YEGOROV, A.L. (Moskva); PARNYUK, V.A. (Zaporozh'ye)

Problems for extracurricular work. Fiz.v shkole 22 no.1:77-79
Ja-F '62. (MIRA 15:3)

(Physics--Problems, exercises, etc.)

BELOGORSKAYA, N.I.; BLUDOV, M.I.; BRAVERMAN, E.M.; BULATOV, N.P.;

GALANIN, D.D.; GOL'DFARB, N.I.; YEVROPIN, G.P.; YEGOROY, A.L.

YENOKHOVICH, A.S.; ZVORYKIN, B.S.; IVANOV, S.I.; KAMANETSKIY, S.Ye.;

KRAUKLIS, V.V.; LISENKER, G.R.; MALOV, N.N.; MAHOVETOVA, G.P.;

MENSHUTIN, N.F.; MINCHENKOV, Ye.Ya.; PERYSHKIN, A.V.; FOKROVSKIY, A.A.;

POPOV, P.I.; RAYEVA, A.F.; REZNIKOV, L.I.; SOKOLOV, I.I.; YUSKOVICH,

V.F.; ZVENCHIK, Z.Ye.

Dmitrii Ivanovich Sakharov; obituary. Fiz.v shkole 22 no.1:109-110 Ja-F '62. (MIRA 15:3) (Sakharov, Dmitrii Ivanovich, 1889-1961)

# YEGOROV, A. L., (Moskva) Analysis of the development of phenomena in the solution of problems. Fiz. v shkole 22 no.4:48-50 J1-Ag '62. (MIRA 15:10) (Physics--Problems, exercises, etc.)

Studying the great program of the development of communism in the process of teaching physics. Fiz.v shkole 22 no.5:22-37 S-0 '62. (MIRA 15:12)

(Physics—Study and teaching) (Automation—Study and teaching)

YEGOROV, A.L. (Moskva)

Using students' knowledge of mathematics and physics in teaching mechanics in the 9th grade. Fiz. v shkole 23 no.5: 29-37 S-0 '63. (MIRA 17:1)

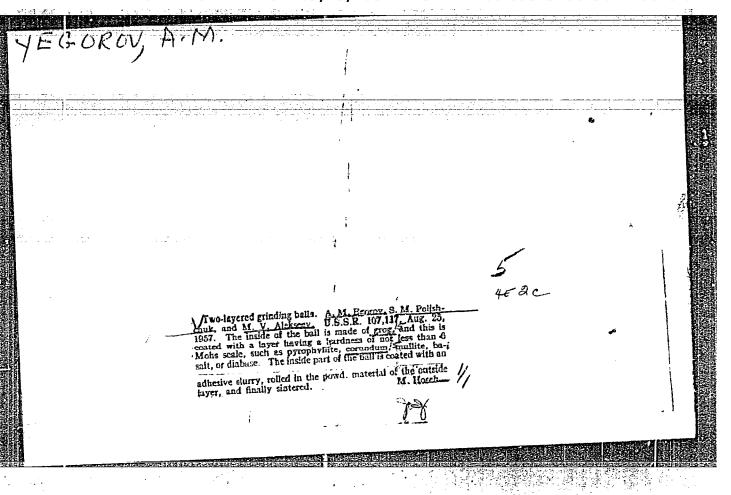
YEGOROV, A. M.,

"Study of Methods of Combating Vibrations In Lathework." (Dissertation for Degree of Candidate for Technical Sciences) Hin Higher Education USSR, Moscow Aviation Technology Inst, Moscow, 1955

SO: M-1036 28 Mar 56

YEGOROV, A.M., kandidat tekhnicheskikh nauk.

Prevention of vibrations while working with production cutting tools. Vest. mash. 36 no.9:39-43 5 '56. (HLRA 9:10) (Cutting tools)



NECORON A.M. dektor tekhnichoskikh nauk, professor; YEXOGOV. A. L. dektor tekhnichoskikh nauk, kandidat tekhnichoskikh nauk.

Investigating the vibration resistance of elastic systems
(M.M. Inc. 32:7-29 157.

during turning. Trudy MATI no. 32:7-29 157.

(Lathes-Vibration)

YEGOROV, A. M., P. S. TITOV, F. M. LOSKUTOV, AND V. S. LOVCHIKOV, A. N. VOL'SKIY, R. A. ARACHEVA

"On Hydrometallurgical Treatment"

Mintsvetmetzoloto

report submitted at a conference on new methods of lead production from concentrates, Gintavetmet (State Inst. Mon-Ferrous Metallurgy), Moscow 22-25 June 1958.

(for entire conf. see card for LIDOV, V. P.)

s/708/59/000/002/004/008 D221/D304

Yegorov, A.M., Candidate of Technical Sciences

Elimination of low-frequency sibrations during metal AUTHOR:

TITLE:

machining

Card 1/1

Izhevsk. Mekhanicheskiy institut. Voprosy tochnosti metallorezhushchikh stankov i mekhanicheskoy obra-SOURCE:

botki, no. 2, 1959, 58 - 71

TEXT: Investigations of a lathe under various conditions of load. ing, and the oscillographic study of conditions required for vibrationless machining are described. The lathe slide takes up the who le cutting force, whereas the spindle and tailstock contribute together to the reaction. In addition, the support possesses the largest amount of junctions which explains its minimum stiffness and gest amount of January and resistance: 1 m

 $j_m$  is the rigidity of the machine tool,  $j_{sl}$  is the rigidity of the

B/708/59/000/002/004/008 D<sub>221</sub>/D304

Elimination of low-frequency ...

slide;  $\mathfrak{I}_n$  that of the headstock, and  $\mathfrak{I}_t$  of the tailstock. Therefore, the stiffness of a lathe depends in the first instance upon the rigidity of the support. The equivalent force was indicated by a dynamometer designed by Candidate of Technical Sciences, A.A. Voronin. The experiments were carried out on three different lathes. The following conclusions are made: There are ratios between the components of the cutting force which result in minimum radial deformation. This corresponds to the highest rigidity along the Y axis and forms a discontinuity during the transition from negative to positive rigidity of the slide. The rigidity of the system increases when the ratio  $P_y/P_x$  drops. The axis of maximum stability depends on the ratio between the component forces and the general state of the elastic system. The use of these elastic properties and loading along the axis of maximum strength ensure a safe operation as far as vibrations are concerned. The tests have demonstrated that the directions of the equivalent forces are of the utmost importance for the rigidity of the system. The change in the arrangement of load ing may be achieved by alterating the tool geometry, or by the rota Card 2/4

s/708/59/000/002/004/008 D221/D304

Elimination of low-frequency ...

tion of the tool in respect of lathe centers and OY axis, when all cutting angles are maintained. The conventional tool clamping results in significant radial deflection which leads to vibrations. The elimination of the risk is ensured by the direction of the resultant cutting force along the axis of maximum strength. The dynamic tests were carried out with electrical gear consisting of a selmic tests were carried out with recovering sold constitute of the insmic transducer, recording oscillograph, and screened leads. The intensity of vibrations was increased by changing one parameter only
tensity of vibrations was increased by changing one parameter only
(width of cut). A detailed description of conditions is given. The plot of data reveals that the optimum angle of tilt of the tools in respect to the center line of the lathe, coincides with the values obtained by the analysis. Further rotation, produces a 'negative' rigidity of the slide and drawing in of the tool. Four zones are distinguishable during the change of the tool position. The investigations proved that the proposed method ensures a stable operation in unfavorable conditions. Similar tests were made by altering the ratio of width and thickness of the chip in order to deduce the anrauto of widen and only The author draws the following conclusions: The introduction of tools with wide cutting edges should be

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Elimination of low-frequency ...

S/708/53/000/002/004/008 D221/D304

raged, due to their increased output. This, however, requires elimination of vibration, by changing the character of loading. The examination revealed the need for modifications in design of the slide. There are 7 figures and 2 tables.

Card 4/4

KRESTOVNIKOV, Aleksandr Nikolayevich; VLADIMIROV, Leonid Pavlovich; GULYANITSKIY, Boris Stepanovich; FISHER, Aleksandr Yakovlevich; YEGOROV, A.M., red.; ARKHANGEL'SKAYA, M.S., red. izd-va; MIKHAYLOVA, V.V., tekhn. red.

[Handbook on calculations of equilibrium of metallurgical reactions; rapid methods] Spravochnik po raschetam ravnovesii metallurgicheskikh reaktsii; uskorennye metody. [By] A.N. Krestovnikov i dr. Moskva, Metallurgizdat, 1963. 416 p. (MIRA 16:7)

(Metals-Thermodynamic properties)
(Chemistry, Metallurgic-Handbooks, manuals, etc.)

SECTION OF THE PROPERTY OF THE	223 Q 2
ACC NR: AP7002608 (A, N) SOURCE CODE: UR/0413/66/000/023/04 ://0117	
INVENTOR: Yegorov, A. M.; Isayev, A. I.	
ORG: None	
TITLE: An electrochemical method for machining components with complex shapes. Class 46, No. 189275 [announced by the Central Scientific Research Institute of Technology and Machine Building (Tsentral'nyy nauchno-issledovatel'skiy institut tekhnologii i mashinostroyeniya)]	الماستصنات
SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 23, 1966, 117	2
TOPIC TAGS: electroerosion machining, metal machining, precision finishing	<b>(</b>
ABSTRACT: This Author's Certificate introduces an electrochemical method for machining components with complex shapes using movable electodes based on Author's Certificate No. 142141. Sectional electrodes are used to provide greater accuracy in machining three-dimensional curved surfaces with large angles of twist. These electrodes are brought together in pairs successively or simultaneously at the optimum angles to the corresponding sections of the surface being machined, collectively producing the given profile in the finished component.	
SUB CODE: 13/ SURM DATE: 09Mar64	
Card 1/1 UDC: 621.9.047.7	
Cara -1- 0930 2727	

ZACORODNOV, O.G.; FAYNBERG, Ya.B.; YECOROV, A.M.

Reflection of electromagnetic waves from a plasma moving in slow-wave guides. Zhur. eksp. i teor. fiz. 38 no.1:7-9 Jan '60. (MIRA 14:9)

(Electromagnetic waves) (Plasma (Ionized gases)) (Wave guides)

YEGOROV, A.M.

34437 s/185/61/006/006/016/030 D299/D304

24.2120 (1049,1163,1538)

Lifshyts', Ye.V., Yehorov, A.M., and Zahorodnov, O.H.

AUTHORS:

Measuring high-frequency field strength in a plasma

TITLE:

by means of the Stark effect

Ukrayins'kyy fizychnyy zhurnal, v. 6, no. 6, 1961, PERIODICAL:

793 - 796

TEXT: A method is proposed for measuring parameters of plasma waveguides which has the advantage (over existing methods) of introducing only very small perturbations. The Stark effect is used for determining the mean field strength in plasma waveguides in a magnetic field. First, the radial distribution of the electric-field components in the waveguide are determined, and then the phase velocity of the wave and the field strength at the waveguide axis. The field -strength measurements were based on the Epstein-Schwartzschild formula:

 $\Delta v = \frac{3hE}{8\pi^2 \mu Ze} \left\{ n_2 (n_{\eta} - n_{\xi})_2 - n_1 (n_{\eta} - n_{\xi})_1 \right\}$ 

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Measuring high-frequency field ...

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for the static Stark effect. It was found that the magnitude of the Stark line broadening was considerably greater in the experiments conducted, than line broadening due to other factors which could therefore be neglected. The diameter of the plasma waveguide was 20 mm, the plasma density varied between 1010 ... 1011. The field strength was measured by the broadening of the  $H_{\gamma}$  - line. This line was selected because it was more suitable for the operating conditions of the spectrograph used in the experiment. The discharge spectrum was recorded on photographic plates of type "Pankhrom"; the exposure varied between 30 minutes to 2 hours. A figure shows a typical line shape. The line broadening, due to the experimental apparatus, was taken into account be means of a calibration device, incorporating a thyratron. From formula (1) follows that the field strength E = 2.31 •  $103\Delta\lambda$ , where  $\Delta\lambda$  is expressed in A, and E in kw/cm. The obtained values of E are listed in a table, together with the values of  $\Delta\lambda$  . The described method is effective; its effectiveness increases with higher field strength. The use of photoelectric recording ensures much greater speed of measurement. There

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Measuring high-frequency field ...

S/185/61/006/006/016/030 D299/D304

are 2 figures, 1 table and 6 references: 5 Soviet-bloc and 1 non-Soviet-bloc (in translation).

ASSOCIATION: Fizyko-tekhnichnyy instytut AS UkrRSR (Physico-Technical Institute of the AS UkrSSR), Kharkiv

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s/057/61/031/003/005/019 B125/B202

9,2585

AUTHORS: Zagorodnov, O. G., Gaynberg, Ya. B., Yegorov, A. M., and

Bolotin, L. I.

TITLE: Multiplication of the frequency by means of plasma "slamming"

PERIODICAL: Zhurnal tekhnicheskoy fiziki, v. 31, no. 3, 1961, 297-300

TEXT: The present paper deals with the experimental study of the problem of frequency multiplication by slamming. As is known, a Doppler effect occurs when electromagnetic waves are reflected from a moved surface. In this case frequency and amplitude of the incident wave are changed. The effect concerned can be considerably increased in the case of multiple reflection. This is attained, e.g., by concentrating the electromagnetic energy in a volume completely or partially filled with the plasma. This volume is then rapidly reduced by slamming the plasma. In this case not only density but also the total electromagnetic energy are increased. In the case concerned the energy of the photons that are multiply reflected from the plasma is increased. This effects the reversal of the Fermi

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Multiplication of the frequency...

acceleration effect. In the case of multiple reflection frequency and amplitude strongly increase even in the case  $V_{\Phi} \gtrsim C(V \ll C)$ . This effect was experimentally checked for an HO11 wave in the 10-cm region. The electromagnetic field was compressed in a resonator having the shape of a metallic rectangular resonator. The plasma piston entered the resonator by a grating consisting of three metal bands. The second front face of this waveguide gradually passed into a waveguide with the critical wavelength  $\lambda_{\rm cr}$  = 4.6 cm. This waveguide serves as filter for the harmonic frequencies. The plasma piston was produced by a two-electrode discharge with special ignitor and with additional electrodynamic acceleration. Fig. 1 shows the general block diagram of the experimental arrangement. The beginning of discharge can be regulated such that the plasma compression occurs two to three microseconds after the beginning of the high-frequency pulse in the waveguide. On slamming also the frequency of the electromagnetic field increases as a result of multiple reflection from the moved plasma until the frequency of the field exceeds the critical frequency of the waveguide filter. Fig. 3 illustrates the oscillograms of the high-frequency signals with the "multiplied" frequency at different instants of time of the

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Multiplication of the frequency...

plasma slamming. In this case the maximum pulse height of the highfrequency signal with the multiplied frequency corresponds to the shortest duration of slamming. These outputs are separated from the high-frequency pulse which is interrupted by the moving piston by the time interval T. This time interval corresponds to the "slamming time", i.e., the time required for the multiplication of the frequency of the initial value (in this case 2840 megacycles) to a value slightly exceeding the critical frequency of the waveguide (6530 megacycles). Thus, the frequency was increased by little more than 2.3 times. The spectrum of the oscillations produced by the magnetron contained harmonic oscillations of small amplitudes which penetrate into the waveguide. Their amplitudes reproduce the form of the magnetron pulse. During slamming dissipation of the field energy caused by losses in the cavity and in the plasma compression occurs besides the frequency multiplication and the intensification of the field amplitude. To obtain a sufficiently large amplitude of the signal at the output the "slamming time" must be of the same order of magnitude as the attenuation time  $\tau_0 = Q/\omega$ . In the experiments described slamming takes ~0.4 microseconds, which corresponds to a

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Multiplication of the frequency...

velocity of motion of 2·10<sup>7</sup> cm/sec of the plasma compression. Thus, it was shown that by slamming a sufficiently strong frequency multiplication can be attained. There are 3 figures and 8 references: 6 Soviet-bloc and 2 non-Soviet-bloc. The 2 references to English language publications read as follows: E. L. Ginston, Science, 127, 3303, 1858; A. C. Kolb, Phys. Rev., 107, 345, 1957.

ASSOCIATION: Fiziko-tekhnicheskiy institut AN USSR Khar'kov (Institute of Physics and Engineering of the AS UkrSSR Khar'kov)

SUBMITTED: May 20, 1960

Card 4/4

### "APPROVED FOR RELEASE: 09/19/2001

### CIA-RDP86-00513R001962420018-8

5/781/62/000/000/003/036

AUTHOR:

Zagorodnov, O. G., Faynberg, Ya. B., Yegorov, A. M., Kivshik, A. F.

TITLE:

Reflection of electromagnetic waves from a moving plasma. Investigation

of waveguide properties of a plasma

PERIODICAL: Fizika plazmy i problemy upravlyayemogo termoyadernogo sinteza; doklady I konferentsii po fizike plazmy i probleme upravlyayemykh termoyadernykh reaktsiy. Fiz.-tech. inst. AN Ukr. SSR. Kiev, Izd-vo AN Ukr. SSR, 1962, 9-20.

TEXT: The first part of the article describes experiments on the reflection of slow electromagnetic waves from a moving plasma, aimed at ascertaining whether the frequency multiplication and increase in the reflected-wave amplitude attainable in the case of slow waves is sufficient to lead to the development of new methods of amplification of microwaves and acceleration in a plasma, and also to stabilize a plasma. Since the Doppler shift in the frequency and the change in the amplitude of an electromagnetic wave reflected from a moving mirror can be made appreciable only by increasing greatly the velocity of the reflecting surface or

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5/781/62/000/000/003/036

Reflection of electromagnetic waves from . . .

by changing the phase velocity of the wave in the space where the interaction takes place, and since it is not practical to obtain high physical mirror velocities (even when an electron beam or a plasma is used as a reflecting surface), the experiment was carried out with an electromagnetic wave of a phase velocity slowed down to that of the reflecting plasma. The slow-wave structure consisted of a helical waveguide comprising a porcelain tube 40 mm in diameter, with a helix made of copper wire 0.4 mm in diameter wound at a pitch of 0.8 mm. The experimentally measured phase velocity in the helix was vph/c = 1/200. A plasma piston was produced by discharging a 750 microfarad capacitor bank charged to 4.5 kV. At 24.75 Mcs, the frequency of the reflected wave was found to be increased by 11 per cent relative to the incident wave, and when the phase velocity was decreased to 1/375 of the velocity of light, the frequency increased by 20 per cent. The velocity of the plasma piston was calculated to be  $v = 8.45 \times 10^6$  cm/sec. This effect can be used for amplification and generation of microwaves, acceleration of particles, and various measurements in plasma and also to increase the stability of a plasma.

The second part of the investigation was devoted to waveguide properties of plasma. A plasma waveguide was produced by a high frequency discharge in a quartz tube 1500 mm long,

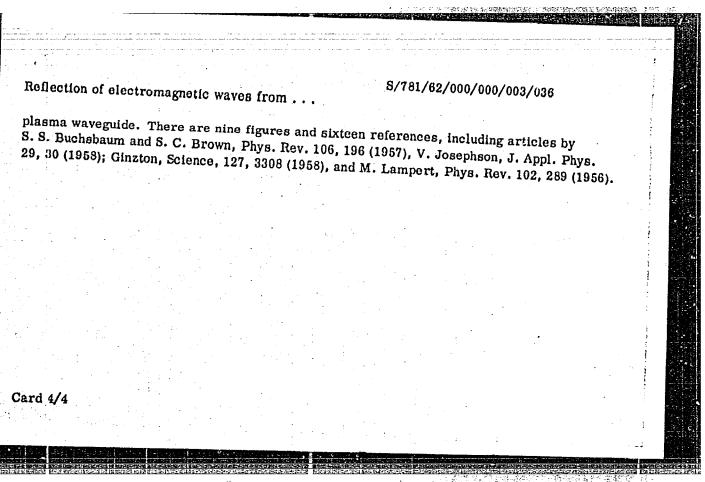
Card 2/4

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Reflection of electromagnetic waves from . . .

in which a vacuum of  $7 \times 10^{-3}$  mm Hg was maintained. The plasma density in the waveguide could be varied up to 1011 cm-3. A slow electromagnetic wave of low power (on the order of 1 watt) at frequencies from 150 to 2000 Mcs was excited in the plasma waveguide, and the resultant phase velocity of the standing wave was measured as a function of the frequency for different plasma densities and for several values of longitudinal magnetic field. A study of the dependence of the waveguide field intensity on the high-frequency power applied to the plasma (in the range from 100 to 1.5 kW) has shown this dependence to be non-monotonic, probably owing to resonance in the plasma column. Other quantities measured were the radial dependence of the longitudinal component, the nonlinear distortion of low-power signals passing through the plasma waveguide and the microwave losses in the plasma waveguide. The acceleration in the plasma was investigated by means of a small model of a helicalplasma accelerator. An analysis of the energy spectrum of the beam, made by electrostatic deflection, shows that the spectrum is quite broad and that a considerable fraction of the electrons had the expected energy near 5.5 keV. This shows that the field is capable of penetrating and reaching the axis of the plasma and that the electrons become accelerated. K. D. Sinel'nikov is credited with suggesting one possible reason for signal distortion in the

Card 3/4



ENT(1)/ENT(m)/ETC/EPF(n)-2/ENG(h)/EPA(w)-2/ENA(m)-2 AUTHOR: Berezin, A. K.; Berezina, G. P.; Bolotin, L. I.; Gorbatenko, M. F.; Yegorov, A. H.; Zagorodnov, O. G.; Kornilov, B. A.; Kurilko, V. I.; Lutsenko, Ye. I.; Laypkalo, Yu. M.; Pedenko, N. S.; Kharchenko, I. F.; Shapiro, V. D.; Shevchenko, V. I.; Faynberg, Ya. B. \$/0000/64/000/000/1023/10 TITLE: Acceleration of charged particles with the aid of longitudinal waves in plasma and plasma waveguides 71,44,55 SOURCE: International Conference on High Energy Accelerators. Trudy. Moscow, Atomizdat, 1964, 1023-1029 TOPIC TAGS: high energy accelerator, electron beam, plasma accelerator, plasma waveguide ABSTRACT: Plasma waveguides and noncompensated electron and ion beams can be utilized as accelerating systems in linear accelerators (Faynberg, Ya. B., Symposium CERN 1, 84 1956); Atomonay energiya 6, 431 (1959)). In such systems, slow electromagnetic waves v s c are propatated, which are necessary for particle acceleration. The waveguide properties of restrained plasma and noncompensated beams are displayed in the case of waves in the meter and centimeter range even for com-Card 1/5

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ACCESSION NR: AT5007973

paratively small plasma densities around 109 to 1013 cm-3). Under these conditions the high-frequency energy losses during wave propagation, which are due to the collisions of plasma particles, are small. The density of electrons in metals (about 10<sup>23</sup>) is many orders greater than is necessary for ensuring waveguide properties in the microwave range. This leads to great losses of high-frequency power during wave propagation in metallic conductors. For plasma densities around 109 to 1013 cm<sup>3</sup>, the energy losses during particle transist through the plasma, which are proportional to plasma density, are insignificant, from 10<sup>-5</sup> to 10<sup>-6</sup> ev/cm. This means that plasma waveguides are "transparent" for accelerated particles. According to the conditions of acceleration the particles are divided into individual bunches. Thus the loss of particles moving in the plasma can increase greatly because of the occurrence of coherent deceleration representing the inverse of the effect of coherent acceleration, which was established by V. I. Veksler (Symposium CERN 1, 80 (1956)). However, even for accelerated particle fluxes of the order of tens of amperes, these losses are all insignificant. Because waveguide properties are determined by the plasma, the metal surfaces can be remote from regions with large field strengths or eliminated altogether, which permits a significant increase in the permissible voltages of the accelerating fields and a substantial de-

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ACCESSION NR: AT5007973

crease in the high-frequency energy losses. It is also important to concentrate the electromagnetic energy in the radial direction only in the regions where the accelerated particles are moving. Thus for a given field strength the electromagnetic energy flux decreases markedly. If the fluxes of accelerated particles are large, the waveguide properties necessary for acceleration can be ensured by the particles of the beam which are not entrapped in the acceleration process, through which particles the entrapped particles move. The beam itself which is injected into the accelerator operates under these conditions of an accelerating system. To clarify the possibilities of particle acceleration by means of electromagnetic waves excited by charged particle beams, and also to investigate the influence of beam instabilities upon the acceleration process, the Physicotechnical Institute, Academy of Sciences Ukrainian SSR conducted theoretical and experimental investigations on the interaction of charged particle beams with a plasma. These investigations were intended to lead to, not the design and construction of a definite accelerator model, but the physical processes occurring during the interaction under consideration, and in this way to a determination of the possibilities of plasma methods of acceleration which are being developed at this institute. The theory developed up to the present time of the interaction between beams and plasma has been essentially a linear theory. As a result of the work of V. D. Shapiro and V.

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I. Shevchenko at this institute for the case of beams of not very large density, a nonlinear theory has been created which permits one to trace the process of interaction of an initially nonmodulated beam and mono-energetic beam with a plasma from the initial stage to saturation. As is shown, a large part of the beam's energy of ordered motion (75% of its initial energy) is lost by the beam as a result of collective interactions with the plasma. Thus the energy expended upon excitation of oscillations amounts to 30%; upon increasing the thermal energy of the plasma, to 30%; and upon increasing the thermal energy of beam, to 15%. The experimental investigations of this interaction were carried out by I. F. Kharchenko and A. K. Berezin and their respective co-workers. Their results are in agreement with the theory of M. F. Gorbatenko. The mentioned institute has also carried out further theoretical and experimental investigations on the problems of electromagnetic wave propagation in plasma waveguides excited by high-frequency wall sources. The experimental studies, by O. G. Zagorodnov, et al., showed that the results agree well with theory under conditions of insignificant nonlinear effects. Current experiments are concerned with highly-ionized plasmas with density 1011 to 1012. Orig. art. has: 4 figures, 1 table.

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BVK. Card 5/5						المستقددة للمالية	

YEGOPOV, A.M.; ODINETS, Z.K.

Calculating the temperature dependences of weak electrolyte dissociation constants. Sbor. nauch. trud. Gintsvetmeta no.23:241-246 '65.

Temperature dependence of the instability constants of certain complex ions. Ibid.:247-251 (MIRA 18:12)

YEGOROV, A.M.; SMIRNOVA, M.N.

Study of the mean heat capacities of zinc and nickel orthosilicates at high temperatures. Zhur. fiz. khim. 39 no.9:2131-2135 S '65. (MIRA 18:10)

AUTHOR:

Egorov, A.M.

586

TITLE:

Temperature Dependence of the Solubility Product. (Temperaturnaya zavisimost' proizvedeniy rastvorimosti).

PERIODICAL:

"Zhurnal Neorganicheskoy Khimii" (Journal of Inorganic Chemistry, Vol.11, No.2, pp.460-464. (U.S.S.R.).

ABSTRACT:

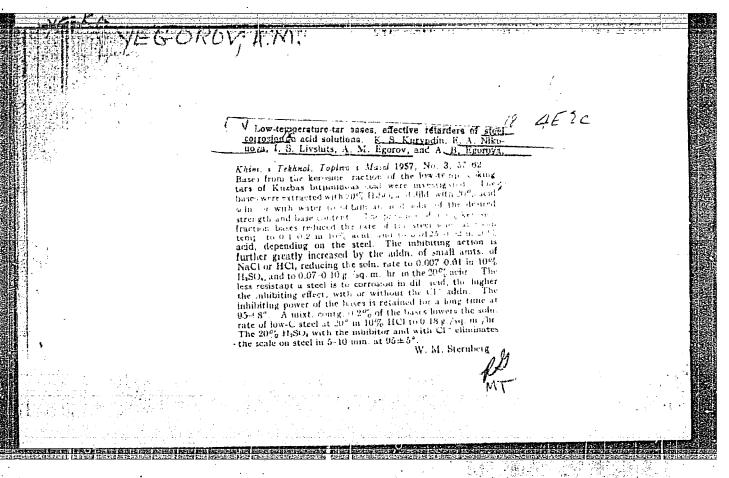
A thermodynamic method for calculating the effect of temperature on the solubility product. Calculation of the coefficients in the equation for the solubility product in terms of temperature enables values of the product to be calculated. This has been done for several sulphides and halides for temperatures from 0 to 100°C.

There are eight references, five of them Russian.

There are seven Tables and ten Equations.

Received 23 January, 1956.

Card 1/1



50V/180-59-3-8/43

AUTHORS: Agracheva, R.A., Vol'skiy, A.N. and Yegorov, A.H. (Moscow)

TITLE: Investigation of a Method of Treating Lead Sulphide Concentrates by the Application of Ferrichloride

Solutions

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Metallurgiya i toplivo, 1959, Nr 3, pp 37-46 (USSR)

ABSTRACT: The thermodynamics of the interactions between sulphides

and chlorides of heavy metals in aqueous solutions is worked out. Results are given in Table 1. The thermodynamics of the processes between chlorides and sulphides of different metals was also examined and results given in table 2. An experimental investigation was carried

out on the dissociation of sulphides of heavy metals by ferrichlorides. Results (table 3) show that

galena, chalcocite, silver sulphide and covellite are

easily decomposed; pyrrhotite, marmatite and chalcopyrite

are slowly decomposed; but pyrites are unaffected. Experiments were carried out on a lead concentrate

containing 63.77 Pb, 2.56 Cu, 5.4 Zn, 4.73 Fe, 17.36 S, 0.59 SiO<sub>2</sub> 1.06 H<sub>2</sub>O and 4.48% remainder. The results for

two temperatures (60 and 80°C) and two times (90 and

Card 1/2 120 minutes) are given in Table 4 (q° = degree of

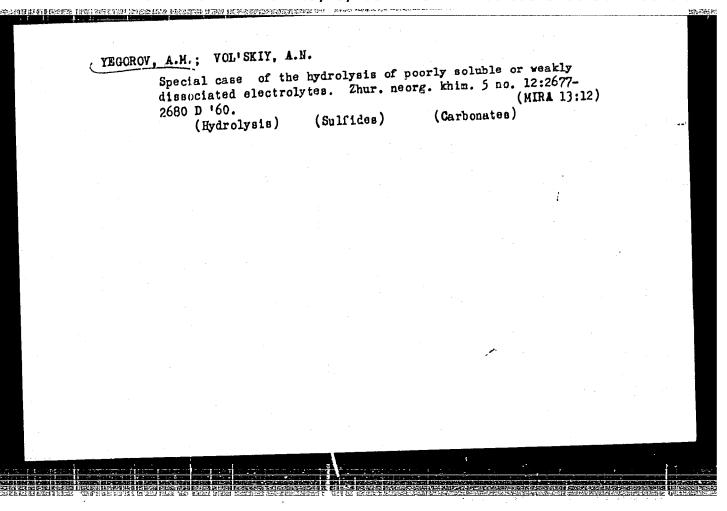
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Investigation of a Method of Treating Lead Sulphide Concentrates by the Application of Ferrichloride Solutions

extraction). Results of further experiments on a more complex mixture are given in Table 5. The extraction of lead is greater than 99%. The method of treating lead concentrates is thus: treatment with iron ferrichloride solution which converts PbS to PbCl<sub>2</sub>, leaching with a solution saturated with CaCl<sub>2</sub> and NaCl and electrolytic extraction of Pb from the solution. Experiments on purification of the anolyte showed that copper is almost completely precipitated by lead sulphide (Table 6, q = degree of precipitation) but precipitation of zinc is very slow (Table 8) and this method is unsatisfactory. There are 8 tables and 8 references; 6 of which are Soviet and 2 English.

SUBMITTED: April 26, 1958

Card 2/2



Decomposition voltage of natural sulfides of some metals and of sodium sulfide in fused salts. Zhur. prikl. khim. 34 no. 12:2674-2680 D '61. (MIRA 15:1)

(Sulfides) (Electromotive force)

DZLIYEV, Islam Iosifovich; YEGOROV, A.M., kand. tekhm. nauk, retsenzent; NEYMAN, M.N., red.; EL'KIND, L.M., red. izd-va; DOBUZHINSKAYA, L.V., tekhn. red.

宏和表现是各种的用题 IX系统组织设施的现代时间的现代的数据表现 经表达到 IX 在多数是安全是更强力, And Person

[Cadmium metallurgy] Metallurgiia kadmiia. Moskva, Metallurgiz-dat, 1962. 188 p. (Cadmium--Metallurgy)

YEGOROV, A.M.; ODINETS, Z.K.; Prinimala uchastiye: KUZNETSOVA, M.G.,

the form and the state of the s

Behavior of the sulfides of copper, zinc, lead, and iron during roasting in presence of sodium chloride. Sbor. nauch. trud. Gintsvetmeta no.19:293-307 '62. (MIRA 16:7)

(Nonferrous metals—Metallurgy) (Sulfides—Metallurgy)

YEGOROV, A.M.; TITOVA, Z.P.

Temperature dependence of solubility products of salts with multiatomic ions. Zhur.neorg.khim. 7 no.2:275-278 F '62.

(MIRA 15:3)

(Salts) (Solubility)

YEGOROV, A.M.; ODINETS, Z.K.

Approximate calculation of the dependence of metal hydroxide solubility products on temperature. Sbor. nauch. trud. Gintsvetmeta no.19:308-313 162. (MIRA 16:7)

(Hydroxide) (Solubility) (Metals, Effect of temperature on)

YEGOROV, A.M.; ODINETS, Z.K.

Certain conclusions from V.I.Kuznetsov's hypothesis of analogies. Zhur.neorg.khim. 7 no.3:706-708 Mr '62. (MIRA 15:3) (Chemistry, Analytical)

YEGOROV, A.M.; SMIRNOVA, M.N.

Preparation of nickel orthosilicate. Zhur. neorg. khim. 8 no.8: 1987-1988 Apr 163. (MIRA 16:8)

1. Institut obshchey i neorganicheskoy khimii imeni N.S. Kurnakova AN SSSR. (Nickel silicates)

YEGOROV, A. N.

Yegorov. A. N. "On river intakes in the Bada river basin (Southern Kazakhstan),"
Trudy Novocherkas. politekhn. in-ta im. Ordzhonikidze, Vol. XVII, 1948, p. 3-13 Bibliog: 11 items

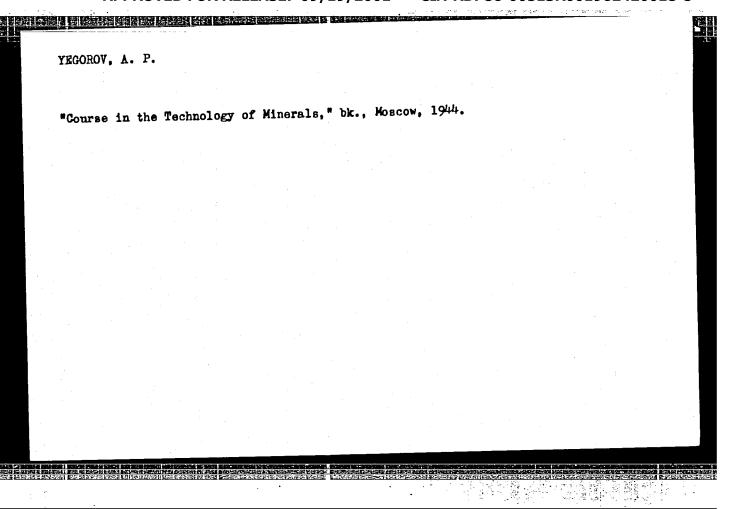
SO: U-3264, 10 April 1953, (Letopis 'Zhurnal 'nykh Statey, no. 3, 1949)

YEGOROV, A.P.; BOCHKAREV, V.V. [authors]; FARBER, V.B., doktor meditsinskikh nauk [reviewer].

"Hemopoiesis and iontophoretic radiation." A.P.Egorov, V.V.Bochkarev. Reviewed by V.B.Harber. Terap.arkh. 25 no.3:83-86 My-Je '53. (MIRA 6:9) (Radiation) (Blood) (Egorov, A.P.) (Bochkarev, V.V.)

# YEGOROV, A.P.

[Morphological blood analysis; handbook for doctors and students]
Morfologicheskii analiz krovi; rukovodstvo dlia vrachei i studentov. 5. izd., perer. i dop. Moskva, Medgiz, 1954. 49 p. (MLRA 8:1)
(Blood--Analysis and chemistry)



YECOROV, A. P.

A course in the technology of mineral substances. 2 izd., perer. Moskva, Gos., nauchno-tekh. izd-vo khim. lit-ry, 1950. 534 p. (51-26276)

TP155.E3 1950

. d. ... YEGGROV, A.F.

PHAGE I

THEASURE ISLAND STBLIOGRAPHIC REPORT

A1. 169-I

BOOK

Author: VOL'SKOVICH, D.I., YEGOROI, A.P. and EPSHTHIN, D.A.

Full Title: GEHARAL OHEMICAL PROMOLOGY (VOL. I)

Transliterated Title: Obshchaya khimicheskaya tekhnologiya

Publishing Data

Originating Agency: None

Fublishing House: State Scientific-Technical Publishing House of Chemical

Literature (GCSKHIMIZDAT)

Date: 1953

No. pr.: 632

No. of copies: 25,000

Editorial Staff

Editor: Luchinskiy, G.P.

Tech. id.: None

Appraiser: None

Editor-in-Chief: Vol'fkhovich, S.I., Acad.

Others: Gratituda is expressed to several Soviet scientists for their

valuable comments.

Three additional authors are mentioned: Z.A. Rogovin, fu. P. Rudenko

I.V. Shmanenkov.

Text Data

Coverage:

The book consists of two volumes. Volume I is devoted to general problems of chemical technology such as raw materials, enorgatics, technology of water and [wel], to the manufacture of games, acids,

OBSHCHAYA WHIMIDHE CHAYA TEN MOLCLIFA

alkalies, salts, fertilizers, and to electroconfical processes, etc. Some illustrations of machinery, tables, and diagrams are included. The book might be of interest because it mentions names of many Soviet scientists and their contributions to the development of various chanical industries. Deposits of some raw materials in the U.S.S.H. and goals set by the Five-fear Flam (1991-1994) for some industries are cited.

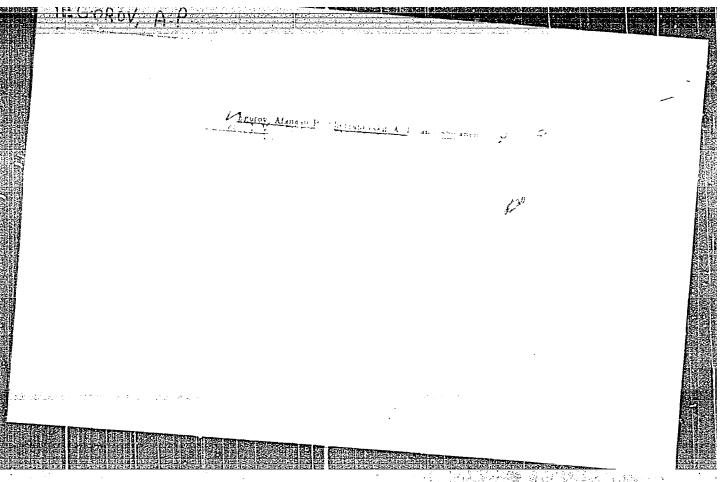
Purpose:

Approved by the Hinistry of Higher Education of the b.b. ... to a a textbook for departments and colleges of casaical technology.

Facilities: Names of many Soviet chamists are mentioned. No. of Amsian and Slavic deferences: 145 (1922-1952) Available: A.I.D., Library of Congress.

2/2

YEOOROV, A. Sep 53 "Review of S.I. Vol'fkovich, A.P. Yegorov and D.A. Epshteyn's book 'General Chemical Technology 268117 In this book material is organized on the basis of of solid fuel, conversion of petroleum and natural 268r17 similarity of technol processes and partly on the The section on thermal treatment of fuels discusses pyrolysis for production of conc  $\mathrm{HNO}_3$  by direct synthesis and combined production of  $\mathrm{HNO}_3$  and  $\mathrm{H}_2\mathrm{SO}_4$ . While the book has some shortcomings, it is a valuable textbook for higher educational institutions. chem ind during prewar 5-yr plans and the leading basic inorganic synthesis describes new processes The section on subterranean gasification. Development of the (Obshchaya Khimicheskaya Tekhnologiya)' Vol I, gas, and gasification of solid fuel, including 632 pp, Goskhimizdat, Moscow, 1953," (P.P. basis of common raw material source. USSR/Chemistry - Chemical Technology Usp Khim, Vol 22, No 9, pp 1165-1168 USSR chem schools are discussed. Budnikov, reviewer)



SLOMYANSKAYA, F.B., kandidat tekhnicheskikh nauk; DYATLOVA, V.N.; AFANAS'YEV, P.S.; YEGOROV, A.P.; VITKOVSKIY, M.N.; HISHIN, I.A.; MEDOVAR, B.I.; LANCKR, N.A.; PALICHUK, N.Yu., kandidat tekhnicheskikh nauk; PRID, Ya.L.; LEVIN, I.A., kandidat tekhnicheskikh nauk.

Methods of testing stainless steels for susceptibility to intergranular corresion. Zav.lab.21 no.11:1314-1340 155. (MIRA 9:2)

1. Vsessyuznyy nauchne-issledevatel'skiy i kenstrukterskiy institut khimicheskege mashinestreyeniya (fer Slemyanskaya, Dyatleva).2. Nachal'nik TSentral'ney zavedskey laberaterii (fer Afanas'yev).3. Nachal'nik laberaterii eksperimental'nege zaveda khimicheskege mashinestreyeniya.4. Sumskey mashinestreitel'nyy zaved imeni M.V. Frunze (fer Vitkevskiy, Mishin).5. Institut elektresvarki imeni Ye.O. Patena, Akademii nauk SSSR (for Medovar, Langer).6. Moskovskoye vyssheye tekhnicheskoye uchilishche imeni N.E. Baumana (for Pal'chuk).7. Zame-stitel' nachal'nika TSentral'noy zavodskoy laboratorii zavoda "Serpi Molot" (for Frid).

(Steel, Stainless--Corrosion)

YEGOROV, A.F.,
BARSUKOV, V.L.; YEGOROV, A.P.

Some geochemical peculiarities in the formation conditions of hypogenic borate deposits [with summary in English]. Geokhimia no.8:673-683 '57. (MIRA 11:2)

1.Institut geokhimii i analiticheskoy khimii im. V.I. Vernačskogo AN SSSR, Moskva. (Borates)

The principles of chemical technology by D.A. Epshtein. Reviewed by A.P. Egorov. Zhur. prikl, khim. 31 no.1:150-151 Ja '58.

(Chemistry, Technical)

(Epshtein, D.A.)

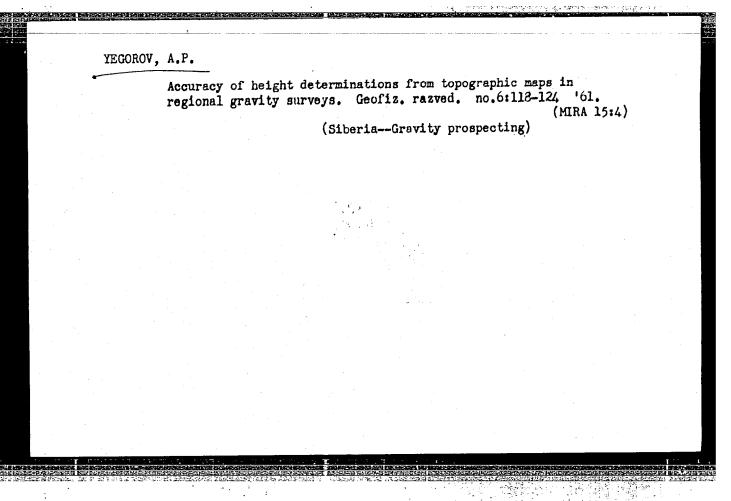
YEGOROV. A.P. inzh. Hobile magnetic flaw detector. Khim. mash. 3 ro.3:11-12 (Materials--Testing) (MIRA 12:12)

### YEGOROV, A.P.

Role of magnesium in the composition of metasomatic formations with borate mineralization. Geokhimiia no.2:164-176 '60. (MIRA 13:6)

1. V.I. Vernadsky Institute of Geochemistry and Analytical Chemistry, Academy of Sciences, U.S.S.R., Moscow.

(Borates) (Magnesium) (Metasomatism)



## YEGOROV, A.P.

Data on the boron content in some metamorphic rocks and their granitized varieties in the Taezhnoye iron ore deposit in southern Yakutia. Geokhimiia no.9:775-783 '61. (MIRA 15:2)

1. V.I. Vernadskiy Institute of Geochemistry and Analytical Chemistry, Academy of Sciences U.S.S.R., Moscow. (Yakutia-Boron)

YEGOROV, A.P.; NEMTSOV, L.D.

Practice of conducting semidetailed gravity surveys under the taiga conditions of Siberia. Razved. i prom. geofiz. no.42:62-71 '61. (MIRA 16:11)

YEGOROV, A.P.

Recalculation of chemical compositions in minerals and rocks on the basis of crystallochemical data.

Geokhimiia no.9:778-793 '62. (MIRA 15:11)

I. V.I. Vernadsky Institute of Geochemistry and Analytical Chemistry, Academy of Sciences, U.S.S.R., Moscow.
(Minerals—Analysis) (Rocks—Analysis)

Herometric leveling and aerial photographic surveying in geophysical surveying. Geod. i kart. no.5:27-30 My '63.

(Barometric hypsometry)

(Aerial photogrammetry)

YEGOROV, Afanasiy Petrovich; SHERESHEVSKIY, Abram Isaakovich; SHMANENKOV, Ivan Vasil'yevich; AVRAMOVA, N.S., red.; KOGAN, V.V., tekhn. red.

[General chemical technology of inorganic substances] Obshchaia khimicheskaia tekhnologiia neorganicheskikh veshchestv. Izd.4., perer. Moskva, Izd-vo "Khimiia," 1964. 687 p. (MIRA 17:3)

YEGOROV, A.P.; KULAKOV, I.N.; SLOUSH, M.M.; SHKULEPOVA, L.G.

Field testing of MBN-P microbarolevels. Geofiz.razv. no.14:
143-154 '63. (MIRA 17:3)

ACCESSION NR: AT4002127

S/2702/63/000/014/0143/0154

AUTHOR: Yegorov, A. P.; Kulakov, I. N.; Sloush, M. M.; Shkulepova, L. G.

TITLE: Field investigations of the MBN-P microbarometric levels

SOURCE: USSR. Glavnoye upravleniye geologii i okhrany\* nedr. Geofizichoskaya razvedka, no. 14, 1963, 143-154

TOPIC TAGS: surveying, surveying instrument, level, microbarometric level, aneroid, MBN P microbarometric level

ABSTRACT: The design and operating principles of the MBN-P microbarometric levels, manufactured by the "Gidrometpribor" plant, are described and illustrated (see Figs. 1 and 2 of the Enclosure). Several such instruments were standardized prior to field tests. Field tests carried out to check the elevations of gravimetric stations showed level errors of ±0.56 m (366 readings) and 0.68 m (315 readings) in sightings to gravimetric station elevations of 7 and 14 km, respectively, from the initial station level. The mean square error of closure was ±0.5-0.7m. Orig. art. has: 3 figures, 7 tables and 11 formulas.

ASSOCIATION: Glavnoye upravleniye geologii i okhrany\* nedr (Main Bureau for Geology and Conservation of Natural Resources)

\_\_1/4

Card

ACCESSION NR: AT4016747

8/2604/63/000/049/0080/0085

AUTHOR: Yegorov, A. P.; Lozinskaya, A. M.

TITLE: Comparative tests of high accuracy microbarometers

SOURCE: Moscow. Vses. n.-i. inst. geofiz. metodov razvedki. Razvedochnaya i promy\*slovaya geofizika (Prospecting and industrial geophysics), no. 49, 1963, 80-85

TOPIC TAGS: surveying, high accuracy surveying, barometer, aneroid barometer, microbarometer

ABSTRACT: In almost inaccessible regions of Siberia and the Soviet Far East, barometric levelling is of great importance. Barometric levelling is also widely used for gravimetric prospecting at scales of 1:1,000,000 and 1:200,000 when the mean square error in the determination of height is approximately ±5.0 when the mean square error in the determination of height is approximately ±5.0 and 2.5 m. Two types of highly accurate instruments have recently been designed by VNIIGeofizika - an aneroid level with a microsopic micrometer and a string microbarometer. The following barometers have been designed by other institutions: an optical microbarometer (SNIIGGIMS), a microbarometer with a flexible transmission (Gidrometeopribor plant in Moscow) and a microbarometer with a microscopic micrometer (VNIIKAZ neftegaz). A diagram of the first aneroid level is Card 1/3

ACCESSION NR: AT4016747

shown in Fig. 1 of the Enclosure. In the string microbarometer, which is designed for use as a field barometric station, the sensitive element is a hermetically sealed sylphon. Practical use of these instruments will permit an increase in the number of meteorological stations for detailed gravimetric prospecting in a given area. Orig. art. has: 3 figures and 1 table.

ASSOCIATION: Vses. n.-i. inst. geofiz. metodov razvedki, Moscow (All-Union Scientific Research Institute of Geophysical Prospecting)

SUBMITTED: 00

DATE ACQ: 13Feb64

ENCL: 01

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OTHER: 000

Card 2/3

## YEGOROV, A.P.

Some characteristics of the localization of metasomatosis and the mineralization related to it in regionally granitized Pre-Cambrian formations. Izv. AN SSSR Ser. geol. 29 no.7:12-23 Jl '64 (MIRA 18:1)

1. Institut geokhimii i analiticheskoy khimii imemi V.I.Vernadskogo AN SSSR, Moskva.

#### "APPROVED FOR RELEASE: 09/19/2001 CIA-F

#### CIA-RDP86-00513R001962420018-8

\_\_\_EWT(1), AM6019453 ACC NR. Monograph UR/ YEgorov, Aleksandr Pavlovich 62 Geodetic works during geophysical explorations (Geodezicheskiye raboty pri geofizicheskikh razvedkakh) Moscow, Izd-vo "Nedra", 66. 0191 p. illus., biblio. 3,250 copies printed. TOPIC TAGS: geodesy, geodetic survey, geodetic instrument, topography, aerial photography, barometer, radar mapping, height finding, coordinate PURFOSE AND COVERAGE: This book views the problems of preparing geodetic work during geophysical explorations, such as seismic, electrometric, gravimetric, magnetometric work and others. The book also includes problems, instruments, methods and procedures of laboratory study of results from the observations made during geophysical explorations. Special attention is given to new instruments used in production as well as to methods for carrying out the studies. This book is recommended for technical engineers performing geodetic work during geophysical explorations. It can also be useful to specialists in other fields in which the determination of coordinates and heights of points is produced by simplified methods. TABLE OF CONTENTS: (abridged): Introduction -- 3 Ch. I. Geodetic works -- 5 Card 1/2

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Ch. I	I. Use	of topo	ographic	maps -	- 25			,				
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YEGOROV, A.S., dotsent

Uterine atresia. Akush. i gig. 33 no.2:56-61 Mar-Ap '56. (MIRA 9:7)

1. Iz kafedry akusherstva i ginekologii (zav.-prof. Ya.V.Kukolev)

Dnepropetrovskogo meditsinskogo insituta.

(UTERUS, abnorm.

atresia, surg.)

(ABNORMALITIES

atresia of uterus, surg.)
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#### YEGOROV, A. S.

Pathogenesis of intrauterine asphyxia of the fetus in prolonged pregnancy, late toxicosis and heart defects in pregnant women. Akush. i gin. no.4:52-59 '62. (MIRA 15:7)

1. Iz kafedry akusherstva i ginekologii (zav. - dotsent A. S. Yegorov) fakuliteta Dnepropetrovskogo meditsinskogo instituta.

(ASPHYXIA) (PREGNANCY, PROTRACTED) (TOXEMIA) (HEART—DISEASES)

YEGOROV, A.S. (Leningrad)

Studying the siming capacity of the eye [with summary in English].

Vop. psikhol. 4 no.5:47-55 S-0 '58. (MIRA 11:12)

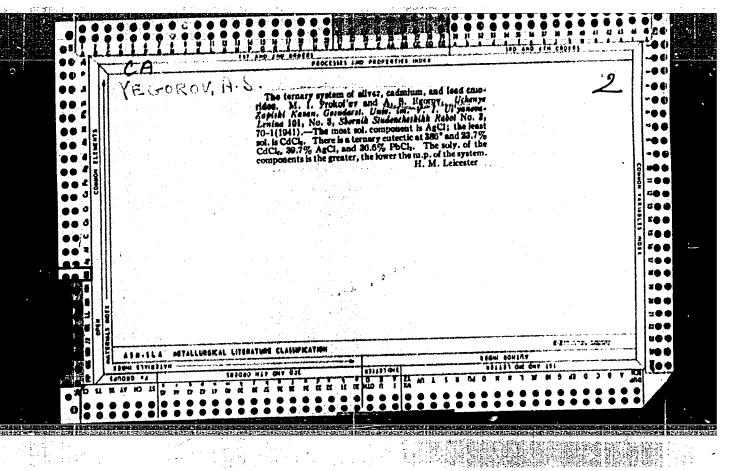
(Eye)

#### YEGOROV, A. S.

Hypogene nonuniform lixiviation of quartz in iron-bearing quartzites of the Kursk Magnetic Anomaly. Dokl. AN SSSR 147 no.42920-923 D 62. (MIRA 16:1)

1. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii AN SSSR. Predstavleno akademikom D. S. Korzhinskim.

(Kursk Magnetic Anomaly—Quartz)
(Metamorphism(Geology)



YEGOROV, A.J.		Secretary Secretary Control of the C	o de la companya del la companya de la companya del la companya de	
	New types of silver chloride refere	Riev Branch All-		
	Mew types of silver chloride refere A. S. Egorov and G. L. Visnevskaya linion Sci. Research Inst. Reference El Khim. Zhur. 20, 232-5(1954).—These their characteristic properties are described to the commended for precise pH detns. and thrations.	half-elements and ibed. Their use is i for potentiometric	11/1	
	titrations.	J. Rovini Letting	Wi	
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STABNIKOV, V.N.; YEGOROV, A.S.; VISNEVSKAYA, G.L.; SOKOL'SKAYA, Ye.V.

Composition of the ether-aldehyde fraction. Trudy UkrNIISP no.5:139-145 '59. (MIRA 16:11)

YEGOROV, A.S.; MYAKOTA, L.I.; POLUNIN, I.P.; TARANETS, A.M.

Improving the design of ionometers. Trudy UkrWIISP no.5:189196 '59. (MIRA 16:11)

YEGOROV, A.S. Experimental investigation of the overcoming of difficulties under competitive conditions [with summary in English]. Vop. psikhol. 6 no.1:128-134 Ja-F 60. (MIRA 13:6) (MIRA 13:6) 1. Kafedra psikhologii. (Sports--Psychological aspects)

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APPROVED FOR RELEASE: 09/19/2001

S/245/62/000/005/002/002 D'222/D307

AUTHOR:

TITLE:

The adaptation of sportsmen to hypoxemia during re-Yegorov, A.S. peated suppression of breathing under different

mental attitudes

Voprosy psikhologii, no. 5, 1962, 84-90

This study was carried out owing to the lack of information in the literature on the possibilities, direction, limits PERIODICAL: and mechanism of adaptation to hypoxemia under various mental attitudes. Four series of experiments were carried out with 40 subjects. In the first series the mental attitude was uncontrolled; in the second the subjects were asked to do simple arithmetical calculations; ond the subjects were asked to do simple arithmetical calculations; in the third they were asked to concentrate on the difficulties of their situation; in the fourth they were asked to take a positive attitude and to think of activities where oxygen intake is small. Each subject underwent 10 periods of suppression, the duration of Each subject underwent 10 periods of suppression, the duration of these periods were defined by the time taken to reduce the oxyhemo-

Card 1/2

CIA-RDP86-00513R001962420018-8" **APPROVED FOR RELEASE: 09/19/2001** 

The adaptation of sportsmen ...

S/245/62/000/005/002/002 D222/D307

globin contents of arterial blood to 6% of the initial level. The average times for the four experimental conditions were as follows: 1 min 25.5 sec; 1 min 31.3 sec; 1 min 20.3 sec and 1 min 37.8 sec respectively. The differences in the development of adaptation can be seen from the differences between the first and last periods of suppression: 17 sec, 23 sec, 13 sec, and 32 sec respectively for the four series. These results can be explained according to the Pavlovian theory by invoking certain signalling functions of consciousness. The author concludes that the results of this investigation constitute evidence showing that mental attitudes can influence the adaptation of the organism to hypoxemia. There are 2

ASSOCIATION:

Kafedra psikhologii institut fizicheskoy kul'tury im. P.F. Lesgafta, Leningrad (Department of Psychology, Institute of Physical Education im. P.F. Lesgaft, Leningrad)

Card 2/2

YEGOROV, A.S.

Experimental study on overcoming difficulties in dynamic work. Vop. psikhol. 8 no.1:19-27 Ja-F '62. (MIRA 15:4)

1. Kafedra psikhologii instituta fizicheskoy kul'tury imeni P.F.Lesgafta, Leningrad. (CONDITIONED RESPONSE) (EXERCISE)

ARTYUKHOV, V.G.; YEGOROV, A.S.; BEREZNIKOVA, D.S.

Movement of nitrogen compounds in the column during the rectification of alcohols produced from molasses. Izv. vys. ucheb. zav.; pishch. tekh. no.6:31-33 '63.

(MIRA 17:3)

1. Ukrainskiy nauchno-issledovatel'skiy institut spirtovoy i likerovodochnoy promyshlennosti, laboratoriya khimii i rektifikatsii spirta.

ARTYUKHOV, V.G.; BEREZNIKOVA, D.S.; YEGOROV, A.S.; KLIMENKO, K.V.

Losses of fusel oil in the products of yeast separation. Spirt. prom. 29 no.6:36-37 '63. (MIRA 16:10)

1. Ukrainskiy nauchno-issledovatel'skiy institut spirtovoy i likero-vodochnoy promyshlennosti. (Distillation) (Fusel oils)

ARTYUKHOV, V.G.; YEGOROV, A.S.; Prinimala uchastiye Klimenko, K.V., khimik

Movement of fusel oil in the rectification column of a beer still with indirect action futing the manufacture of high purity alcohol from molasses mash. Trudy Ukr.NIISP no.8:36-47 '63. (MIRA 17:3)

MATYUSHA, A.G.; YEGOROV, A.S.; PETROVSKAYA, M.V.

Investigating alcohol losses and impurities in the return of the ether-aldehyde fraction to the production in molasses distilleries. Trudy Ukr.NIISP no.8:48-59 '63. (MIRA 17:3)

MATYUSHA, A.G.; YEGOROV, A.S.; PETROVSKAYA, M.V.

Studying the balance of esters, aldehydes and acids in the fractional distillation of molasses alcohol. Trudy UkrNIISP no.9:44-50 '64. (MIRA 17:10)

ARTYUKNOV, V.G.: YEGOROV, A.S.; MAL'TSEV, P.M.; BEREZNIKOVA, D.S.

Studying the balance of fusel oil in the production of higher alcohols from molasses beer. Trudy UkrNIISP no.9:51-58 164.

(MIRA 17:10)

DANILKO, G.V.; YEGOROV, A.S.; STABNIKOV, V.N., prof., nauchnyy konsul'tant

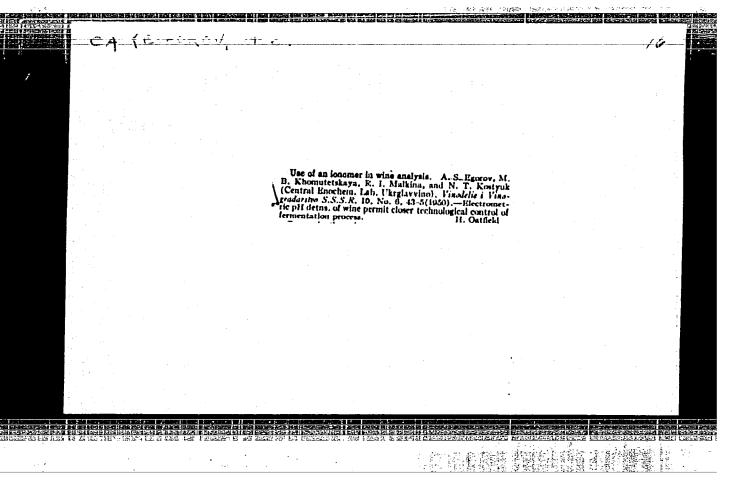
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Use of ion exchange resins for removal from the alcohol of impurities inseparable during the rectification. Trudy UkrNIISP no.9:59-71 '64. (MIRA 17:10)

ARTYUKHOV, V.G.; YEGOROV, A.S.; BERESZNIKOVA, D.S.

Effect of the reflux ratic on the distribution of alcohol immitties in a rectifying column. Ferm. i spirt. prom. 30 no.5:16-19 '64. (MIRA 17:10)

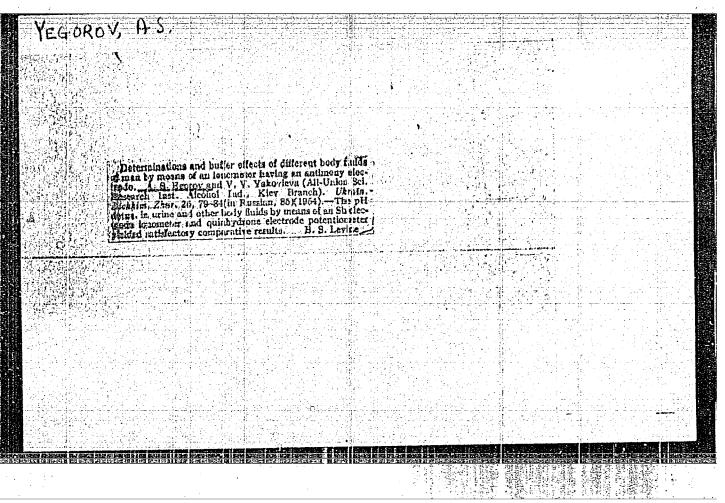
1. Ukrainskiy nauchno-issledovatel'skiy institut spirtovoy i likero-vodochnoy promyshlennosti.

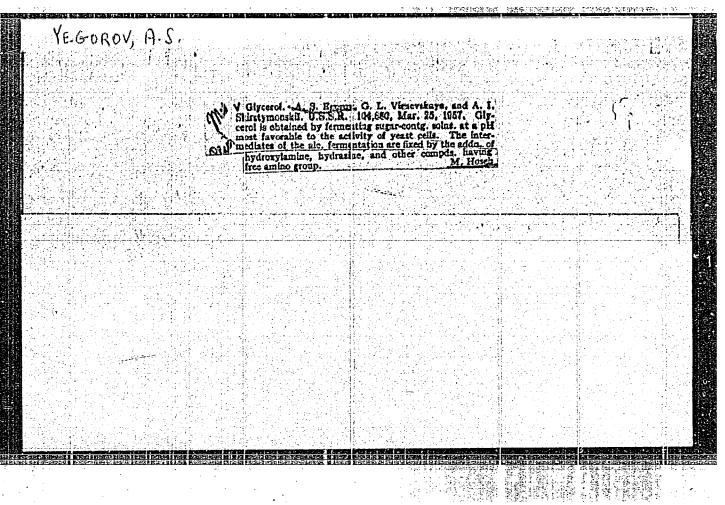


YEGOROV, A. S.

Dissertation: "Investigation and Improvement of Control of the Acidity of Intermediate Froducts of the Alcohol Industry." Cand Tech Sci, Kiev Technological Inst of the Food Industry imeni A. I. Fikoyan, 23 Apr 54. (Fravda Ukrainy, Kiev, 4 Apr 54.)

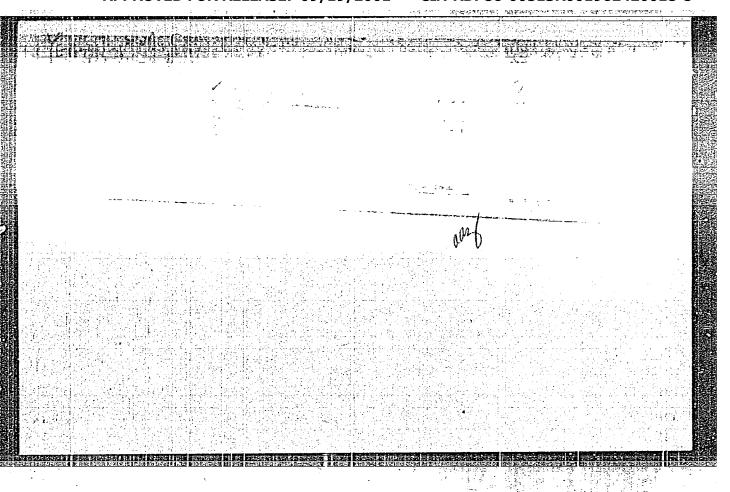
SO: SUM 243, 19 Oct 1954





# "APPROVED FOR RELEASE: 09/19/2001 C

#### CIA-RDP86-00513R001962420018-8



YEGOROV. A.S.; VISHNEVSKAYA, G.L.; SOKOL'SKAYA, Ye.V.

Composition of alcoholic liquors in the purifying column.

Spirt. prom. 24 no.7:18-22 '58. (MIRA 11:11)

(Distillation apparatus)