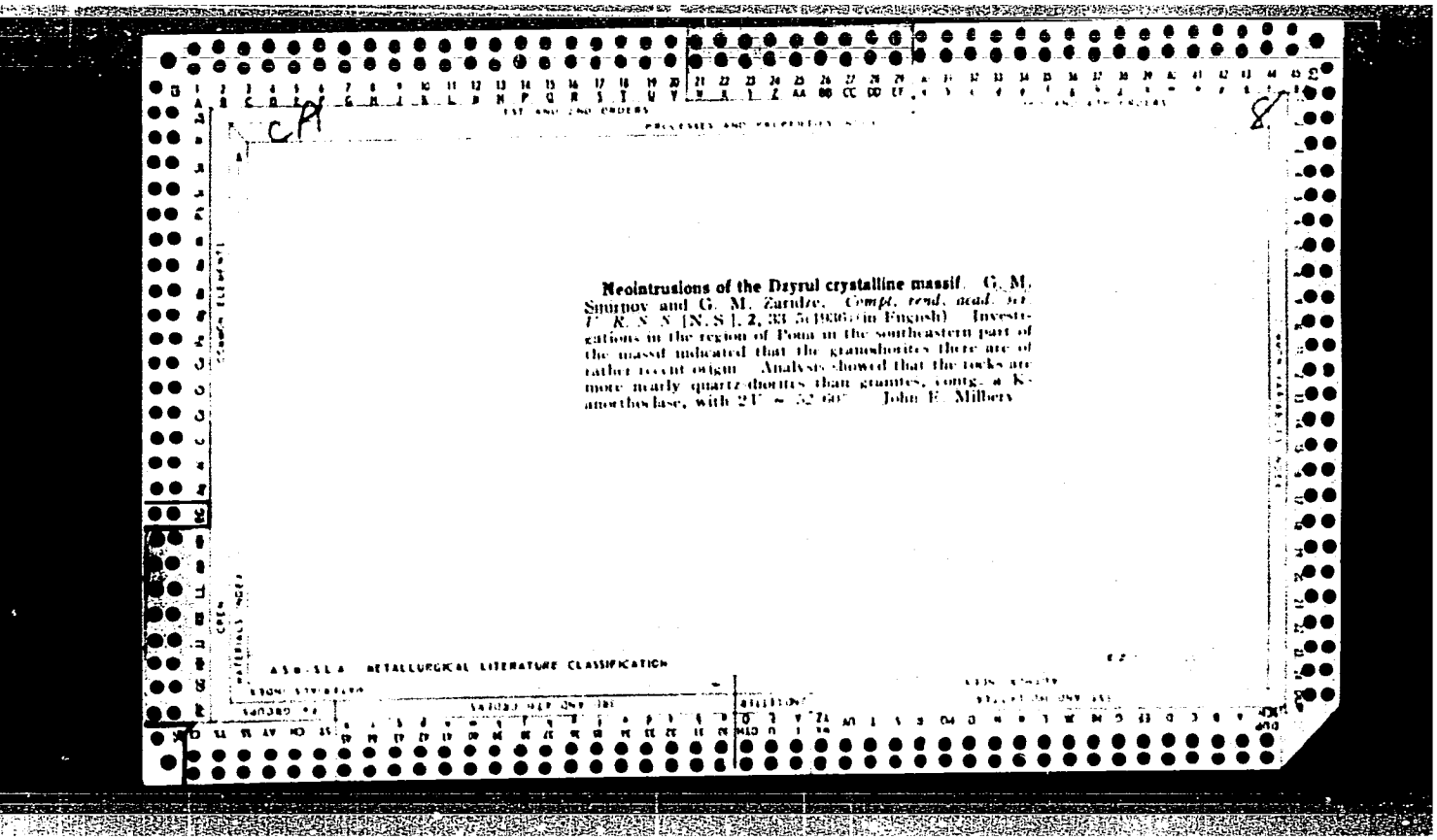
Mechanization of work in the installation of thermomechanical equipment of electric power plants. Energetik 12 no.8:21-23 Ag '64. (MIRA 17:9)

KOSTYUCHENKO, N.T., inzh.; MISHCHENKO, V.P., inzh.; SMIRNOV, G.M., kand. tekhn. nauk

Measuring temperatures of the outside surfaces of an operating machine with electronic thermometers. Gor. zhur. no.9:73 S '65. (MIRA 18:9)

PLUZHNIK, Aleksandr Ivanovich; SMIRNOV, Gennadiy Mikhaylovich; FEDOROV, V.S., red.

[Patents and patent information] Patenty i patentnaia informatsiia. Leningrad, 1964. 40 p. (MIRA 18:4)



Neointrusions of the Dzyrul crystalline massif. G. M. Smirnov and G. M. Zaridze. *Compt. rend. acad. sci. U. R. S. S.* [N. S.], 2, 33-5 (1936) (in English). Investigations in the region of Pona in the southeastern part of the massif indicated that the granodiorites there are of rather recent origin. Analyses showed that the rocks are more nearly quartz-diorites than granites, contg. a K-anorthoclase, with 2V = 52-60°. John F. Millberry

SMIRNOV, G. M.

Smirnov, G. M.- "The dark silicates in the Trans-Caucasian granitoids," Soobshch. Akad. nauk Gruz. SSR, 1948, No. 6, p. 489-90

SO: U-4934, 29 Oct 53, (Letopis 'Zhurnal 'nykh Statey, No. 16, 1949).

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2. USSR (600)

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