GOGICHAYSHVILI, K.V.

Vibration table for making large reinforced concrete ceiling slabs. Suggested by K.V. Gogichaishvili. Rats. predl. no. 41:6-7 '59. (MIRA 14:1)

(Concrete slabs) (Vibrators)

GOGICHAYSHVILI, L.K.

Materials on the study of the distribution characteristics of tree pollen in the piedmont belt of eastern Georgia. Trudy Tbil.bot.inst. 23:89-99 '64. (MIRA 18:4)

GOGICHAYSHVILI, L.K.

Morphology of maple pollen for the purpose of pollen analysis.
Trudy Tbil.bot.inst. 23:241-245 '64.

(MIRA 18:4)

GOGICHAYSHVILI, L.K.

History of Holocene forests in Gare-Kakhetiya. Soob. AN Gruz. SSR 29 no. 4:441-448 O '62 (MIRA 19:1)

1. Institut botaniki AN GruzSSR, Tbilisi. Submitted July 14, 1961.

AUTHORS: Kucheryayev, A. G., Szhenov, Yu. K., SOV/56-34-3-50/55
Gogichayshvili, Sh. M., Leont'yeva, I. N.,
Vasil'yev, L. V.

TITLE: The Magnetic Nuclear Moments of Sr^{87} and Mg^{25}
(Yadernyye magnitnyye momenty Sr^{87} i Mg^{25})

PERIODICAL: Zhurnal Eksperimental'noy i Teoreticheskoy Fiziki, 1958,
Vol. 34, Nr 3, pp. 774-775 (USSR)

ABSTRACT: The authors found the gyromagnetic ratio of the nucleus Sr^{87} by means of the method of magnetic resonance in molecular beams (ref. 1). This molecular beam consisted of strontium atoms which made possible the elimination of the intermolecular interactions as well as an exact taking into account of diamagnetic correction. The 378 cm long strontium-atom beam was detected by means of the method of surface ionization on a heated tungsten wire circumflowed by an oxygen current. The ions of strontium 87 were separated by a magnetic analyzer and were recorded by an electronic multiplier and a galvanometer. The value of the gyromagnetic ratio g of the nucleus is determined from the equation

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The Magnetic Nuclear Moments of Sr^{87} and Mg^{25} SOV/56-34-3-50/55

$$g = 1,3122.10^{-3} f_p/H_p$$

where f_p denotes the resonance frequency of the oscillating field, and H_p denotes the corresponding resonance value of the constant magnetic field(in which the transitions take place). The resonance values f_p and H_p correspond to the minimum intensity of the refocused beam. The measurements were carried out according to the method of the invariable field as well as the method of invariable frequency. Also the fluctuations of the intensity of the atom beam were taken into account by means of two different methods shortly discussed. The maximum error of these measurements is estimated to amount to 0,12 %. From 26 measurement series the following mean value for the gyromagnetic ratio is obtained:

$$g(Sr^{87}) = 0,2423 \pm 0,0003$$

Card 2/3 this coincides within the error limits with the value

determined by C. D. Jeffries (Dzhefris) and P. B. Sogo (Ref 4) according to the method of "nuclear induction". The diamagnetism, of the atom demands the following correction:

$$H_{true} = (1 - \sigma)H_{measured}.$$

Here H_{true} denotes the true value of the magnetic field strength at the place of the nucleus. According to W. C. Dickinson (Dikinson) (Ref 5) here holds $\sigma = 0.00345$. Taking into account this correction as well as the unknown value of the spin of Sr^{87} ($I = 9/2$) the value of μ (Sr^{87}) $= 1.0939 \pm 0.0014$ nuclear magnetons is obtained for the magnetic moment of the nucleus of Sr^{87}.
There are 6 references, 0 of which are Soviet.

SUBMITTED: December 25, 1957

Card 3/3

21(1), 24(3)

SOV/56-37-2-51/56

AUTHORS: Kucheryayev, A. G., Szhenov, Yu. K., Gogichayshvili, Sh. M.

TITLE: Measurement of the Magnetic Moments of the Atomic Nuclei of Alkaline Earth Metals by the Method of Magnetic Resonance in Molecular Beams

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1959, Vol 37, Nr 2(8), pp 582-583 (USSR)

ABSTRACT: This method offers certain advantages if compared to other methods, if the molecular beam consists of atoms in the S_o-state. It has already been used for the purpose of measuring the magnetic moments of Ba^{135}, Ba^{137}, Ne^{21}, and Sr^{87} (Refs 1-4). As already shown by the authors (Refs 4,5), this method may also serve the purpose of determining the magnetic moments of all alkaline earth metals. The description of the experimental arrangement and of the method may be found in reference 5.
Results:

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Measurement of the Magnetic Moments of the Atomic Nuclei of Alkaline Earth Metals by the Method of Magnetic Resonance in Molecular Beams

SOV/56-37-2-51/56

	t, °C	I, imp/sec	β	μ
Mg^{25}	600	200	2.10^{-4}	-0.855 ± 0.002
Ca^{43}	1070	300	0.02	1.317 ± 0.003
Sr^{87}	750	10^4	0.2	-0.0924 ± 0.0009
Ba^{135}	800	500	0.6	1.8370 ± 0.0008
Ba^{137}	800	850	0.6	0.9364 ± 0.0009

t denotes the temperature of the source, I - the recorded intensity of a narrow bundle, β - the surface ionization coefficient at optimum detection conditions, μ - the magnetic moment (with diamagnetic correction) given in nuclear magnetons. Systematical errors were excluded. The authors finally thank T. S. Bokuchav, K. G. Mirzoyev, and I. N. Leont'yeva for their help in carrying out measurements, M. I. Guseva, V. M. Gusev, and D. V. Chkuaseli for the enriched Ca^{43}-preparation. There are 2 tables and 12 references, 3 of which are Soviet.

Card 2/3

Measurement of the Magnetic Moments of the Atomic Nuclei of Alkaline Earth Metals by the Method of Magnetic Resonance in Molecular Beams SOV/56-37-2-51/56

ASSOCIATION: Fiziko-tekhnicheskiy institut Akademii nauk GruzSSR (Physico-technical Institute of the Academy of Sciences, Gruzinskaya SSR)

SUBMITTED: May 19, 1959

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SOV/124-58-7-8053

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 7, p 108 (USSR)

AUTHORS: Melikidze, I.G., Senyuk, S.M., Gogichev, I.I.

TITLE: A Study of the Mechanical Properties of the Rock in Rare-metal Deposits (Izucheniye mekhanicheskikh svoystv gornykh porod mestorozhdeniy redkikh metallov)

PERIODICAL: Tr. In-ta metalla i gorn. dela. AN GruzSSR, 1957, Vol 8, pp 285-301

ABSTRACT: Bibliographic entry

1. Rock--Mechanical properties 2. Rare earth elements

Card 1/1

MELIKIDZE, I.G.; SENYUK, S.M.; GOGICHEV, I.I.

Study of the relation between rock hardness and the size of samples. Trudy Inst.gor.dela AN Gruz.SSR 2:87-101 '60.
(MIRA 14:10)

(Rocks--Testing)

GOGICHAYSHVILI, Ye. A.

Cand Biol Sci - (diss) "Enanthic ester and its role in products of grape processing." Tbilisi, Pub. Georgian Agricultural Inst, 1961. 17 pp; (Ministry of Agriculture Georgian SSR, Scientific Research Inst of Horticulture, Viniculture, and Viticulture Georgian SSR); 180 copies; free; (KL, 6-61 sup, 206)

GOGICHEVA, Kh. I.

Mchedlishvili-Petrosyan, O. P. and G gicheva, Kh. I. "On the problem of getting water-resistant clinkers from dolomite Abano," Soobshch. Akad. nauk Gruz. SSR., 1948, No. 8, p. 491-98, - Bibliog: 10 items

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

GOGICHEVA, KH. I.

USSR/Engineering Dec 48
Refractories
Refractory Materials

"Prospective Use of Georgian Magnesian Dry Materials for the Production of Basic Refractories," V. N. O. P. Mchedlov-Petrosyan, Kh. I. Gogicheva, Acad Sci Shapakidze, Inst of Metal and Mining, Acad Sci Georgian SSR, 4 pp

"Dok Ak Nauk SSSR" Vol LXIII, No 4

Experiments in preparing: (1) dolomitic (magnesian dolomite) refractories using dolomite from Abano and serpentine from Tanelisa, (2) forsterite refractories from burnt serpentine with addition of

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USSR/Engineering (Contd) Dec 48

magnesite, and (3) forsterite refractory using burnt serpentine with addition of magnesium oxide, obtained from serpentine through cyclical chemical processing by hydrochloric acid. Minerals from these deposits were tested first because of their proximity to chief user of refractories, Zaporozhskiy Metal Factory. Submitted by Acad D. S. Belyankin, 2 Oct 48.

45/49772

[illegible], M. P.

USSR/Minerals
Refractories
Furnaces, Metallurgical

"Laboratory Tests on the Production of Dolomite and Forsterite Wares From Raw Materials of the Georgian SSSR," O. P. Mchedlov-Petrosyan, Cand Tech Sci, Kh. I. Jaglchava, Engr. 4 p.

"Ogneupory" No 3

Laboratory tests show possibility of using dolomite from Abana Rayon and serpentinites from Tsnelis' village in Znaurskiy Rayon for making waterproof high-grade dolomite refractory materials, and Tsnelis' serpentinite containing a 15% impurity of magnesium oxide for making fosterite refractory materials -- all for use in metallurgical furnaces of the Transcaucasus. Stresses need for establishing pilot plant in Abana for processing deposits containing refractory materials, and organization of production to meet industrial requirements of the Transcaucasus. Six tables give details on composition of the refractories.

PA 50/49T79

GOGICHEVA, Kh. I. Oct 52

USSR/Engineering - Construction, Materials

"Alunite Cement," K. S. Kutateladze, O. P. Mchedlov-Petrosyan, Kh. I. Gogicheva, Inst of Metals and Mining, Acad Sci Georgian SSR

"Dok Ak Nauk SSSR" Vol 86, No 6 pp 1179-1182

Describes expts for obtaining alumina-type cement from a mixt of alunite and limestone. Presents results of X-ray and microscopic examn alunite and final product. Suggests addn of 0.25% soln of spruce tanning extract as measure against quick setting of cement. Submitted by Acad D. S. Belyankin 9 Aug 52. PA 234T47

GOGICHEVA, Kh. I.

Dissertation: "Research on the Use of Georgian Magnesia Crude Material in Various Branches of Industry." Cand Tech Sci, Inst of Metals and Mining, Acad Sci Georgian SSR, Tbilisi, 1953.

W-30928

SO: Referativnyy Zhurnal, No. 5, Dec 1953, Moscow, AN USSR (N [illegible])

KUTATELADZE, K.S.; MCHEDLISHVILI-PETROSYAN, O.P.; GOGICHEVA, Kh.I.

Using gaize in making slag cement. Soob.AN Gruz.SSR 16 no.2:125-131 '55. (MLRA 9:2)

1.Akademiya nauk Gruzinskoy SSR, Institut metalla i gornogo dela, Tbilisi.Predstavlena chlenom-korrespondentom Akademii G.K.Gedevanishvili.

(Slag cement) (Gypsum)

KUTATELADZE, K.S.; ZEDGINIDZE, Ye.N.; GOGICHEVA, Kh.I.

High-temperature concrete on a magnesia-aluminate base. Trudy Inst.met. AN Gruz.SSR 9:213-220 '58. (MIRA 12:8)
(Concrete--Testing) (Magnesia cement) (Aluminates)

GOGICHEVA, Kh.I.; KUTATELADZE, K.S.; MCHEDLOV-PETROSYAN, O.P.

Physicochemical properties of some dolomites of the Georgian S.S.R.
Soob. AN Gruz. SSR 21 no.1:57-61 Jl '58. (MIRA 11:10)

1. AN GruzSSR, Institut prikladnoy khimii i elektrokhimii, Tbilisi.
Predstavleno akademikom R.I. Agladze.
(Georgia--Dolomite)

GOGICHAYA, Kh.I.; PIRUMOVA, R.A.

Study of local dolomite with the purpose of obtaining caustic dolomite. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR no. 1:153-159 '60. (MIRA 14:2)

(Dolomites)

MCHEDLOV-PETROSYAN, O.M.; GOGICHEVA, Kh.I.; KHUTSISHVILI, E.G.; TOMKHIDZE, G.K.

Laboratory study of the effect of vacuum compression on certain properties of forsterite refractories. Trudy Inst. prikl. khim. i elektrokhim. AN Gruz. SSR no. 1:183-186 '60. (MIRA 14:2)
(Forsterite)

GOGICHEVA, K. I.

PHASE I BOOK EXPLOITATION SOV/5377

Akademiya nauk Gruzinskoy SSR. Institut prikladnoy khimii i elektrotekhniki.

Trudy, t. 1 (Academy of Sciences of the Georgian SSR. Institute of Applied Chemistry and Electrochemistry. Transactions) v.1. Tiflis, 1960. 186 p. Errata slip inserted.

Personalities cannot be established in Georgian writing.

PURPOSE: This collection of articles is intended for mineralogists, metallurgists,and mining specialists.

COVERAGE: The collection contains articles concerning recent research on methods for treating antimony- and arsenic-bearing ores and carbonate ores of manganese. Research on the electrochemical properties of certain ores and their electrodeposition is also discussed. The collection includes

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Institute of Applied Chemistry (Cont.) SOV/5277

studies on the corrosion and electrical properties of certain alloys, studies of the properties of certain cements and cement components, and studies of certain phases of the cement production process. The following personalities are mentioned: Professor N. A. Figurovskiy and his scientific assistant T. B. Gavrilova (p. 113, bottom); R. I. Agladze, Academician, AN GSSR (AS Georgian SSR) (p. 150); S. D. Dzhaparidze and N. I. Lagidze (p. 171). The articles which are written in Georgian are followed by a resumé in Russian. References accompany each article.

TABLE OF CONTENTS:

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Institute of Applied Chemistry (Cont.) SOV/5277

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S/137/61/000/007/002/072
A060/A101

:52610

AUTHORS: Mchedlov-Petrosyan, O. M.; Gogicheva, Kh. I.; Khatiashvili, E. G.; Norakidze, G. K.

TITLE: Laboratory investigation of the effect of vacuum extrusion upon some properties of forsterite refractories

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 7, 1961, 4, abstract 7B22 ("Tr. In-ta prikl. khimii i elektrokhimii. AN GruzSSR", 1960, v. 1, 183-186)

TEXT: It is established that the effect of vacuum upon the properties of objects largely depends on the grain composition of the mixture, the extrusion pressure and the baking temperature. At low baking temperatures extrusion under vacuum does not change the porosity of objects. In the presence of a great amount of coarse fractions in the granular structure vacuum does not show a noticeable effect on the porosity. An increase in extrusion pressure at the same vacuum and almost the same granular composition lowers the apparent porosity. Vacuum shows the greatest effect with medium grain size and a not very low (not below 1,600°C) baking temperature. In these cases the decrease in the apparent

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Laboratory investigation of the effect ...

porosity constitutes 5-20 percent and attains values of the order of 4 percent. The addition of a considerable amount of crude serpentine while using vacuum yields good results. The effect of extrusion in vacuum on thermal stability is small. Slag stability is almost always better for vacuum specimens. A diagram of a vacuum extrusion set-up is given and the method of testing is described.

V. Oparysheva

[Abstracter's note: Complete translation]

Card 2/2

GOGICZ, Antal

Fulfillment of duties. Ujit lap 12 no.16:12 25 Ag '60.

1. Vasas Szakszervezet termelesi osztalyanak vezetoje.

GOGICZ, Antal

It is the interest of every worker. Ujit lap 13 no.1:7 Ja '61.

1. Vasas Szakszervezet termelesi osztalyanak vezetoje.

(Hungary--Iron industry and trade)

GOGICZ, Antal

Preparation for the 3d National Congress of Innovators and Inventors; experiences of the innovation conferences held at iron industry plants. Ujit lap 13 no.18:3 S '61.

1. A Vasas Szakszervezet Budapesti Bizottsaga Termelesi Osztalyanak titkara.

(Hungary—Iron industry and trade)
(Hungary—Industrial management)

BEDENASHEVILI, G.G., kand.veterinarnykh nauk; GOGILASHVILI, I.F., kand. veterinarnykh nauk

Malignant catarrhal fever and listerellosis in cattle. Veterinariia 37 no.8:26-27 Ag '60. (MIRA 15:4)

1. Gruzinskiy NIIZhV (for Bedenashvili, Gogilashvili). 2. Beshtashenskiy veterinarnyy uchastok, TSalkskogo rayona, Gruzinskoy SSR (for Ionidi).

(Georgia--Cattle--Diseases and pests)
(Listerellosis)

OSTAPENKO, K.A.; KOROBOV, V.M.; POLUSHKIN, F.S.; SHUBINA, N.G.; KARYAGIN, V.I.; ZINCHENKO, A.V.; POSTOMASHVILI, A.; GOGIASHVILI, V.; KURASHVILI, S.; SIKORSKIY, A.

Information and brief news. Veterinariia 41 no.2:119-126 F '65. (MIRA 18:3)

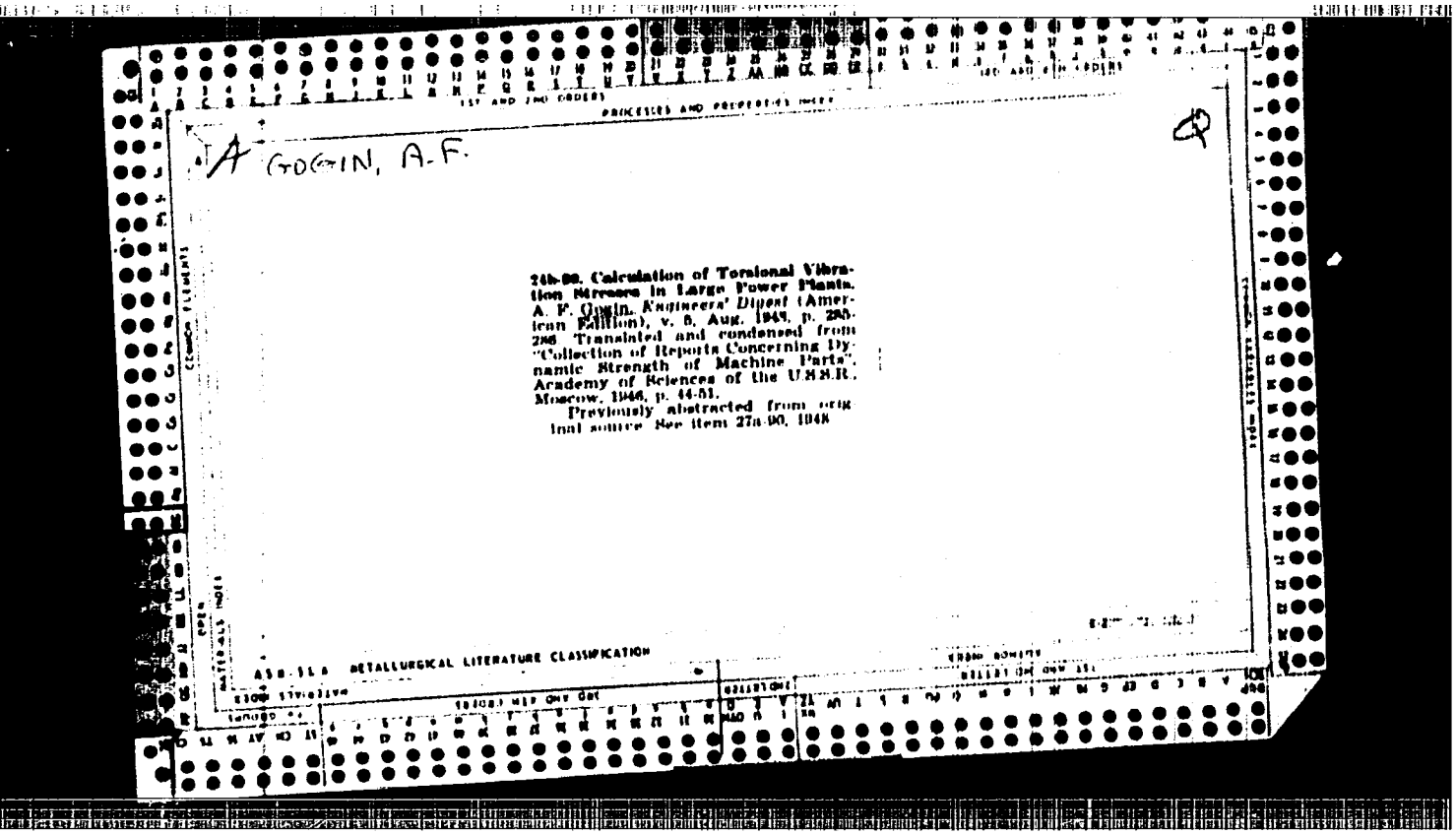
GOGILOV, P. Z.

Obstetrical measuring rule. Akush. i gin. no.4:91-92 '62.
(MIRA 15:7)

(OBSTETRICS--EQUIPMENT AND SUPPLIES)

GOGILOV, P.Z.

Colpometer. Akush. i gin. 38 no.5:114-15 S-O '62.
(MIRA 17:11)



A GOGIN, A.F.

24h-90. Calculation of Torsional Vibration Stresses in Large Power Plants. A. F. Gogin. *Engineers' Digest* (American Edition), v. 5, Aug. 1949, p. 285-286. Translated and condensed from "Collection of Reports Concerning Dynamic Strength of Machine Parts", Academy of Sciences of the U.S.S.R., Moscow, 1946, p. 44-51.
Previously abstracted from original source. See item 27a-90, 1948.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

GOGIN, A.F.

Serious errors in a textbook. ("Internal combustion marine engines." V.K.Biriukov. Reviewed by A.F. Gogin). Rech.transp.14 no.12:29-31 Je '55. (Marine engines) (Biriukov, V.K.) (MLRA 9:9)

PLAKHOV, Veniamin Semenovich; GOGIN, A.F., inzh., retsenzent; KOKHOV, A.F., inzh., retsenzent; OSIPOV, L.L., inzh., retsenzent; TAREYEV, V.M., prof., doktor tekhn. nauk, red.; VITASHKINA, S.A., red. izd-va; BODROVA, V.A., tekhn. red.

[Marine diesel engines; design and operation] Sudovye dizeli; konstruktsiia i ekpluatatsiia. Moskva, Izd-vo "Rechnoi transport," 1961. 423 p. (MIRA 15:3)
(Marine diesel engines)

KUPRIYANOV, Dmitriy Fedorovich; TAREYEV, V.M., prof., retsenzent; GOGIN, A.F., retsenzent; FEDORKO, P.P., red.; VOLCHOK, K.M., tekhn. red.

[Theory of internal combustion marine engines]Teoriia sudovykh dvigatelei vnutrennego sgoraniia. Izd.2. Leningrad, Izd-vo "Rechnoi transport," 1962. 288 p. (MIRA 16:1)
(Marine engines)

GOGIN, D.G.

Change in the circuit of the DRS-R-59 bay. Avtom., telem. i sviaz' 9 no.8:33 Ag '65. (MIRA 18:9)

1. Starshiy elektromekhanik Leningrad-Vitebskoy distantsii Oktyabr'skoy dorogi.

GOGIN, N.; SEMENOV, V.; UTKOV, A. (Kokchetav); SAVCHENKO, A. (Tyumen'); YANUSHPOL'SKIY, D. (Nizhniy Tagil)

Readers' letters. Pozh.delo 8 no.1:31 Ja '62. (MIRA 15:1)

1. Nachal'nik Leningradskoy pozharno-tekhnicheskoy vystavki (for Gogin).

(Fire prevention)

LOGINOV, Fedor Loginovich; TERESHENKOV, Nikolay Kuz'mich; GOGIN, Nikolay Aleksandrovich; MEGORSKIY, Boris Vasil'yevich; MINASYAN, Ye.A., redaktor izdatel'stva; ZHOROV, D.M., tekhnicheskiy redaktor

[Organization and methods of operation of government fire inspection agencies] Organizatsiia i metodika provedeniia raboty organami gosudarstvennogo pozharnogo nadzora. Moskva, Izd-vo Ministerstva kommunal'nogo khoziaistva RSFSR, 1956. 204 p. (MLRA 10:1)
(Fire prevention)

GOGIN, N. A.

GOGINA, L.; GOGIN, N.

Incompatible substances. Pozh.delo 3 no.5:9 My '57. (MLRA 10:7)
(Chemicals--Safety measures)

KHEYFETS, L.; PETRICHENKO, S.; GOGIN, N.A. SVISTUNOV, A. (Chelyabinsk)

Readers letters. Pozh.delo 5 no.11:31-32 N '59. (MIRA 13:4)

1. Nachal'nik Otdela gosudarstvennogo pozharnogo nadzora Upravleniya pozharnoy okhrany Saratovskogo oblispolkoma (for Kheyfets). 2. Starshiy rayonnyy pozharnyy inspektor, selo Mlinovo, Rovenskaya oblast' (for Petrichenko). 3. Nachal'nik Leningradskoy pozharno-tekhnicheskoy vystavki (for Gogin).
(Fire prevention) (Fire extinction)

COGIN, N. (Leningrad)

Progress in fire equipment. Pozh.delo 7 no.11:26 N '61.
(MIRA 14:11)

(Fire departments--Equipment and supplies)
(Leneingard--Exhibitions)

BURMISTROV, N.A.; KOROBEYNIKOVA, A.D.; KHATSKEVICH, V.S.; SOSIN, M.A.; OSOKINA, K.I.; BOZHKO, V.S.; MOSKALEV, I.A.; GOGIN, N.M.; DANILKINA, V.I.; BEZRUCHENKO, I.Ya.

Experience in competing for the right to be called an enterprise of communist labor. Vest. sviazi 21 no.11:22-25 N '61. (MIRA 14:11)

1. Nachal'nik Pervomayskoy kontory svyazi g. Moskvy (for Burmistrov). 2. Nachal'nik otdeleniya svyazi Kupino, Shebekinskogo rayona, Belgorodskoy obl. (for Korobeynikova). 3. Nachal'nik Noginskoy rayonnoy kontory svyazi Moskovskoy obl. (for Khatskevich). 4. Nachal'nik Teykovskoy kontory svyazi Ivanovskoy obl. (for Sosin). 5. Nachal'nik 16-go otdeleniya svyazi Dzerzhinska, Gor'kovskoy obl. (for Osokina). 6. Nachal'nik Sovetskoy kontory svyazi Kaliningradskoy oblasti (for Bozhko). 7. Nachal'nik Sovetskoy kontory svyazi Kurskoy obl. (for Moskalev). 8. Nachal'nik Kanavinskoy kontory svyazi g. Gor'kogo (for Gogin). 9. Nachal'nik Shchelkanovskogo otdeleniya svyazi Yukhnovskogo rayona, Kaluzhskoy obl. (for Danilkina). 10. Nachal'nik Bobrovskoy rayonnoy kontory svyazi Voronezhskoy oblasti (for Bezruchenko).

(Telecommunication—Employees)

PODDUBNYY, I.; YANIKOV, I.; FABRIKOV, G., zhivotnovod; TARASYUK, A.; TSAPLIN, V.; BAKLITSKAYA, Ye., zven'yevaya; GRIDINA, A., doyarka; KRAVTSOVA, Z., telyatnitsa; KOMYAGINA, R., svinarka; SAVEL'YEV, I., chaban; SLADKOMEDOVA, N., ptichnitsa; RUD, M., mekhanizator; GOGIN, S., mekhanizator.

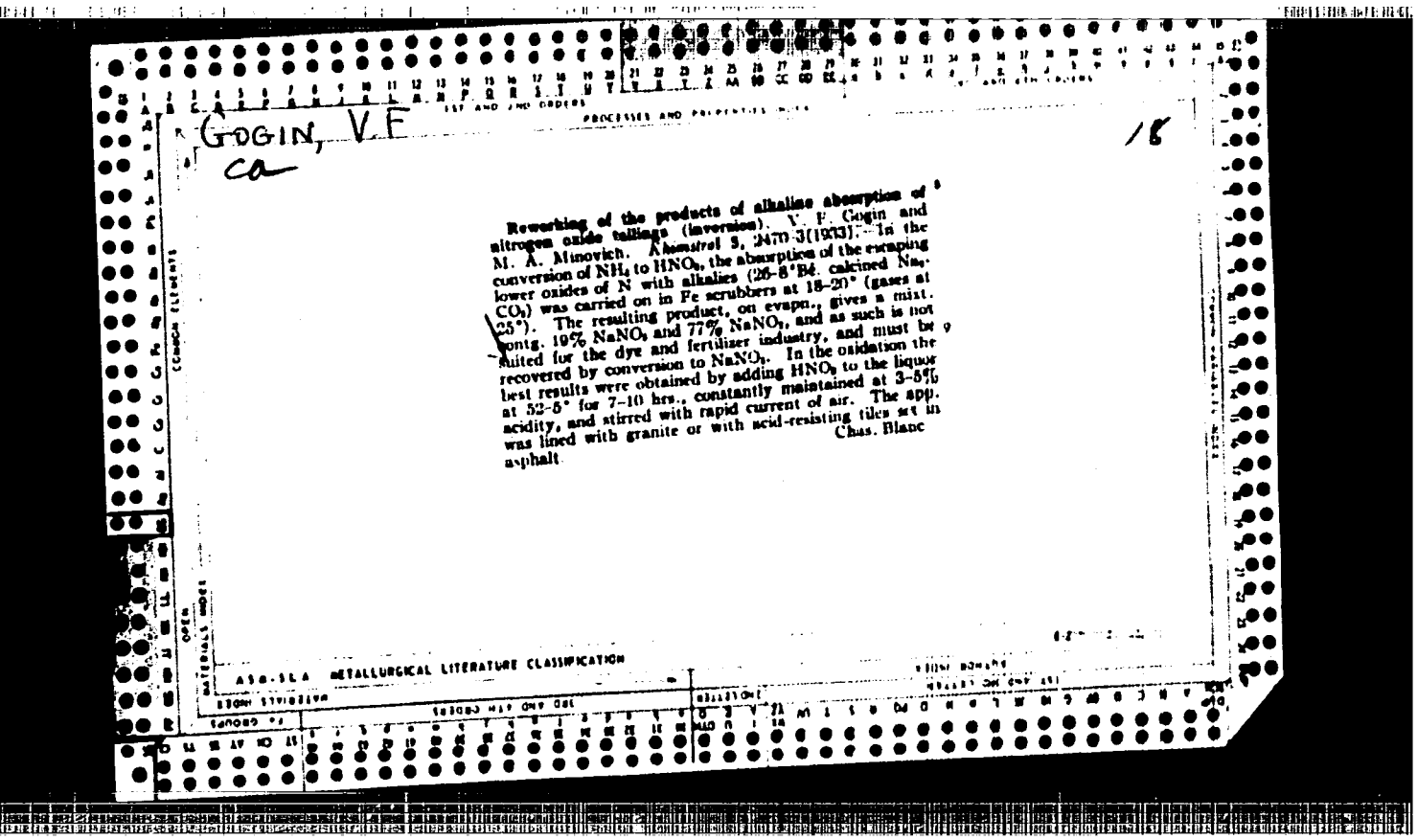
Our collective farm in seven years. Nauka i pered.op.v sel'khoz. 9 no.1:5-9 Ja '59. (MIRA 13:3)

1. Kolkhoz "Ukraina," Kirovskogo rayona Krymskoy oblasti. 2. Predsedatel' kolkhoza "Ukraina" Kirovskogo rayona Krymskoy oblasti (for Poddubnyy). 3. Glavnyy agronom kolkhoza "Ukraina" Kirovskogo rayona Krymskoy oblasti (for Yanikov). 4. Glavnyy mekhanik kolkhoza "Ukraina" Kirovskogo rayona Krymskoy oblasti (for Tarasyuk). 5. Sekretar' partorganizatsii kolkhoza "Ukraina" Kirovskogo rayona Krymskoy oblasti (for TSaplin).
(Kirovskoye District--Agriculture)

GOGIN, V. [Hohin, V.]

Giant of Ukrainian chemistry. Nauka i zhyttia 12 no.1:41 Ja '63.
(MIRA 16:3)

1. Direktor Lisichanskogo khimicheskogo kombinata.
(Lisichansk District—Chemical plants) (Automation)



GOGIN, V.F
ca

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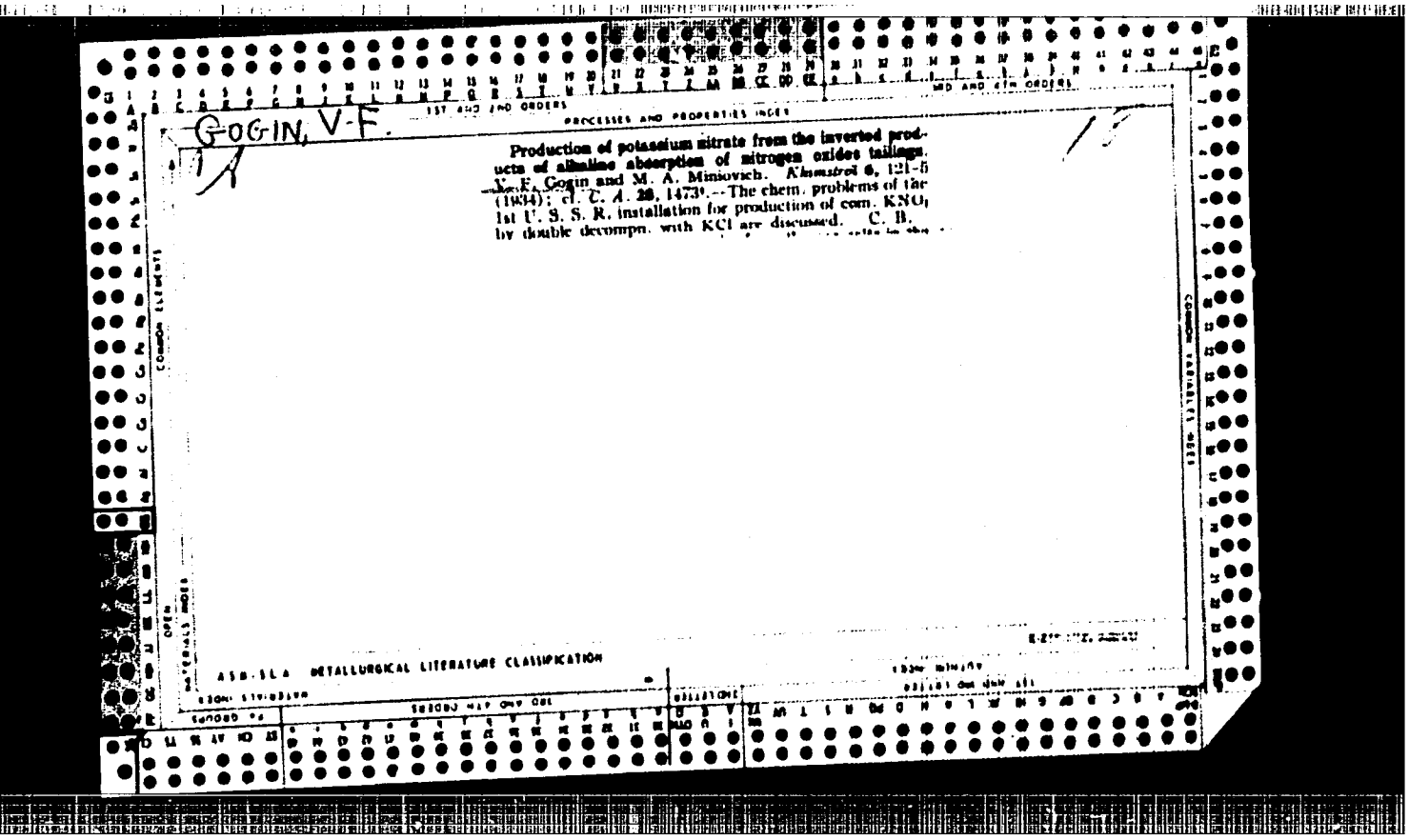
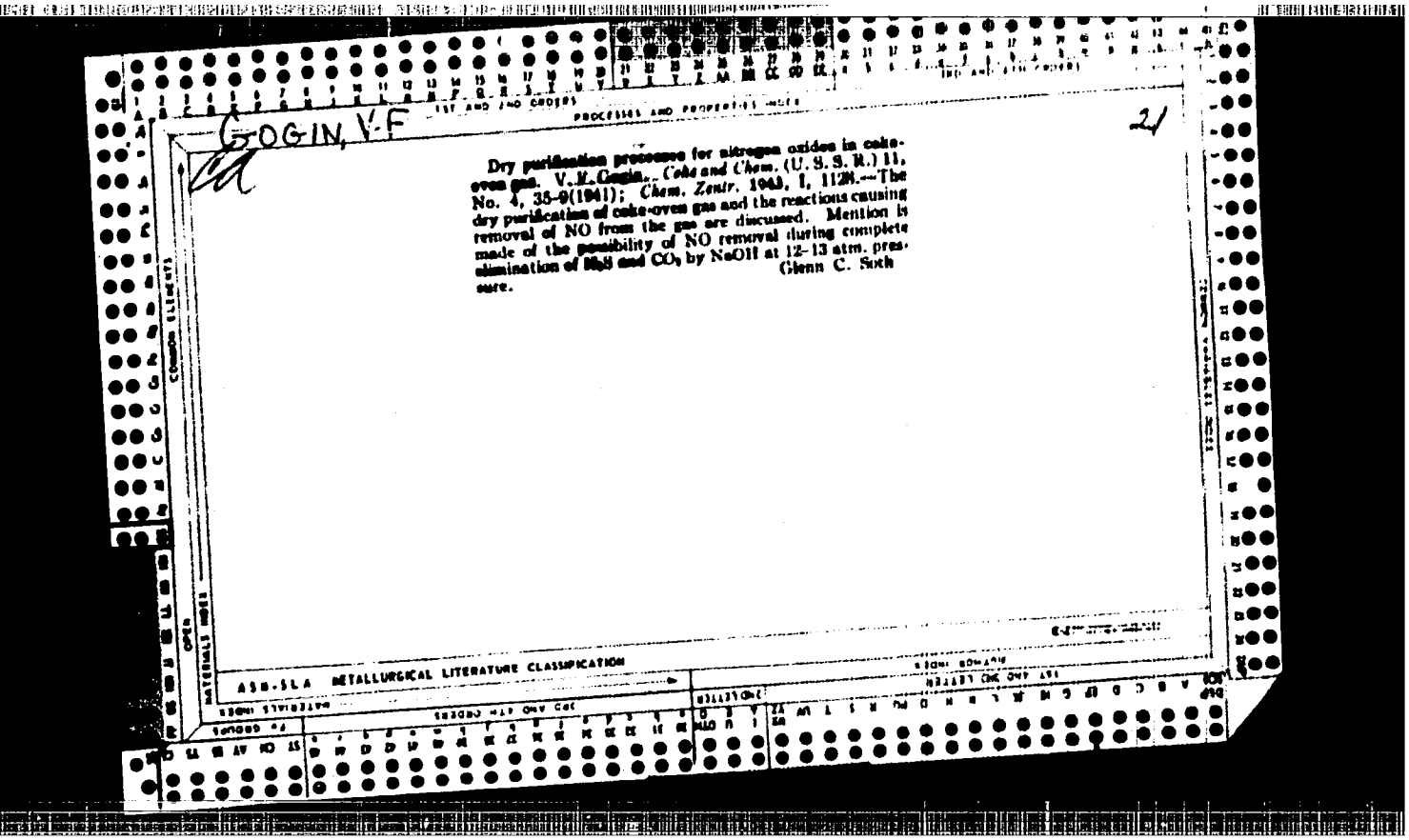
Reworking of the products of alkaline absorption of nitrogen oxide tailings (inversion). V. F. Gogin and M. A. Minovich. *Khimstroi* 9, 24-30(1933).—In the conversion of NH_3 to HNO_3, the absorption of the escaping lower oxides of N with alkalies (26-8° Bé. calcined Na_2CO_3) was carried on in Fe scrubbers at 18–20° (gases at 25°). The resulting product, on evapn., gives a mixt. contg. 19% $NaNO_3$ and 77% $NaNO_2$, and as such is not suited for the dye and fertilizer industry, and must be recovered by conversion to $NaNO_3$. In the oxidation the best results were obtained by adding HNO_3 to the liquor at 52–5° for 7–10 hrs., constantly maintained at 3–5% acidity, and stirred with rapid current of air. The app. was lined with granite or with acid-resisting tiles set in asphalt. Chas. Blanc

A50-SLA METALLURGICAL LITERATURE CLASSIFICATION





GOGIN, V.F

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Dry purification processes for nitrogen oxides in coke-oven gas. V. M. Gogin. *Coke and Chem.* (U. S. S. R.) 11, No. 4, 38-9(1941); *Chem. Zentr.* 1943, I, 1128.—The dry purification of coke-oven gas and the reactions causing removal of NO from the gas are discussed. Mention is made of the possibility of NO removal during complete elimination of H_2S and CO_2 by NaOH at 12–13 atm. pressure.

Glenn C. Sixth

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

[redacted], A. [redacted].

Deep freezing of coke gas; the separation of coke gas to obtain a nitrogen-hydrogen mixture Moskva, Gos. nauch.-tekhn. izd-vo khim. lit-ry, 1947. 174 p. (49-51231)

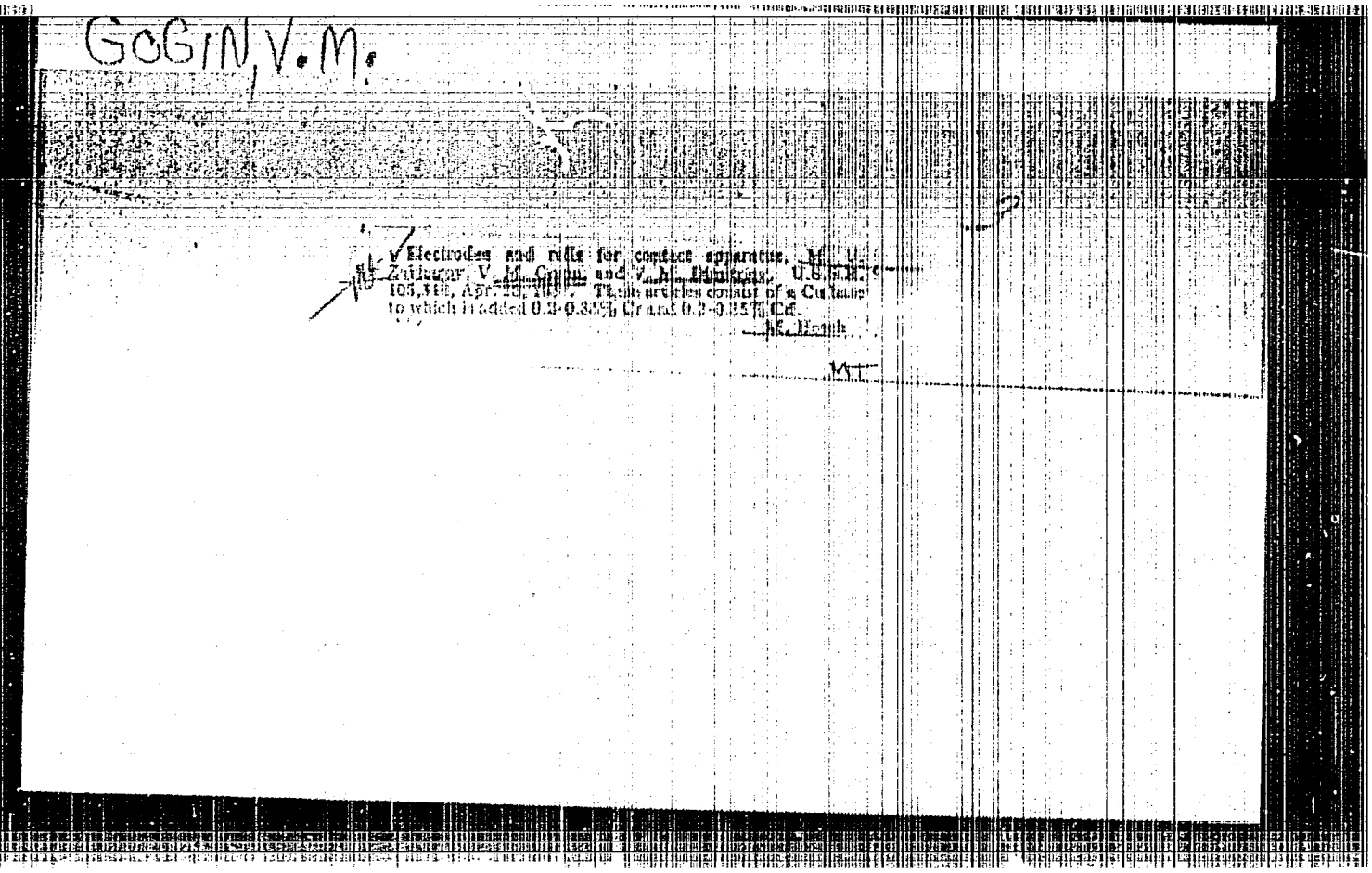
TP223.G65

GOGIN, V.F.; KRUGLOV, B.I.

Advanced practices of the Lisichansk chemists. Khim. prom. 40 no.9: 641-642 S '64. (MIRA 17:11)

GOGIN, V.Z. [Hohin, V.Z.]; ENGLEV, B.I

Advanced practices for the utilization of natural gas by the chemical industries. Khim. prom.[Ukr.] no.1:67-69 Ja-Mr '65.
(MIRA 18:4)



GOGIN, V.M.

Electrodes and rods for contact apparatus. M. U.
Zaitsev, V. M. Gogin, and V. A. Dmitriev. U.S.S.R.
105,318, Apr. 30, 1957. The articles consist of a Cu basis
to which is added 0.2-0.35% Cr and 0.2-0.35% Cd.
M. Hosch

MISHIN, D.D.; GOGIN, V.P.

Effect of the initial state on the result of thermomagnetic treatment of a permalloy. Izv.vys.ucheb.zav.; fiz. no.3:12-14 '63. (MIRA 16:12)

1. Ural'skiy gosudarstvennyy universitet imeni A.M.Gor'kogo.

SHMYKOV, P.A., inzhener; SHAGAL, G.M., inzhener; GOGIN, Ya.I., inzhener; MALKOV, D.E., inzhener.

Precast prestressed reinforced shell arches. Nov.tekh.i pered.op. v stroi. 18 no.12:9-12 D '56. (MLRA 10:1)
(Roofs, Shell) (Prestressed concrete construction)

GOGIN, E. E.

"Treatment of Ambulatory Forms of Burns," Med. Sestra, No.3, 1949

GOGIN, E. E.

1. Frostbite. Med. sestra, Moskva no. 11:21-23 Nov. 1951. (CIML 21:3)

GOGIN, Ye.Ye.,(Leningrad)

Sudden death of a patient with bronchial asthma treated with ACTH.
Klin. med. 34 no.1:73-76 Ja '56 (MIRA 9:5)

1. Iz kafedry fakul'tetskoy terapii (nach.-prof. A.A. Nechayev)
Voyenno-morskoy meditsinskoy akademii i Basseynovoy klinicheskoy
bol'nitsy imeni Chudnovskogo (glavnyy vrach A.N. Shakunov)
(ASTHMA, ther.
ACTH, causing sudden death)
(DEATH SUDDEN, in various dis.
asthma, ACTH ther.)
(ACTH, ther. use
asthma, causing sudden death)

GOGIN, Ye.Ye.; MAKSIMOV, V.A.; SEMENKO, A.N. (Leningrad)

Diagnosis of pheochromocytoma. Klin.med. 34 no.10:67-79 O '56.
(MLRA 10:1)

1. Iz kafedry Fakul'tetskoy terapii (nach. - prof. A.A.Nechayev) Voyenno-morskoy meditsinskoy akademii i klinicheskoy bol'nitsy imeni Chudnovskogo (glavnyy vrach A.N.Shakunov)
(PHEOCHROMOCYTOMA, diag.)

GOGIN, Ye.Ye.

Diagnosis of tuberculosis of the mesenteric lymphatic nodes.
Vest. khir. 77 no.1:81-86 Ja '56 (MLRA 9:5)

1. Iz tuberkuleznogo otdeleniya (i.o. nach V.V. Akimov) 1-go Leningradskogo voyenno-morskogo ordena Lenina gospitalya.
(TUBERCULOSIS, LYMPH NODE
mesenteric, diag.)
(MESENTERIES, dis.
lymph node tuberc., diag.)

GOGIN, Ye.Ye.

Blood circulation in acute pneumonias. Terap.arkh. 32 no.1: 48-53 Ja '60. (MIRA 13 :10)
(PNEUMONIA) (BLOOD—CIRCULATION)

GOGIN, Ye.Ye.; ASTAPOV, B.M.

Artificial pneumopericardium. Klin.med. 38 no.6:36-41 Je '60.
(MIRA 13:12)

(PERICARDIUM)

VOLYNSKIY, Z.M., prof.; GOGIN, Ye.Ye., kand.med.nauk; SOLOV'EVA, V.S., kand.med.nauk

Diffuse pericarditis in myocardial infarct. Kardiologiia 1 no.6: 58-66 N-D '61. (MIRA 15:1)

1. Iz kafedry voyenno-morskoy i gospital'noy terapii (nachal'nik prof. Z.M.Volynskiy) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova.
(HEART--INFARCTION) (PERICARDITIS)

ASTAPOV, B.M. (Leningrad, K-27, ul.TSimlyanskaya, d.6, kv.7); GOGIN, Ye.Ye.

Diagnostic significance of an artificial pneumopericardium. Vest. rent. i rad. 36 no. 1:15-20 Ja-F '61. (MIRA 14:4)

1. Iz kafedry gospital'noy terapii No.2 (nachal'nik - prof. Z.M. Volynskiy) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova.

(PERICARDIUM)

VOLYNSKIY, Z.M., prof.; GOGIN, Ye.Ye., kand. med. nauk

Modern concepts of pericarditis. Kardiologiia 3 no.5:84-90 S-O '63. (MIRA 17:9)

1. Kafedra voyenno-morskoy i gospital'noy terapii (nachal'nik - prof. Z.M. Volynskiy) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova.

VOLYNSKIY, Zinoviy Moiseyevich; GOGIN, Yevgeniy Yevgen'yevich; SHCHERBA, M.M., red.

[Diseases of the pericardium] Zabolevaniia perikarda. Leningrad, Meditsina, 1964. 303 p. (MIRA 18:1)

VOLYNSKIY, Z.M., prof.; SIPOVSKIY, P.V., prof. [deceased]; GOGIN, Ye.Ye.; CHIGIRINSKIY, A.N.

Statistical data on the frequency of the incidence of pericardial diseases. Kardiologiia 5 no.2:45-51 Mr-Ap '65.
(MIRA 18:7)

1. Kafedra voyenno-morskoy i gospital'noy terapii (nachal'nik prof. Z.M.Volynskiy) Voyennomeditsinskoy ordena Lenina akademii imeni S.M.Kirova i kafedra patologicheskoy anatomii (zav. - prof. P.V.Sipovskiy [deceased]) Leningradskogo ordena Lenina instituta usovershenstvovaniya vrachey imeni S.M.Kirova.

GOLUBINSKAYA, A.P.; GOGIN, Yu.A.

Demonstrating the action of muscle groups. Biol. v shkole no.1: 86-87 Ja-F '62. (MIRA 15:1)

1. Gor'kovskiy pedagogicheskiy institut.
(MUSCLES)

GOGIN, Yu.A.

Some characteristics of the change in the coronary blood circulation in craniocerebral hypothermia. Nauch.dokl.vys.shkoly; biol.nauki no.4:64-70 '62. (MIRA 15:10)

1. Rekomendovana kafedroy fiziologii cheloveka i zhivotnykh Yaroslovaskogo pedagogicheskogo instituta.
(BLOOD--CIRCULATION) (HYPOTHERMIA)

L 13074-63 EWT(l)/ES(a)/ES(b)/ES(c)/ES(k)/BDS AMD/AFFTC Fb-4
A/DD

ACCESSION NR: AP3002597 S/0239/63/049/006/0744/0750

AUTHOR: Gogin, Yu. A. 61

TITLE: Change in coronary blood flow during hypothermia and circulatory bypass of the heart

SOURCE: Fiziologicheskiy zhurnal SSSR, v. 49, no. 6, 1963, 744-750

TOPIC TAGS: heart, blood, hypothermia, circulation, heart bypass, coronary blood flow, cardiac surgery, cardiac bypass

ABSTRACT: Complicated cardiac surgery generally requires a prolonged circulatory bypass of the heart and is performed under hypothermic conditions. During this period the functional activity of the myocardium largely determines the coronary blood flow condition. How are the coronary blood flow and heart affected during hypothermia? The author found little data in the literature and proceeded with his own study. Experiments were conducted on 23 dogs. Each dog was placed in a hypothermic apparatus, which cools by transforming liquid freon into vapor, and the air temperature was reduced to 8 to 10° within 20 to 25 min. Circulatory bypass of the heart was accomplished by constricting the vena cava only, or all main vessels. In the initial stage the coronary blood flow rate decreases sharply when

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ACCESSION NR: AP3002597

the temperature is reduced by 3 to 3.5°. The next drop in temperature of 4 to 5° leads to a slower and more uniform blood flow rate decrease. With deeper hypothermia the blood flow rate again decreases considerably. During the 5th to 6th min the rate comprises only 5 to 8% of the initial rate and during the 7th to 8th min blood flow in the coronary vessels stops completely. It appears that the low level of metabolism in the cardiac muscles during hypothermia helps restore heart activity even after prolonged circulatory bypass and stoppage of coronary blood flow. Orig. art. has: 3 tables and 3 figures.

ASSOCIATION: Kafedra fiziologii cheloveka i zhivotnykh Pedagogicheskogo instituta im. K. D. Ushinskogo, Yaroslavl (Department of Human and Animal Physiology, Pedagogical Institute)

SUBMITTED: 06Jun62 DATE ACQ: 12Jul63 ENCL: 00

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

Card 2/2

MIRSKIY, L.I.; GOGIN, Yu.A.; SAVOROV, V.V.

Change in the tone of cerebral and coronary vessels in hypothermia. Nauch. dokl. vys. shkoly; biol. nauki no.1:59-65 '65.
(MIRA 18:2)

1. Rekomendovana kafedroy fiziologii cheloveka i zhivotnykh Vladimirskogo pedagogicheskogo instituta.

28(2) SOV/115-59-6-11/33

AUTHOR: Gogin, Yu.N.

TITLE: An Attachment for a Mechanical Pressure Indicator

PERIODICAL: Izmeritel'naya tekhnika, 1959, Nr 6, pp 29-30 (USSR)

ABSTRACT: The mechanical pressure indicator is a very simple and reliable instrument for investigating the performance of piston engines. However, its application necessitates the stopping of the machine under investigation for changing the paper on the indicator drum. Repeated stopping and starting of the machine under investigation when recording a great number of operating conditions may complicate the investigation, especially, when certain operation conditions are required, or in case large engines are investigated where starting and stopping at short intervals is not permissible. Therefore, the author suggests a simple attachment for a mechanical pressure indicator which enables changing the paper at the recorder drum without stopping the machine under investigation. The indicator drum is driven by a cable drive. The device designed by the author is used for slackening the tension on this cable, as shown in the diagram, whereby the motion of the drum is

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An Attachment for a Mechanical Pressure Indicator

interrupted. Tests of this attachment at a compressor, whose shaft was rotating at 400 rpm, showed that the investigation could be performed considerably faster and without distortions in the recorded diagrams. There is 1 sketch.

GOGIN, Yu.N., inzh.

Relation of the degree of compression in the first stage of a two-stage compressor to the sucked-in air pressure. Izv.vys. ucheb.zav.; gor.zhur. no.10:102-106 '59. (MIRA 13:5)

1. Severo-Kavkazskiy gornometallurgicheskiy institut.
(Compressors)

GOGIN, Yu.N., inzh.

Load distribution between compressor stages with a reduced pressure of air forcing. Izv.vys.ucheb.zav.; gor.zhur. no.7:131-133 '60. (MIRA 13:7)

1. Severo-Kavkazskiy gornometallurgicheskiy institut. Rekomendova kafedroy gornoy mekhaniki.
(Air compressors)

GOGIN, Yu. N.

Compressor plant dynamics in unusual circumstances. Izv. vys. ucheb. zav.; tsvet. met. 3 no.3:21-29 '60. (MIRA 14:3)

1. Severokavkazskiy gornometallurgicheskiy institut, Kafedra gornoy mekhaniki.

(Compressors--Aerodynamics)

GOGIN, Yu. N., Cand Tech Sci -- "Dynamics of a mining compressor unit under high-altitude conditions and pressure charging." Khar'kov, 1961. (Min of Higher and Sec Spec Ed UkSSR. Khar'kov Min Inst) (KL, 8-61, 242)

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S/143/61/000/009/004/006
D224/D305

26.2124

AUTHORS: Slobodyanyuk, L. I., Candidate of Technical Sciences, and Gogin, Yu. N., Engineer

TITLE: Cooling a compressor by injection of water into a cylinder

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Energetika, no. 9, 1961, 62-65

TEXT: The author derives expressions for calculating the quantity of water necessary to inject into a cylinder to produce air compression at a given exponent of the polytropic curve. The process was checked experimentally. In the examples given cooling was from 138°C to 82°C and from 170°C to 126°C respectively which was still higher by 18°C and 20°C respectively owing to an imperfection of the injector, and insufficient pulverization of water. The quantity of water $d\alpha$ necessary to convey the quantity of heat dq' is given by

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Cooling a compressor by ...

$$d\alpha = \frac{dq'}{r} = \frac{C_v}{r} \cdot \frac{k - n}{n - 1} dT \ (1 + \alpha)$$

where r - latent heat of evaporation. Integrating, expanding $1 + \alpha$ into a series, and neglecting terms of a higher power, the quantity of water necessary to produce the desired polytropic process of cooling becomes

$$\alpha = \frac{1}{r} \cdot \frac{k-n}{k-1} AL_p + \frac{1}{2} \frac{1}{r} \cdot \frac{k - n}{k - 1} AL_p^2 \ [KG/KG] \qquad (4)$$

The work per cycle of the compressor is equal to the sum of work of compression, delivery and suction,

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Cooling a compressor by ...

$$L_c = \frac{r}{A} \cdot \frac{k-1}{k-n}\alpha + RT_1 \left[\left(\frac{p_2}{p_1} \right)^{\frac{n-1}{n}} (1+\alpha) - 1 \right] \qquad (5)$$

The author states that the relation between temperature and pressure of the air with the injection of water is the same as in an ordinary polytropic process. The change of temperature for various values of u (various quantities of water) is given by

$$T_2 = T_1 \left(\frac{p_2}{p_1} \right)^{\frac{n-1}{n}}$$

In conclusion, the author states that the injection of water into a compressor cylinder is an effective method of lowering the air

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Cooling a compressor by ...

temperature. The disadvantage is the need to carry away moisture from the pressure water pipes by installing automatic water separators. The compressed air is usually forced (with long pipes and full air cooling) with humidity $\varphi = 1.0$, so that an injection of water cannot increase it. There are 2 figures and 1 table.

ASSOCIATION: Problemnaya laboratoriya promenergetiki Voroshilovskogo gornometallurgicheskogo instituta (Experimental Laboratory of Industrial Energetics of the Voroshilov Mining and Metallurgical Institute)

SUBMITTED: June 3, 1960

X

GOGIN, Yu.N., inzh.

Approximate relationships for water vapor on the saturation line. Izv.vys.ucheb.zav.; energ. 4 no.9:83-84 S '61. (MIRA 14:10)

1. Voroshilovskiy gornometallurgicheskiy institut. Predstavlena kafedroy gornoy elektromekhaniki.
(Water vapor) (Heat--Transmission)

GOGIN, Yu.N., kand. tekhn. nauk

Injection of water into the suction pipeline of a compressor. Izv. vys. ucheb. zav.; energ. 6 no.11:69-75 N'63. (MIRA 17:2)

1. Kommunarskiy gornometallurgicheskiy institut. Predstavlena kafedroy elektromekhaniki.

GOGIN, Yu.N., kand.tekhn.nauk; KUTKOVSKIY, Yu.A., inzh.

Effect of an intake pipeline on the operation of a piston-type compressor. Prom. energ. 18 no.9:23-27 S '63. (MIRA 16:10)

RUTKOVSKIY, Yu.A., inzh.; OGGIN, Yu.N., kand. tekhn. nauk

Effect of the dimensions of the intake pipe on the operation of piston compressors. Prom. energ. 20 no.5:18-22 My '65. (MIRA 18:7)

GOGINA, L.; GOGIN, N.

Incompatible substances. Posh.delo 3 no.5:9 My '57. (MLRA 10:7)
(Chemicals--Safety measures)

BEL'TYUKOVA, A.A., dotsent; GOGINA, N.D., ordinator

Treatment of tuberculosis of the eyes with antibiotics and with new drugs. Pat.,klin.i terap.tub. no.8:218-221 '58.
(MIRA 13:7)

1. Iz glaznoy kliniki (zav. - prof. A.M. Rodigina) L'vovskogo meditsinskogo instituta.

(EYE--TUBERCULOSIS) (STREPTOMYCIN)
(ISONICOTINIC ACID) (SALICYLIC ACID) (SANASINE)

3(4, 5) SOV/151-59-8-4/24

AUTHOR: Gogina, N. I.

TITLE: Analysis of Physical and Geographical Conditions for the Interpretation of Air Photographs in the Geological Mapping of East Siberia

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Geologiya i razvedka, 1959, Nr 8, pp 27-36 (USSR)

ABSTRACT: Since East Siberia is almost entirely covered with woods the air photographs do not directly show the elements of geological structure. Therefore indirect characteristics must be used for their determination. They may be found by investigating the relationships between the individual landscape components and geological structure. This is a complicated task. Methods concerning this subject are weakly developed. The author chose for her investigations an area in the catchment area of the Markha river, (north-west of the Yakutskaya ASSR). Here, the landscape is manifold and the geological structure is complicated. The relief is typical of wide areas of Central Siberia. The regions of the water divides are flattened, river valleys are cut deeply (to 250 m), their slopes are steep. Figure 1

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Analysis of Physical and Geographical Conditions for the Interpretation of Air Photographs in the Geological Mapping of East Siberia

shows a trap-platform and a river valley in Paleozoic limestones. The characteristics for the determination connected with the relief are the following: the areas of the Paleozoic carbonate rocks are characterized by a hilly platform relief with smooth, often step-like slopes. A flat plain with a hardly marked valley system developed on sandy-loamy Mesozoic layers. As a rule, traps form structured plateaus (Fig 1). However, there are numerous exceptions. Apparently, the properties of the substratum are determined by the geological structure. Only on the substratum the surface is formed by a complex of exogenous processes. In this connection the resistance of the rocks to various denudation agents is of special importance. In the mentioned area erosion is the most important relief forming process. Various valley forms are discussed according to the rocks. The resistance of the rocks to weathering processes is also important. In the interstream areas outside the river valley processes of surface denudation prevail. The soils bound by permafrost favor

Analysis of Physical and Geographical Conditions for the Interpretation of Air Photographs in the Geological Mapping of East Siberia

the conservation of old relief forms. The occurrence of fossile ice leads to the formation of thermo-karst-troughs. The author recommends a certain order in carrying out the determinations. The use of vegetation for this purpose is more complicated since the geological structure exercises an indirect influence. In the area investigated the plant cover is exceptionally unstable in spite of the fact that a thin swamped taiga of larches (Larix dahurica) widely prevails. The differences in the plant cover become manifest in the change of thickness and height of the trees. In almost every air photograph banded, spotted, alveolar, sometimes annular groups of plants become visible. The mother rocks influence the plant cover by the composition of the soil horizons and by enriching the soil with chemical elements. The lithological composition plays an important part in soil formation. The relief also influences vegetation (Fig 2). It reacts sensitively to bends and flatter places of the slopes (Figs 3, 4). The above rules are illustrated by examples (Figs 5, 6). There are 6 figures.

SOV/151-59-8-4/24

Analysis of Physical and Geographical Conditions for the Interpretation of Air Photographs in the Geological Mapping of East Siberia

ASSOCIATION: Moskovskiy gosudarstvennyy universitet
(Moscow State University)

Card 4/4

GOGINA, N.I.; IZRAILEV, L.M.; LEONOV, B.N.

New data on the nature of boundary between Middle and Upper Cambrian sediments in the northeastern part of the Siberian Platform. Trudy VAGT no.8:16-20 '62. (MIRA 15:11)
(Siberian Platform--Geology, Stratigraphic)

MEL'NIKOVA, A.S.; GOGINA, Ye.A.; NIKITINA, G.P.; MOROZOVA, R.I.

Stratigraphy and lithology of Carboniferous sediments in Volgograd Province. Trudy VNIING no.1:39-90 '62. (MIRA 16:10)

GOGINA, Ye.Ye.

Ecological and morphological features of Bromus adjaricus S. et L. and Bromus variegatus MB. Biul.MOIP.Otd.biol. 59 no.6:55-59 N-D '54. (MLRA 8:2)
(Brome grass)

GOGINA, Ye. Ye. Cand Biol Sci -- (diss) "Distribution of vegetable bulk in certain associations of high-altitude meadows of South Ossetiya." Tbilisi, 1959. 35 pp; 1 sheet of tables (South Ossetian Mountain and Meadow Hospital. Acad Sci USSR), 100 copies (KL, 48-59, 114)

GOGINA, Ye.Ye.

Seed reproduction of some dominant species in the Alpine meadows of southern Ossetia. Bot.zhur. 45 no.1:131-139 Ja '60. (MIRA 13:5)

1. Botanicheskiy institut im. V.L.Komarova Akademii nauk SSSR, Leningrad.
(Ossetia--Pastures and meadows)

GOGINA, Ye.Ye.

Seed productivity of some dominant plant species in the alpine meadows of southern Ossetia. Bot. zhur. 45 no.9:1330-1336 S '60.
(MIRA 13:9)

1. Botanicheskiy institut im. V.L.Komarova Akademii nauk SSSR, Leningrad.
(Ossetia--Pastures and meadows) (Seed production)