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USSR/Electronics - Transmitters

Card 1/1 : Pub. 90-3/14

Author : Agafonov, B. S.

Title : Plate modulation

Periodical : Radiotekhnika 9, 18-28, Sep/Oct 1954

Abstract : The author demonstrates that plate modulation of triode oscillators is possible under not only overdriven but also underdriven operating conditions with a number of modern triode power oscillators having tungsten or carbide cathodes; discusses the operation of triodes 833, 889, 891, 893, and G-417; and gives tables of data for triodes 880, GU-12A, and 7S24. He thanks A. I. Berg for comments on the work. Three references: USSR (1932, 1950, 1953). Graphs, table.

Institution :

Submitted : October 16, 1953

AGAFONOV, B.S.; SHAMSHUR, V.I., redaktor; DIKAREVA, A.I., redaktor; KORUZEV, N.N., tekhnicheskiy redaktor.

[Theory and design of radiotelephonic circuits for generator tubes] Teoriia i raschet radiotelefonnykh reshimov generatornykh lamp. Moskva, Izd-vo "Sovetskoe radio," 1955. 547 p. [Microfilm](MLRA 8:5) (Oscillators, Electron-tube)

AGAFONOV, Boris Sevast'yanovich; TIMOFEYEV, V.M., red.; LARIONOV, G.Ye., tekhn. red.

[Calculation of the operating conditions of transmitting tubes] Raschet ekspluatatsionnykh rezhimov generatornykh lamp. Moskva, Gosenergoizdat, 1962. 223 p. (MIRA 16:3)
(Electron tubes)
(Radio—Transmitters and transmission)

AGAFONOV, B.S., kand.tekhn.nauk

"Transistor diodes and triodes." Reviewed by B.S.Agafonov. Vest. sviazi 23 no.2:p.3 of cover F '63. (MIRA 16:2)
(Transistors)

L 10478-67 EWT(d)/EWT(l)/EWT(m)/EWP(w)/EWP(v)/EWP(k) IJP(c) WW/EM

ACC NR: AP6035734 SOURCE CODE: UR/0413/66/000/019/0097/0097

AUTHOR: Kaplan, V. I.; Druy, M. G.; Libkind, B. N.; Agafonov, B. S.

41

ORG: none

TITLE: Exhaust system. Class 42, No. 186743

SOURCE: Izobreteniya, promyshlennyy obraztsy, tovarnyye znaki, no. 19, 1966, 97

TOPIC TAGS: engine test stand, exhaust gas removal system, rocket test facility

ABSTRACT: The proposed exhaust system for testing engines contains a shaft, a gas collector with an outlet, and a gas line which is connected to the gas collector outlet and to the shaft. The exhaust gases from the test engine nozzle are fed into the gas collector. To test engines with exhaust in the vertical direction, the outlet is mounted under the gas collector and is made in the form of concentric bends, arranged one inside another.

SUB CODE: 21/ SUBM DATE: 07May64/ ATD PRESS: 5103

Card 1/1 UDC: 621.43.06

AGAFONOV, F.A.(Moskva)

Prevention and therapy of recurrent thyrotoxicoses. Prob. endokr. i gorm. Moskva 1 no.3:22-24 My-Je '55; (MLRA 8:10)

1. Iz khirurgicheskogo otdeleniya (zav.-prof. O.V.Nikolayev) Vsesoyuznogo instituta eksperimental'noy endokrinologii (dir.-prof. Ye.A. Vasyukova)
(HYPERTHYROIDISM,
recur.,prev. & ther.)

AGAFONOV F.A.

AGAFONOV, F.A. (Moskva)

Use of the adrenocorticotropic hormone following excision of an adrenal tumor. Probl.endokr. i gorm. 1 no.4:48-53 Jl-Ag '55. (MLRA 8:10)

1. Iz khirurgicheskogo otdeleniya (zav.-prof. O.V.Nikolayev) kliniki Vsesoyuznogo instituta eksperimental'noy endokrinologii dir. prof. Ye.A. Vasyukova)

(ADRENAL GLANDS, neoplasms, surg. postop. ACTH Ther.)

(ACTH, therapeutic use, postop.after adrenal tumor excis.)

AGAFONOV, F.A. (Moskva)

Malignant tumors of the thyroid based on material from the clinic of the All-Union Institute of Experimental Endocrinology. Probl.endok. i gorm. 1 no.6:25-29 N-D '55. (MIRA 12:8)

1. Iz khirurgicheskogo otdeleniya (zav. - prof.O.V.Nikolayev) kliniki Vsesoyuznogo Instituta eksperimentalnoy endokrinologii (dir. - prof.Ye.A.Vasyukova).

(THYROID GLAND, neoplasms, hosp. statist.)

AGAFONOV, F. A.

NIKOLAYEV, O.V., professor (Moskva); AGAFONOV, F.A. (Moskva)

Late results of surgical treatment of patients with primary thyrotoxic diffuse goiter [with summary in English, p.126 Mr-Ap '57. (MIRA 10:10)

1. Iz Vsesoyuznogo instituta eksperimental'noy endokrinologii (dir. - prof. Ye.A.Vasyukova).

(HYPERTHYROIDISM, surg.
remote results (Rus))

EXCERPTA MEDICA Sec 9 Vol 13/4 Surgery Apr 59

1821. FOLLOW-UP RESULTS OF THE SURGICAL TREATMENT OF PATIENTS WITH PRIMARY THYROTOXIC DIFFUSE GOITRE (Russian text) - Nikolaev O. V. and Agafonov F. A. All Union Inst. of Exp. Endocr., Moscow - PROBL. ENDOKR. 1957, 2 (65-71) Tables 6

Follow-up results, obtained 3-20 yr. after therapeutic surgery on 669 patients, are submitted. All had undergone partial resection of the thyroid gland. Out of 669 patients 574 were found to be practically fully recovered; various accompanying diseases, bearing no connection with thyrotoxicosis or surgery, were discovered in 55 patients; 96.5% of patients were found to be fit for work. Relapses of thyrotoxicosis were observed in less than 0.7% of patients. Other complications were: 1 case of hypoparathyroidism and 3 cases of hypothyroidism requiring treatment with thyroidin.

Lekishvili - Leningrad (S)

AGAFONOV, F.A.

Use of ganglion-blocking agents (diprazine and dinezin) in surgery of the thyroid gland for thyreotoxicosis under local anesthesia with a 0.5 per cent novocaine solution [with summary in English] Probl. endok. i gorm 4 no.4:104-106 Jl-Ag '58 (MIRA 11:10)

1. Iz khirurgicheskogo otdeleniya (zav. - prof. O.V. Nikolayev) kliniki Vsesoyuznogo instituta eksperimental'noy endokrinologii (dir. - prof. Ye.A. Vasyukova).

(HYPERTHYROIDISM, surg.
preop. admin. of 10-(2-dimethylamino-2-methylethyl) phenothiazine & diethazine with local procaine anesth. (Rus))
(PHENOTHIAZINE, related cpds.
10-(2-dimethylamino-2-methylethyl)phenothizine & preop. admin. in hyperthyroidism surg. with local procaine anesth. (Rus))
(ANETHESIA, LOCAL,
in hyperthyroidism surg., preop. admin of 10-(2-dimethylamino-2-methylethyl) phenothiazine & diethazine (Rus))
(MUSCLE RELAXANTS, ther. use
diethazine premedication in thyroid surg. (Rus))

AGAFONOV, F.A., starshiy nauchnyy sotrudnik

Pancreatitis. Med.sestra 19 no.2:18-23 F '60. (MIRA 13:5)

1. Iz kliniki Vsesoyuznogo instituta eksperimental'noy endokrinologii, Moskva.

(PANCREAS--DISEASES)

AGAFONOV, F.A.

Etiology, pathogenesis, and surgical treatment of malignant tumors of the thyroid gland. Khirurgiia 36 no. 5:30-35 My '60. (MIRA 14:1)

(THYROID GLAND--CANCER)

AGAFONOV, F.A., kand.med.nauk

Causes of recurrent goiter, features of the operation, and prevention. Khirurgiia 37 no.5:88-93 My '61. (MIRA 14:5)

1. Iz khirurgicheskogo otdeleniya (zav. - prof. O.V. Nikolayev) kliniki Vsesoyuznogo instituta eksperimental'noy endokrinologii.
(GOITER)

AGAFONOV, G.L.

Analytic study of some properties of a quartic curve. Dokl. na nauch. konf. 1 no.3:25-29 '62. (MIRA 16:8)
(Curves, Quartic)

AGAFONOV, G.Ye., inzh.

Synchronization circuit for testing high-voltage apparatus using a two-frequency synthetic network. Vest. elektroprom. 34 no.2:50-54 F '63. (MIRA 16:2)
(Electric switchgear) (Electric machinery)

AGAFONOV, G.Ye., inzh.; VOLOVIK, O.B., inzh.

Calculation of overvoltages in testing commutational capabilities of high-voltage apparatus with step-up transformers. Elektrotekhnika 34 no.10:37-41 O '63. (MIRA 16:11)

ANDREYEV, A.; AGAFONOV, I.

Hydrolysis alcohol and forage yeast manufactured from other than food materials. Plan. khoz. 41 no.1:63-65 Ja '64. (MIRA 17:2)

1. Nachal'nik tekhnologicheskogo otdela Gosudarstvennogo instituta po proyektirovaniyu predpriyatiy gidroliznoy promyshlennosti (for Andreyev). 2. Starshiy inzh. planovogo otdela Gosudarstvennogo instituta po proyektirovaniyu predpriyatiy gidroliznoy promyshlennosti (for Agafonov).

AGAFONOV, I.B.; AGAFONOV, S.B.

Universal pull-type snowplow. Sel'khozmashina no.11:26 N '56.
(Snowplows) (MLRA 9:12)

AGAFONOV, I. (g. Murmansk)

Life demands it. Okhr.truda i sots.strakh. no.8:36-39 Ag '59.
(MIRA 12:11)

1. Spetsial'nyy korrespondent zhurnala "Okhrana truda i sotsial'noye strakhovaniye."
(Murmansk--Fisheries--Hygienic aspects)

KRYLOV, V.F.; GORBACHEV, D.T.; AGAFONOV, I.G.; FALALEYEV, L.A.

Mining 1,000 tons of coal in one day in the Kuznetsk Basin with the OMKU complex. Ugol' 39 no.6:12-14 Je'64 (MIRA 17:7)

1. Kombinat ugol'nykh predpriyatiy Kuznetskogo kamennougol'nogo basseyna (for Krylov). 2. Kombinat ugol'nykh predpriyatiy Kemerovskogo rayona, Kuzbass (for Gorbachev). 3. Shakhta "Promyshlenskaya" Kombinata ugol'nykh predpriyatiy Kemerovskogo rayona, Kuzbass (for Agafonov, Falaleyev).

GORBACHEV, P.T.; AGAFONOV, I.G.

Using the CMKT and CMKU mechanized complexes in various conditions of mining geology. Ugol' 40 no.5:55-57 My '65. (MIRA 18:6)

1. Glavnyy inzh. tresta Kemerovougol' (for Gorbachev). 2. Glavnyy inzh. shakhty "Proryvskaya" tresta Kemerovougol' (for Agafonov).

AGAFONOV, I.I.; ZABIRKO, I.I.

Summing up the results of the agricultural work of students. Politekh. obuch. no.4:50-55 Ap '58. (MIRA 11:3)
(Agriculture--Study and teaching)

AGAFONOV, I. L.

U

(3)

Temperature dependence of the dissociation constants of electrolytes. II. First and second dissociation constants of arsenic acid. A. L. Agafonova and I. L. Agafonov (A. A. Zhdanov Polytech. Inst., Gorki). *Zhur. Fiz. Khim.* 27, 1137–44(1953); cf. *C.A.* 45, 2283c.—The 1st (k_1) and 2nd (k_2) dissocn. consts. of H_3AsO_4 were detd. potentiometrically at 5° temp. intervals between 0 and 50°. Solns. contg. $Na_4As_2O_7$ and HCl in molar ratio 1:3 in 0 concns. and 1:1.45 in 0 concns. were used for k_1 and k_2, resp. Exptl. data, as well as calcd. values of k_1, k_2, ΔF, ΔH, Δc_p, and ΔS are shown in tables and graphs. The const. k_1 is 0.00805, 0.00598, and 0.00380 at 0, 25, and 50°, resp.; k_2 is 0.883×10^{-7}, 1.047×10^{-7}, and 1.048×10^{-7} at 0, 25, and 50°, resp. The temp. dependence of k_1 and k_2 is given by the equations $\log k_1 = -2.014 - 5 \times 10^{-5} (t - 40.0)^2$ and $\log k_2 = -6.971 - 5 \times 10^{-4} (t - 39.4)^2$, where t is the temp.

J. W. Lowberg, Jr.

11/19/54

USSR/Chemistry - Analytical chemistry

Card 1/1 Pub. 147 - 20/26

Authors : Agafonov, I. L.; Agafonova, A.L; and Shcherbakov, I. G.

Title : Complex formation studied by the electrical conductivity method. About Cu-complexes in the $CuSO_4$-$Na_4P_2O_7$-H_2O system.

Periodical : Zhur. Fiz. khim. 28/1, 147-160, Jan 1954

Abstract : The specific electrical conductivity of mixed aqueous $CuSO_4$ and $Na_4P_2O_7$ solutions was investigated at temperatures and concentrations applicable in galvanostegy. The complex formation of $Na_6Cu(P_2O_7)_2$ in a relatively concentrated sodium pyrophosphate solution during the addition of $CuSO_4$ to that solution was established. Further addition of $CuSO_4$ resulted in the formation of less soluble residue of the complex $Na_2Cu_3(P_2O_7)_2$ compound which consequently converted into $Cu_2P_2O_7$. It is evident from the above mentioned results that the measurment of the electrical conductivity of aqueous solutions of inorganic salts, carried out within temperature and concentration limits in which the formation of complex compounds can be expected, is an effective physico-chemical analysis method. Twelve references : 6-USSR; 3-USA; 2-German and 1-English (1848-1951). Tables; graphs.

Institution : The A. A. Zhdanov Polytechnicum, Gorkiy

Submitted : April 14, 1953

USSR/Chemistry - Polarization

Card 1/1

Author : Shcherbakov, I. G., and Agafonov, I. L.

Title : Cathode polarization during separation of copper from pyrophosphate solutions

Periodical : Zhur. Fiz. Khim., 28, Ed. 5, 865 - 872, May 1954

Abstract : The type of cathode polarization during copper separation from pyrophosphate solutions was determined by the temperature effect on the rate of electrolysis. Polarization depends upon the complex anion concentration in the solution and decreases with the increase of the latter. The concentration of the $P_2O_7^{4-}$ ion exerts a small reversible effect, its increase is followed by a slight increase in polarization. The temperature effect is analogous to the effect of the complex ion concentration. Ten USSR references. Table, graphs, drawing.

Institution : The A. A. Zhdanov Polytechnical Institute, Gorky

Submitted : Sept. 10, 1953

AGAFONOV, I. L.

USSR/Scientists - Electrochemistry

Card 1/1 Pub. 147 - 27/27

Authors : Agafonov, I. L.; Pavlov, N. E.; and Tikhomirov, M. N.

Title : Ivan Grigoryevich Shcherbakov

Periodical : Zhur. fiz. khim. 28/9, 1707-1712, Sep 1954

Abstract : An eulogy honoring the death of I. G. Shcherbakov (1891-1953), famous Soviet electrochemist, is presented. List of major works by I. G. Shcherbakov is included.

Institution : ...

Submitted : ...

AGAFONOV, I. L.

"Investigation of Copper Pyrophosphate Solutions Having Significance in Galvanotechnology." Min Higher Education USSR, Moscow Order of Lenin Chemicotechnological Inst imeni D. I. Mendeleyev, Gor'-kiy-Moscow, 1955 (Dissertation for the Degree of Candidate of Technical Sciences)

SO: Knizhnaya Letopis', No. 32 6 Aug 55

AGAFONOV, I.L.

On E.A.Ukshe and A.I.Levin's article "Composition and properties of a complex electrolyte in a copper-pyrophosphate bath." Zhur.ob.khim. 25 no.6:1231-1233 Je'55. (MLRA 8:12)

1. Gor'kovskiy politekhnicheskiy institut
(Electrolytes)(Ukshe,E.A.) (Levin,A.I.)

5(4)
AUTHOR: Agafonov, I. L.

SOV/78-4-6-9/44

TITLE: The Interrelation Between the Magnitude of the Relative Electronegativity and Atomic Refraction (Vzaimosvyaz' velichin otnositel'noy elektrootritsatel'nosti i atomnoy refraktsii)

PERIODICAL: Zhurnal neorganicheskoy khimii, 1959, Vol 4, Nr 6, pp 1270-1276 (USSR)

ABSTRACT: The empiric equations for the interrelation between the magnitude of the relative electronegativity and the atomic refraction are suggested. Equation (1):

$$x = \frac{3}{4} - \frac{1}{4} n \log \frac{R}{75.5}, \qquad (1)$$

(x - relative electronegativity according to Pauling; n - number of the valence electrons; 75.5 - empiric coefficient, equal to the atomic refraction of francium; $\frac{3}{4}$ - relative electronegativity of francium). The dependence of the relative electronegativity of the element of $n \log \frac{R}{R_{Fr}}$ is given in figure 2. The comparison of the relative electronegativity according to reference 9 with that for metals of the seventh and eighth group computed according to equation (1) is given

Card 1/3

The Interrelation Between the Magnitude of the Relative Electronegativity and Atomic Refraction

in table 1. The comparison of the relative electronegativity according to reference 9 with that computed according to equation (2) for the elements of the groups 1b and 7b is given in table 2. Equation (2) runs as follows: $x = 1 - \frac{1}{4} n \log \frac{R}{R_{Fr}}$.

The dependence of the atomic volume of the metals on their atomic refraction was confirmed. The relative electronegativity and the approximate values of the atomic refraction can be computed by the equations 3 - 6:

$$x_1 = n \log\left(\sqrt[n]{10} \cdot \sqrt{\frac{R_{Fr}}{R}}\right) \quad (3)$$

$$R = R_{Fr} \sqrt[n]{10^{(3-3x_1)}} \quad (4)$$

$$x_1 = n \log\left(\sqrt[3n]{10^4} \cdot \sqrt[3]{\frac{R_{Fr}}{R}}\right) ; \quad (5)$$

$$R = R_{Fr} \sqrt[n]{10^{(4-3x_1)}} \quad (6)$$

The approximate values of the atomic refraction of several elements (Fr, Ra, Pa, Pm, Po, At) were determined. There are 1 figure, 2 tables, and 18 references, 8 of which are Soviet.

Card 2/3

S/081/62/000/006/009/117
B166/B101

AUTHORS: Agafonov, I. L., Kukavadze, G. M., Borisov, G. K., Orlov, V. Yu.

TITLE: Mass spectra of monosilane and monogermane

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 6, 1962, 16, abstract 6B76 (Tr. po khimii i khim. tekhnol. (Gor'kiy), no. 2, 1961, 227 - 229)

TEXT: The mass spectrum of monosilane SiH_4 was taken and calculated for the monoisotopic spectrum. The intensities of the ion currents of SiH_4^+, SiH_3^+, SiH_2^+, SiH^+, and Si^+ are in the ratio of 0.4 : 73.5 : 100 : 26.5 :25.8 (for the MC-4(MS-4) instrument). Using these data as well as data on the monoisotopic mass spectra of CH_4 and GeH_4 as a basis the authors confirm the rule that there is an increase in the probability of dissociation with an increase in mass of the molecule. It is concluded that the law according to which ions, obtained when an odd number of hydrogen atoms is lost, are

Card 1/2

Mass spectra of monosilane and monogermane

formed in a relatively large quantity during dissociation cannot be extended to the aforesaid compounds (CH_4, SiH_4, and GeH_4). [Abstracter's note: Complete translation.]

L 13508-63 EDS
ACCESSION NR: AP3003468 S/0078/63/008/007/1555/1558

AUTHOR: Agafonov, I. L.; Devyaty*kh, G. G.; Larin, N. V.

TITLE: Mass-spectra of silicon tetrachloride

SOURCE: Zhurnal neorganicheskoy khimii, v. 8, no. 7, 1963, 1555-1558

TOPIC TAGS: mass-spectrum, silicon tetrachloride, 1305 mass-spectrometer

ABSTRACT: The authors wanted to get more complete mass-spectra of silicon tetrachloride inasmuch as this data is only partially described in existent literature. The mass-spectra were taken on a MI-1305 mass-spectrometer. This apparatus is shown in a sketch. The mass-spectra which were obtained are given in a table. Data obtained by the authors differs greatly with data obtained by Sokolov, Andrianov and Akimov (Zh. obshch, khimii, 25, 1955, 675). Authors show that computed ratios among various isotropic variations of the ions are in close agreement with experimental data. The small deviations have a uniform character. In all of the experimental cases examined, the ratio of the values, corresponding to the odd mass numbers, is larger and the ratio of the values, corresponding to the even mass numbers, to the values for odd masses is smaller. Orig. art. has: 3 tables and 1 figure.

Card 1/1 Scientific Research Inst. for Chemistry

AGAFONOV, I.I.; LARIN, N.V.

Cleavage of silicic acid esters under the effect of electronic impact. Zhur. ob. khim. 33 no.8:2626-2631 Ag '63. (MIRA 16:11)

1. Gor'kovskiy gosudarstvennyy universitet.

LARIN, N.V.; DEVYATYKH, G.G.; AGAFONOV, I.L.

Mass spectra of phosphine and arsine. Zhur.neorg.khim. 9 no.1:205-207 Ja '64. (MIRA 17:2)

1. Gor'kovskiy gosudarstvennyy universitet imeni Lobachevskogo.

AGAFONOV, I. L.

The Second All-Union Conference on the Preparation and Analysis of High-Purity Elements, held on 24-28 December 1963 at Gorky State University im. N. I. Lobachevskiy, was sponsored by the Institute of Chemistry of the Gorky State University, the Physicochemical and Technological Department for Inorganic Materials of the Academy of Sciences USSR, and the Gorky Section of the All-Union Chemical Society im. D. I. Mendeleyev. The opening address was made by Academician N. M. Zhavoronkov. Some 90 papers were presented, among them the following:

N. V. Larin, G. G. Devyatykh, and I. L. Agafonov — a spectrochemical — and A. D. Zorin and A. M. Amel'chenko — a chromatographic control method of Si purification by determination of extraneous volatile hydrides in monosilane.

(Zhur Anal. Khim, 19, No.6, 1964 p.777-79)

ACCESSION NR: AP4019519 S/0076/64/038/002/0356/0360

AUTHORS: Agafonov, I.L. (Gor'kiy); Agafonova, A.L. (Gor'kiy)

TITLE: Interrelation of atomic and molecular refraction and total ionization

SOURCE: Zhurnal fizicheskoy khimii, v. 38, no. 2, 1964, 356-360

TOPIC TAGS: atomic refraction, molecular refraction, total ionization, butane, ionization cross section

ABSTRACT: Starting with a definition of total ionization, s_i, as a relation of total intensity of all mass spectrum lines to the pressure of the same substance in the release system, the authors find that different instruments differ in their readings. Therefore, they suggest taking s_i for n-butane as unity and expressing the s_i values for other substances in relation to unity. Earlier they have observed a dependence of the relative electric negativity on atomic refraction and arrived at the conclusion that there should be a relationship between the atomic (or molar - in case of compounds) refraction and the capacity of atoms or molecules to be positively

1/2

Card

ACCESSION NR: AP4019519

ionized under the action of an electron impact. Cases of total ionization and ionization cross sections against atomic and molecular refraction are reviewed and approximation equations for this dependence are derived. In the cases discussed it is possible to determine the ionization cross section as a result of an electron impact with an average accuracy of 8 and 13%, in the first and second case, respectively. For a number of substances, total ionization can be determined with an accuracy of 7.7 - 4.7%. "Gratitude is expressed to Prof. G.G.Devyatykh for the attention he paid to this work. Data contained in an extensive table for 38 substances were the result of cooperation with N.V. Larin." Orig. art. has: 8 formulas, 1 table.

ASSOCIATION: Nauchno issledovated'skiy institut khimii pri Gor'kovskom gosud.universitete im. N.I. Lobachevskogo (Scientific Research Inst. of Chem., Gor'kiy State University)

SUBMITTED: 24Jan63 DATE ACQ: 31Mar64 ENCL: 00

SUB CODE:GP NR REF SOV: 004 OTHER: 007

AGAFONOV, I.L.; DEVYATYKH, G.G.; FROLOV, I.A.; LARIN, N.V.

Mas spectrum of monogermane. Zhur. fiz. khim. 36 no.6:1367-1368 Je '62 (MIRA 17:7)

1. Gor'kovskiy universitet imeni Lobachevskogo.

AGAFONOV, I.I.; AGAFONOVA, A.L.

Interrelation between atomic and molecular refraction and complete ionization. Zhur. fiz. khim. 38 no.2:356-360 F '64. (MIRA 17:8)

1. Nauchno-issledovatel'skiy institut khimii pri Gor'kovskom gosudarstvennom universitete imeni N.I. Lobachevskogo.

UMILIN, V.A.; AGAFONOV, I.L.; KORNEV, L.N.; DEVYATYKH, G.G.

Mass spectra of a selenium-sulfur mixture. Zhur. neorg. khim. 9 no.10:2492-2493 O '64.

(MIRA 17:12)

OVCHINNIKOV, K.M.; MOROZOVSKAYA, M.I.; TISHCHENKO, O.D.; DEMCHENKO, I.A., direktor; NADTOCHIY, S.S.; GORELYSHEVA, I.I.; BEL'SKAYA, M.K.; KONTOROVSKAYA, T.M.; BELYY, Ya.M., zaveduyushchiy; DEHEVENKO, V.I.; SHEVCHUK, M.K., zaveduyushchiy; D'YACHENKO, V.I.; SAKOVICH, V.K.; AGAFONOV, I.N., zaveduyushchiy; BESFAMIL'-NAYA, P.S.

Prognosis of malarial incidence of a locality and organization of antimalarial measures in the zone of the future Kakhovka reservoir. Med.paraz. i paraz.bol. no.2:109-116 Mr-Ap '53. (MLRA 6:6)

1. Ukrainskiy institut malyarii i meditsinskoy parazitologii imeni professora Rubashkina (for Demchenko). 2. Zaporozhskaya oblastnaya protivomalyariynaya stantsiya (for Belyy). 3. Dnepropetrovskaya oblastnaya protivomalyariynaya stantsiya (for Shevchuk). 4. Khersonskaya oblastnaya protivomalyariynaya stantsiya (for Agafonov).

(Kakhovka reservoir region--Malarial fever)
(Malarial fever--Kakhovka reservoir region)

AGAFONOV, I.N.

MOROZOVSKAYA, M.I.; TISHCHENKO, O.D.; DEMCHENKO, I.A.; GORELYSHEVA, I.I.; BEL'SKAYA, M.K.; YEVLAKHOVA, V.F.; AGAFONOV, I.N.; BESFAMIL'NAYA, P.S.; CHERNENKO, Yu.P.

Antimalarial measures in the construction zone of the Kakhovka Hydroelectric Power Station. Med.paraz.i paraz.bol. no.1:61-66 Ja-Mr '54. (MLRA 7:3)

1. Iz Ukrainskogo nauchno-issledovatel'skogo instituta malyarii i meditsinskoy parazitologii im. professora V.Ya.Rubashkina (direktor instituta I.V.Demchenko) i Khersonskoy oblastnoy protivomalyariynoy stantsii (zaveduyushchiy stantsiyey I.A.Agafonov).
(Kakhovka region--Malarial fever)
(Malarial fever--Kakhovka region)

AGAFONOV, I.P., inzh.

Performance of oil centrifuge inserts. Trakt.i sel'khozmash. 31 no.9:12-14 S '61. (MIRA 14:10)

1. Minskiy traktornyy zavod.
(Lubrication and lubricants)

AGAFONOV, I.P.

"The Scientific Basis of a System of Introducing Agriculture into a Region (on the Example of the Kolkhozes of teh Toguchinsk Region of Novosibirskaya Oblast)";
dissertation for the degree of Candidate of Economic Sciences
(awarded by the Timiryazev Agricultural Academy, 1962)

(Izvestiya Timiryazevskoy Sel'skokhozyaystvennoy Akademii, Moscow, No. 2, 1963, pp 232-236)

AGAFONOV, I.V. (Leningrad P-61, ul.Skorokhodova, d.32, kv.45)

Surgical treatment of pulmonary hemorrhages. Grud.khir. 4 no.6:72-76 N-D'62. (MIRA 16:10)

1. Iz kafedry farul'tetskoy khirurgii (zav. - prof. V.I. Kolesov) i kafedry legochnogo tuberkuleza (zav. - prof. A.Ya. TSigel'nik) I Leningradskogo meditsinskogo instituta imeni akademika I.P.Pavlova.
(LUNGS—SURGERY) (HEMORRHAGE)

AGAFONOV, K., arkhitektor

The Far North needs its own construction industry base. Zhil. stroi. no.12:13-14 '61. (MIRA 15:2)
(Russia, Northern--Construction industry)

AGAFONOV, K.N., inzh.; PUCHKOVSKIY, N.V., inzh.

House built of plastic materials. Biul. tekh. inform. po stroi. 5 no.5:7-9 My '59. (MIRA 12:8)
(Plastics) (Architecture, Domestic)

AGAFONOV, K.N.; KRUPITSA, K.K., otv. red.; RUZHZHE, V.L., red.; TOKAREVA, K.A., red.

[Some problems of housing construction in the Far North]Nekotorye voprosy zhilishchnogo stroitel'stva na Krainem Severe. Krasnoiarsk, Naucnno-issl. in-t po stroitel'stvu, 1962. 90 p. (MIRA 16:4)

(Russia, Northern—Apartment houses)
(Building—Cold weather conditions)

AGAFONOV, L., inzhener.

Standard plan for a shop producing reinforced concrete elements for precast bridges. Zhil.-kom. khoz. 7 no.2:25-26 '57.
(Concrete plants) (Bridges, Concrete) (MLRA 10:4)

AGAFONOV, L., inzh.

Standard plan for the streetcar depot and repair shops designed to maintain 50 to 100 cars. Zhil.-kom. khoz. 8 no.2:27-28 '58. (MIRA 11:2)

(Streetcars--Maintenance and repair)

AGAFONOV, L.

With the stamp of the Voronezh Plant. Za rul. 17 no.3:4 Mr '59. (MIRA 12:5)
(Voronezh--Traffic signs and signals)

AGAFONOV, M.I.

[Utilization of railroad cars in winter] Ekspluatatsiia vagonnogo khoziaistva zimoi. Izd. 4., ispr. Moskva, Transzheldorizdat, 1946. 100 p. (MLRA 7:12)

(Railroads--Cold weather operation)

[redacted] Mikhail Ivanovich.

A guide-book on brakes. Izd. 2. perer. i dop. Moskva, Gos. transp. zhel-der. izd-vo, 1948. 445 p. (49-20802)

TF415.A43 1948

AFANASOV, Mikhail Ivanovich.

The design and repair ofauto-brakes. Izd. 2., ispr. Dopushcheno v kachestve ucheb. posobiia dlia zhel-dor. izd-vo, 1950. 242 p. (50-31139)

TF415.A45 1950

MATROSOV, I.K., laureat Stalinskoy premii; YEGORCHENKO, V.F.; KARVATSKIY, B.L.; AGAFONOV, M.I.; KRYLOV, V.I.; PEROV, A.N.; KRUTITSKIY, V.F.; SUYAZOV, I.G.; TIKHONOV, P.S., red.; KHITROV, P.A., tekhn.red.

[Automatic brakes; installation, operation, maintenance, and repair] Avtotormoza; ustroistvo, upravlenie, obsluzhivanie i remont. Izd.4., ispr. i dop. Moskva, Gos.transp.zhel-dor.izd-vo, 1951. 253 p. (MIRA 12:11)

(Brakes)

AGAFONOV, M. I.

Ustroistvo i remont avtotormozov. [Ucheb. posobie dlia zh.-d. uchilishch] [Design and repair of automatic brakes; manual for railroad schools]. Izd. 3-e. Moskva, Transzheldorizdat, 1952. 271 p.

SO: Monthly List of Russian Accessions, Vol. 7, No. 3, June 1954.

AGAFONOV, M.I.

Agafonov, M.I. and Fokin, M.D., "Automatic Control of Piston Action in a Brake Cylinder," Moscow, Transzheldorizdat, 1953, 25 pages with sketches, (All-Union Rail Transport Research Institute, Circular, No 269).

AGAFONOV, Mikhail Ivanovich; PEROV, Aleksandr Nikitich; BRAYLOVSKIY,N.G., inzhener, redaktor; VERINA,G.P., tekhnicheskiy redaktor

[Design and repair of automatic brakes] Ustroistvo i remont avtotormozov. Izd.4-oe, perer. i dop. Moskva, Gos. transporzhel-dor. izd-vo, 1955. 227 p. (MIRA 9:1)
(Brakes)

AGAFONOV, Mikhail Ivanovich [deceased]; KLYKOV, Ye.V., kandidat tekhnicheskikh nauk, redaktor; BOBROVA, Ye.N., tekhnicheskiy redaktor

[Manual for inspectors of automatic equipment on railroads] Pamiatka osmotrshchiku-avtomatchiku. Izd. 6-oe. Moskva, Gos. transp. zhel-dor. izd-vo, 1956. 63 p. (MLRA 9:12)
(Railroads--Brakes)

AGAFONOV, Mikhail Ivanovich; PEROV, Aleksandr Nikitich; BRAYLOVSKIY, N.G., inzh., red.; KHITROV, P.A., tekhn.red.

[Arrangement and repair of automatic brakes] Ustroistvo i r mont avtotormozov. Izd. 5., perer. i dop. Moskva, Gos. transp. zhel-dor. izd-vo, 1958. 271 p. (MIRA 12:2)
(Railroads--Brakes)

AGAFONOV, M.I.; PEROV, A.N.; KLYKOV, Ye.V., red.; BOBROVA, Ye.N., tekhn.red.

[Guide for an inspector of automatic equipment] Rukovodstvo osmotrshchiku-avtomatchiku. Izd.5., perer. i dop. Moskva, Vses. izdatel'sko-poligr.ob"edinenie M-va putei soobshcheniia, 1960. 171 p. (MIRA 13:5)
(Railroads--Brakes) (Automatic control)

AGAFONOV, Mikhail Ivanovich; PEROV, Aleksandr Nikitich; BEKHTEREV, V.D., retsenzent; BAZROV, I.S., retsenzent; SHIBER, R.A., retsenzent; BRAYLOVSKIY, N.G., red.; KHITROV, P.A., tekhn. red.

[Design and repair of automatic brakes] Ustroistvo i remont avtotormozov. Izd.6., perer. i dop. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1961. 270 p. (MIRA 14:8)

(Railroads—Brakes)

SOV/68-59-7-18/33

AUTHORS: Glazunov, A.A. and Agafonov, M.P.

TITLE: Methods of Intensification of Dephenolising Plants

PERIODICAL: Koks i khimiya, 1959, Nr 7, pp 47 - 49 (USSR)

ABSTRACT: The dephenolising plant for spent ammonia liquor built in the Yenakiyevo Works operating by the steam method with recirculation of alkali-phenolate mixture had a low efficiency. The reconstruction of the plant which increased the efficiency of dephenolisation from about 73% to 87% is described and illustrated. Main points: the desorption of phenols from water is carried out in the upper part of the two scrubbers, filled with hurdles, operating in series. The absorption part consists of four counter current (vapour-alkali) stages - two in the bottom part of each scrubber. The first section (in respect of alkali) is periodically sprayed every 15 minutes with fresh 8 - 10% alkali which then passes into the second section which is additionally sprayed with a weak alkali-phenolate mixture taken from the bottom of the scrubber (see Figure 1). There is 1 figure.

ASSOCIATION: Yenakiyevskiy koksokhimicheskiy zavod (Yenakiyevo Coking Works)

Card 1/1

AGAFONOV, M. S.

Cement - Testing

"Micro-petrographic method of determining the percentage content of amorphous silica in cement." TSement 18 no. 3, 1952.

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

AGAFONOV M.S

AID P - 3519

Subject : USSR/Power Eng

Card 1/1 Pub. 26 - 13/30

Authors : Agafonov, M. S., F. T. Makeyev, and M. S. Filippov, Engs.

Title : 25 years of operation of the Chelyabinsk State Regional Power Plant of the Order of Lenin

Periodical : Elek. sta., 9, 42-43, S 1955

Abstract : The article describes the 25 years of operation of this power plant, without mentioning any engineering details. Names of workers and repairmen are given.

Institution : None

Submitted : No date

AGAFONOV, M.S. [deceased], insh., red.; MUNITS, A.P., red.; NAGISHKINA, T.M., tekhn.red.

[Instructions for sealing cast iron joints of sockets of water pipes] Instruktsiia po zadelke stykov rastrubnykh chugunnykh vodoprovodnykh trub. (I 144-55/MSPMKhP). Izd.2-oe, ispr. Moskva, Gos.izd-vo lit-ry po stroit.i arkhit., 1957. 57 p. (MIRA 11:1)

1. Russia (1923- U.S.S.R.) Ministerstvo stroitel'stva predpriyatiy metallurgicheskoy i khimicheskoy promyshlennosti. Tekhnicheskoye upravleniye.
(Water pipes)

AGAFONOV, M.S., inzh.; MAHKOV, M.N., inzh.

Conversion of the AK-25-1 turbine to a system with conterpressure.
Elek.sta. 30 no.1:41-43 Ja '59. (MIRA 12:3)
(Steam turbines)

AGAFONOVA, Z., kand.biolog.nauk; AGAFONOV, N.

Cultivation practices in controlling the European corn borer. Zashch.rast.ot vred.i bol. 10 no.4:24-25 '65.

(MIRA 18:6)

1. Zaveduyushchiy otdelom zemledeniya Kurskoy sel'skokhozyaystvennoy opytnoy stantsii (for Agafonov).

AGAFONOV, N.A., insh.

Design of the electric propulsion of the icebreaker "Lenin" (with an atomic power plant). Trudy NTO sud.prom. 8 no.5:81-93 '59. (MIRA 13:7)
(Lenin (Atomic ship))
(Ship propulsion, Electric)

AGA[illegible]., laureat Leninskoy premii

Electric power system on the icebreaker "Lenin." Sudostroenie 27 no.8:30-33 Ag '61. (MIRA 14:9)
(Lenin (Atomic ship)) (Electricity on ships)

Nikolai Aleksandrovicg Agafonov, 1903-1964; an obituary. Sudostroenie 30 no.5:71 My '64. (MIRA 17:6)

MOROZOVSKAYA, M.I.; DEMCHENKO, I.A. TISHCHENKO, O.D.; GORELYSHEVA, I.I.: YEVLAKHOVA, V.F.; NADTOCHKIY, S.S.; GAL'PERIN, L.Yu; BELYY, Ya.M.; LAZEBNYY, N.V.; DEREVENKO, V.I.; SERVIYENKO, G.A.; SHEVCHUK, M.K.; D'YACHENKO, V.I.; AGAFONOV, N.I.; BESFAMIL'NAYA, P.S., CHERNENKO, Yu.L.

Preventive antimalaria measures for lumberjacks employed in clearing the bed of the future Kakhovka Reservoir. Med.paraz. i paraz.bol.24 no.3:207-208 Jl-S '55. (MLRA 8:12)

1. Iz Ukrainskogo nauchno-issledovatel'skogo instituta malyarii i meditsinskoy parazitologii imeni prof. V. Ya. Rubashkina (dir. instituta I.S.Demchenko) i Zaporozhskoy, Dnepropetrovskoy i Khersonskoy oblastnykh protivomalyariynykh stantsiy.
(MALARIA, prevention and control,
in Russia, in forest workers)

L 57737-65 EWP(e)/EWT(m)/EWP(w)/EWP(i)/EWA(d)/T/EWP(t)/EWP(k)/EWP(z)/EWP(b) [illegible] JD/HW/JG

ACCESSION NR: AP5017007 [illegible]/65/031/007/0875/0877

AUTHOR: Kaminskiy, Ya. A.; Agafonov, N. I.

TITLE: Method of determining the strength of powdered-metal filter elements

SOURCE: Zavodskaya laboratoriya, v. [illegible]1, n. [illegible]

TOPIC TAGS: [illegible] element, breaking pressure, bushing, disk, [illegible] test, porosity, powder fraction

ABSTRACT: The authors describe a hydraulic testing [illegible] developed for determining the actual strength [illegible] ... shaped in a hand-operated hydraulic [illegible] ... The press [illegible] ... bushings and disks [illegible] ... breaking pressure. The specimens [illegible] ... carbon steel, chromized low-carbon [illegible] ... than the ultimate strength of [illegible]

Card 1/2

L 57737-65

ACCESSION NR: AP5017097

dimensions, porosity, and the fraction size of the powder from which they were fabricated. Thus, for example, the ultimate strength of a low-carbon steel bushing measuring 40x34x100 mm (outside diameter [illegible] times height) with a porosity of [illegible]% fabricated from [illegible] than the strength of a bushing of the same material but with a porosity of [illegible]% and fabricated from [illegible] strength: 3[illegible] kg/cm²). The breaking [illegible] mm in diameter and [illegible] mm in thickness is higher ([illegible] kg/mm²) than that of annealed low-carbon steel, than when it is made [illegible] kg/mm² even if [illegible] are of the same porosity [illegible] tubes, 1 table.

ASSOCIATION: Spetsial'noye konstruktorsko-tekhnologicheskoye byuro po metallo-keramicheskim fil'tram (Special Design and Technology Bureau for Powdered-Metal Filters)

SUBMITTED:	00	ENCL:	00	SUB CODE:	MM
NR REF SOV:	000	OTHER:	000		

Card 2/2

AGAFONOV, N. P.

137-1957-12-23754

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 12, p 57 (USSR)

AUTHOR: Agafonov, N. P.

TITLE: Results of the Operation of the KU-60 Recovery Boilers Installed at the Andreyev Metallurgical Plant With Martin Furnaces Operated on Fuel Oil (Opyt ekspluatatsii kotlov-utilizatorov KU-60, ustanovlennykh na metallurgicheskom zavode im. Andreyeva za martenovskimi pechami otaplivayemymi mazutom)

PERIODICAL: V sb.: Kotly-utilizatory martenovsk. pechey. Moscow, Metallurgizdat, 1957, pp 131-150

ABSTRACT: The KU-60 boilers installed with open-hearth furnaces having a capacity of 185 tons generate 7.6-9.24 tons of steam per hour, which is more than their design values (4.05 - 6.38 t/hr); the temperature of the waste gases is 200 - 304°, the efficiency of the boiler is 40.7 - 47.5 percent. Steam cleaning of the heating surfaces did not prove satisfactory and was therefore replaced by washing. The water economizer is washed once a day with boiler water at a pressure of 8-10 atu (Translator's Note - gauge pressure above free-air atmospheric pressure) with the aid of stationary rinsing pipes. The steam superheater is washed once

Card 1/2

Results of the Operation of the KU-60 Recovery Boilers (cont.)

a day by hand with the feed water at a pressure of 5-6 atm (gauge). Every ten days the boiler is disconnected from the gas and steam lines and is washed with industrial water under a pressure of 6-8 atm (gauge). The following results were observed after the washing: the steam generating capacity of the boiler increased from 6.4 - 8.1 to 8.7 - 10.7 t/hr; the temperature of the superheated steam increased from 258-349 to 320-390°; the temperature of the flue gases decreased from 253-315 to 203-253°; the gas resistance of the boiler is lowered from 94-135 to 72-87 mm of H_2O. The improvement in the operation of the open-hearth furnace after the installation of the recovery boiler is illustrated by the following: The efficiency of the furnace increased from 6.8 - 7.14 t/m^2 per day. The number of high speed melts increased from 15.5 - 25.8 percent. The initial investment of the installation of the boiler is recovered within 1.9 months.

Ye. N.

1. Boilers-Operation 2. Boilers-Maintenance 3. Boilers-Test methods 4. Boilers-Test results

Card 2/2

AGAFONOV, N.P.

Manure-soil composts for winter wheat. Zemledelie 24 no.5:28-31 My '62. (MIRA 15:7)

1. Kurskaya oblastnaya gosudarstvennaya sel'skokhozyaystvennaya opytnaya stantsiya.
(Kursk Province--Wheat--Fertilizers and manures)
(Compost)

AGAFONOV, N.P.

Use of zinc for millet in typical Chernozems of Kursk Province. Pochvovedenie no.12:61-67 D '64. (MIRA 18:2)

1. Kurskaya gosudarstvennaya sel'skokhozyaystvennaya opytnaya stantsiya.

AGAFONOV, N.T.

Order of priority in the development of natural resources in Kustanay Province. Vest.LGU 16 no.24:69-76 '61. (MIRA 14:12)
(Kustanay Province--Mines and mineral resources)

AGAFONOV, N.T.

Coefficients of the economic density of the territory. Vest.LGU no.24:132-135 '62. (MIRA 16:2)
(Kazakhstan—Economic conditions)

AGAFONOV, N.T.

In the Department of Economic Geography. Izv. Vses. geog. ob-va 95 no.5:476-478 S-O '63. (MIRA 16:12)

AGAFONOV, N.T.

Calculating the prospective population of cities. Vest. LGU 20 no.6:94-98 '65. (MIRA 18:4)

AL'BRUT, M.I.; AGAFONOV, N.T.; LAVROV, S.B.; AFONSKAYA, M.O.; KONSTANTINOV, O.A.

Reviews. Izv. Vses. geog. ob-va 97 no.6:554-560 N-D '65. (MIRA 19:1)

AGAFONOV, N.V.

Device for straightening steel shapes. Suggested by N.V.Agafonov. Rats. i izobr. predl. v stroi. no.15:33-34 '60. (MIRA 13:9)

1. Po materialam Tekhnicheskogo upravleniya Ministerstva stroitel'stva USSR, Kiyev, ul.Sverdlova, 17.
(Metalwork)

POYASOV, N.P., kand.biologicheskikh nauk; AGAFONOV, O.A.

Role of polymers in the increase of soil fertility. Zemledelie 23 no.12:70-73 D '61. (MIRA 15:1)

1. Agrofizicheskiy nauchno-issledovatel'skiy institut.
(Soil fertility) (Polymers) (Soil conditioners)

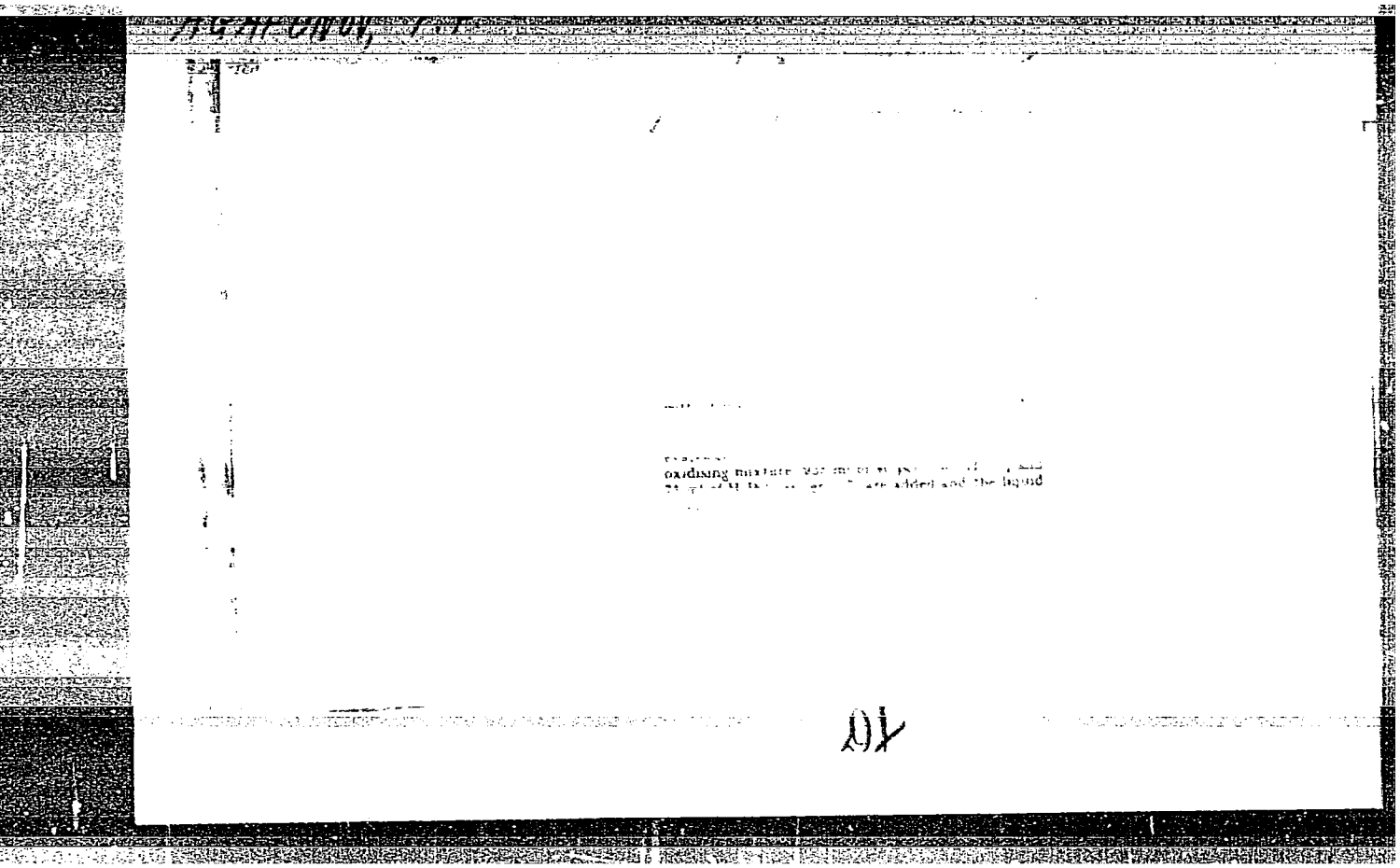
AGAFONOV, P.

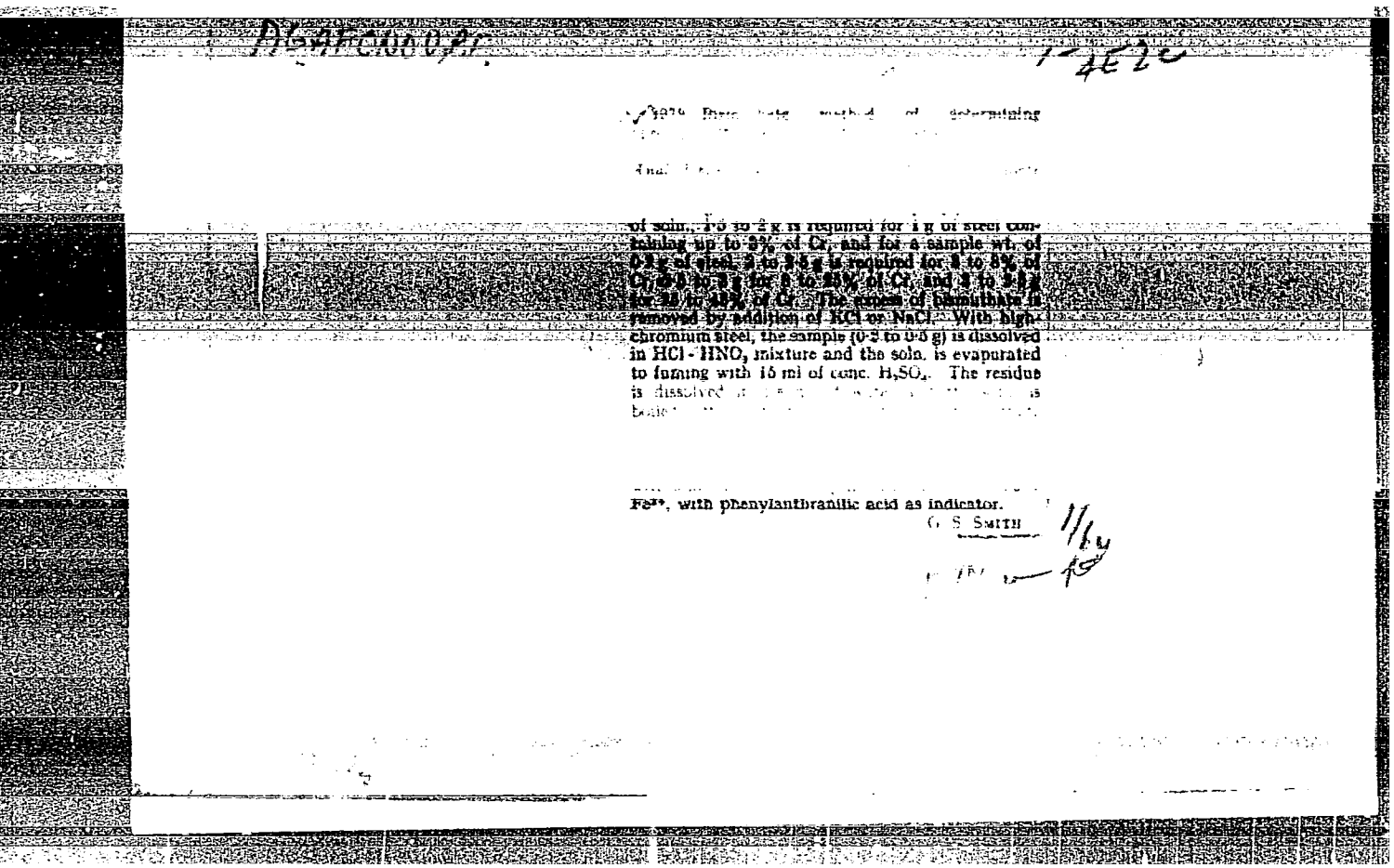
"Bukovina Milk Industry," Mol. Prom., 13, No1 4, 1952

ABDUAZIZOVA, G.; AGAFONOV, P., bukhgalter; RULEV, N.

Health resorts of Kirghizistan today. Okhr.truda i sots. strakh. no.9:48-51 S '59. (MIRA 13:1)

1. Brigada zhurnala Vsesoyuznogo tsentral'nogo soveta profsoyuzov "Okhrana truda i sotsial'noye strakhovaniye." 2. Predsedatel' respublikanskogo komiteta profsoyuza meditsinskikh rabotnikov (for Abduazizova). 3. Spetsial'nyy korrespondent zhurnala "Okhrana truda i sotsial'noye strakhovaniye" (for Rulev).
(Kirghizistan--Health resorts, watering places, etc.)





of soln., 1·0 to 2 g is required for 1 g of steel containing up to 3% of Cr, and for a sample wt. of 0·5 g of steel, 3 to 3·5 g is required for 4 to 8% of Cr, 2·0 to 3 g for 8 to 20% of Cr, and 3 to 3·5 g for 20 to 40% of Cr. The excess of chromium is removed by addition of KCl or NaCl. With high-chromium steel, the sample (0·2 to 0·5 g) is dissolved in $HCl - HNO_3$ mixture and the soln. is evaporated to fuming with 15 ml of conc. H_2SO_4. The residue is dissolved

Fe³⁺, with phenylanthranilic acid as indicator.

G. S. SMITH

AUTHOR: Agafonov, P.F. SOV-113-58-10-14/16

TITLE: A Device for Checking the Hardness of Connection Rods (Pribor dlya kontrolya tverdosti shatunov)

PERIODICAL: Avtomobil'naya promyshlennost', 1958, Nr 10, p 42-43 (USSR)

ABSTRACT: Brinell and Rockwell hardness testers are not suitable for testing the hardness of connection rods in mass production. These methods require careful operation of the instruments, for which there is not enough time. The magnetic control method seems to be more advantageous. In 1956, a magnetic control device was designed, with which up to 700 parts per hour may be checked. Figure 4 shows the exterior view and the circuit diagram. A reference connection rod is used for checking the setting of the instrument. The use of this device eliminates several checkers and reduces the amount of transportation work required. There are 3 graphs, 1 circuit diagram and 1 photo.

1. Hardness---Testing equipment 2. Laboratory instruments---Design
3. Laboratory instruments---Performance

Card 1/1

AGAFONOV, Petr Frolovich; POSTNIKOVA, I.V., red.; YASHCHEN'KINA, Ye.A., tekhn. red.

[Use of X-ray diffraction analysis in the manufacture of machinery] Rentgenostrukturnyi analiz v mashinostroenii. Kuibyshev, Kuibyshevskoe knizhnoe izd-vo, 1959. 56 p. (MIRA 14:7)
(Machinery industry)
(X rays—Industrial applications)

S/081/62/000/023/030/120
B168/B186

AUTHORS: Bezobrazov, S. V., Ponomarenko, A. G., Agafonov, P. F.

TITLE: High-frequency heating for determination of carbon content in alloys

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 23, 1962, 213, abstract 23E37 (In collection: Teoriya i praktika metallurgii, no. 4, Sverdlovsk, Metallurgizdat, 1961, 181-183)

TEXT: The working principle of a h. f. furnace and of a h. f. apparatus for heating samples is described. High-frequency heating (25-30 Mc/s) for calcining samples for carbon determination gives more complete combustion of difficultly oxidizable high-alloy steels and ferro-alloys. Calcination takes place at $\geqslant 1500^{\circ}C$ and is complete in ~1.5-2.0 min. Results are given for analyses of ferrochrome by the proposed method. [Abstracter's note: Complete translation.]

Card 1/1

AGAFONOV, P.F.

Potentiometric determination of cobalt in steels in the presence of manganese. Zav.lab. 29 no.5:547-548 '63. (MIRA 16:5)

1. Chelyabinskiy nauchno-issledovatel'skiy institut metallurgii.
(Cobalt--Analysis) (Steel--Analysis) (Potentiometric analysis)

AGAFONOV, P.I.

[Our experience in the efficient use of tractors and combines] Nash opyt vysokoproizvoditel'nogo ispol'zovaniia traktorov i kombainov. Alma-Ata, Kazakhskoe gos. izd-vo, 1954. 47 p. (MLRA 10:2)
(Tractors) (Combines (Agricultural machinery))

AGAFONOV, S.

AGAFONOV, S.....Gorod Gor'kii. Moskva, Izd-vo Akademii arkhitektury SSSR, 1949.
39 p. (Arkhitektura gorodov SSSR.)
"Literatura": p. (38)

DLC: NA1197.G6A48

SO: LC, Soviet Geography, Part II, 1951/Unclassified