"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

TORMAZOV, S.V.; YEROFALOV, N.L.

Complex system of repairing engineering structures. Put' i put.khoz. 7 no.4:13-14 '63. (MIRA 16:3)

1. Nachal'nik otdela puti otdeleniya dorogi, stantsiya Perm' Sverdlovskoy dorogi (for Tormazov). 2. Glavnyy inzh. Permskoy distantsii Sverdlovskoy dorogi (for Yerofalov).
(Railroad bridges—Maintenance and repair)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

YEROFALOV, V. A.

New data on the structure of the Oleynikovskoye gas field.
Geol. nefti i gaza 7 no.1:60-63 Ja '63.
(MIRA 16:1)

1. Astrakhanskaya geofizicheskaya ekspeditsiya.

(Astrakhan Province—Gas, Natural—Geology)

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

38751
S/194/62/000/005/057/157
D256/D308

9.4177
26.2420

AUTHORS: Yerofeichev, V.G., and Kurbatov, L.N.

TITLE: Recording of photoconductivity of PbS by microwave absorption

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 5, 1962, abstract 5-3-60 f ("Fotoelektr. i optich. yavleniya v poluprovodnikakh". Kiev, AN UkrSSR, 1959, 213-218)

TEXT: Results are presented of an investigation of the photoconductivity of PbS-layers carried out at frequency of 10^{10} c/s in order to determine the role of the barrier mechanism. The photoconductivity was determined by means of measuring the attenuation of microwaves in a volume resonator under illumination of the PbS layer placed in the region of the maximum field. 2 methods of observing the photoconductivity are described: 1) Wobbling the frequency of the microwave generator and observing the resonance curves on a C.R. oscilloscope with and without illumination; 2) modulating the light illuminating the layer and recording the modulation of the microwave

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absorbtion by means of a detector-indicator arrangement. The elements of the experimental installations are described. It is shown that the barrier mechanism cannot be unique and that the most important in photoconductivity is the mechanism of basic carrier concentration changes. The dependence of the signal upon the intensity of the light was found to be linear at low intensities and sub-linear at higher intensities. 8 references. [Abstractor's note: Complete translation].

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

20140

9,3140 (and 1137, 1155)

S/181/61/003/002/038/050
B102/B201

AUTHORS: Yerofeichev, V. G. and Kurbatov, L. N.

TITLE: Temperature dependence of the conductivity of lead sulfide layers at a frequency of 10^{10} cps

PERIODICAL: Fizika tverdogo tela, v. 3, no. 2, 1961, 595-598

TEXT: The authors have reported in a previous paper on studies made regarding the conductivity of PbS layers in the microwave region at room temperature, when they found conductivity to be by one order of magnitude higher as compared with the case of direct current. At 10^{10} cps, ε is of the order of 500-1000, and, thus, considerably higher than would result from the optical refractive index of PbS crystals. This effect was explained on the basis of the model of the inhomogeneous semiconductor (which consists of well-conductive crystallites, on whose surface regions of a low conductivity appear with activation, so that the layer resistance is increased). A study has been made of the temperature dependence of conductivity σ. ε and σ were measured by the resonance method - ε being determined from the shift of the resonance frequency, and σ from the change of quality factor Q on introducing

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

S/181/61/003/002/038/050
B102/B201

Temperature dependence of ...

the specimen into the resonator. The layers under investigation were sputtered in vacuo upon 10-mm large quartz- or mica sheets. The σ of the layer was calculated from the electric field strength in the resonator, and likewise determined by the method of small disturbances. The resonator was made of invar and its coefficient of thermal expansion was $0.8 \cdot 10^{-6}$; on a change of temperature by 1°C, its frequency varied by 25 kc/sec. A mercury diffusion pump served to maintain the pressure in the resonator at $1 \cdot 10^{-5}$ mm Hg; the H_{01} wave was excited in the (cylindrical) resonator. Q of the resonator was 12,500 at room temperature, and up to 18,000 at liquid-oxygen temperature. The measurements were made in the range of -183 - +100°C. Fig. 1 shows the block diagram of the experimental setup. Measurements showed that the $\sigma(T)$ dependence was considerably lower than in the case of direct current. The numerical results of the measurements are compiled in Table 1 (shf) and Table 2 (d.c., V = 70 v). If the activation energy is assumed to obey the formula $\sigma = \sigma_0 \exp(-\Delta E/kT)$, one then obtains ΔE of the order of 0.01-0.02 ev (in case of shf measurements); d-c measurements yielded for one of the seven layers investigated in the range of 20 - -135°C: $\Delta E \sim 0.18$. The temperature dependence was found to be little

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dependent upon the layer preparation. As in the previous paper, the results are explained by the model of the inhomogeneous semiconductor, using the formula by Odelevskiy-Levin: $\varepsilon = \varepsilon_1 [1 + 3x/(\varepsilon^* - x)]$ (1), where $\varepsilon^* = (\varepsilon_2 - 2\varepsilon_1)/(\varepsilon_2 - \varepsilon_1)$, ε is the dielectric constant of the layer, ε_1 that of the high-resistance intermediate layers, and ε_2 that of the well-conductive grains, x is the part of volume occupied by the grains. Fig. 2 shows to what considerable extent $\sigma(T)$ - here log σ versus $10^3/T^\circ K$ - differs for d-c and shf measurements) (curve a). The temperature coefficient of conductivity is given by formula (2). The quantities are designated in the same way as in (1), the primed ε denoting the real parts, λ being the wavelength. For $\varepsilon' = 720$, $\sigma = 1.6$, $\sigma_1 = 5 \cdot 10^{-4}$, and $\sigma = 12$ ohm^{-1}·cm^{-1}, $x = 0.94$, and $\varepsilon_1' = 18$ one obtains $K = 6 \cdot 10^{-4} K_1 - 0.5 K_2$. S. P. Tibilov is thanked for his assistance and interest, and I. G. Kopilevich for having supplied the specimens. There are 2 figures, 1 table, and 1 Soviet-bloc reference.

SUBMITTED: June 29, 1960

Card 3/6

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

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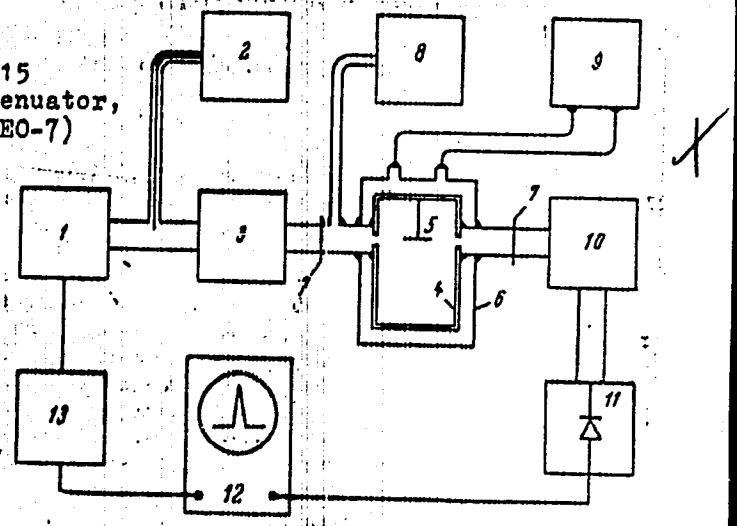
B102/B201

Temperature dependence of ...

Legend to Fig. 1: 1) 43-И (43-I) generator of the 3-cm region, 2) echo resonator, 3) matcher, 4) resonator, 5) PbS layer, 6) metal housing, 7) mica window, 8) vacuum system, 9) TC-15 (TS-15) thermostat, 10) 3-db attenuator, 11) crystal detector, 12) ЭО-7 (EO-7) oscilloscope, 13) generator.



Card 4/6

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Temperature dependence of ...

Fig. 2

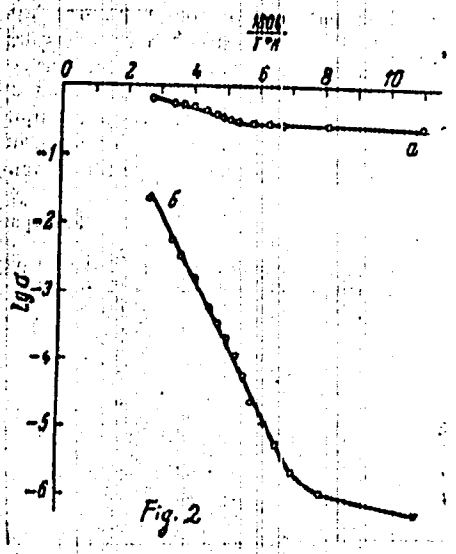

Fig. 2

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Temperature dependence of ...

Tab. 1

T, °C	σ, ом⁻¹ · см⁻¹	Q
−183	0.26	10400
−150	0.26	10250
−125	0.27	9750
−113	0.28	9500
−100	0.29	9300
−86	0.3	9100
−78	0.32	8700
−70	0.34	8500
−60	0.39	7850
−46	0.44	7900
−39	0.47	7000
−25	0.5	6600
0	0.52	6350
+20	0.54	6250

V = 70 в Tab. 2

T, °C	ρ, ом⁻¹ · см⁻¹
−183	$5.5 \cdot 10^{-7}$
−150	$1.2 \cdot 10^{-6}$
−135	$2.3 \cdot 10^{-6}$
−123	$5.7 \cdot 10^{-6}$
−113	$1.2 \cdot 10^{-5}$
−105	$2.3 \cdot 10^{-5}$
−96	$5.7 \cdot 10^{-5}$
−88	$1.2 \cdot 10^{-4}$
−80	$2 \cdot 10^{-4}$
−59	$5.7 \cdot 10^{-4}$
−33	$1.5 \cdot 10^{-3}$
−11	$2.6 \cdot 10^{-3}$
0	$3.3 \cdot 10^{-3}$
+20	$5.5 \cdot 10^{-3}$

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

30788

S/181/61/003/011/029/056
B125/B104

9.4177 (1035,1051)
26.2421

AUTHOR: Yerofeichev, V. G.

TITLE: Temperature dependence of photoconductivity and lifetime in PbS films at a frequency of 10^{10} cps

PERIODICAL: Fizika tverdogo tela, v. 3, no. 11, 1961, 3429-3434

TEXT: The photoconductivity and lifetime of 0.5-μ PbS films chemically prepared on quartz and glimmer substrates and of vacuum-deposited ~2-μ PbS films were studied by the resonator method at 10^{10} cps and with direct current. In particular, the author measured the lifetime τ at superhigh frequencies by the τ-meter method. Fig. 2 shows the temperature dependence of the logarithm of conductivity for chemically produced PbS films. At superhigh frequencies, the dark photoconductivity and conductivity are only slightly temperature-dependent; however, the photoconductivity $\Delta\sigma_{\sim}$ at room temperature, measured at superhigh frequencies, is three times as high as the photoconductivity measured for direct current at room temperature. A temperature drop to -183°C increases this difference by about ten times. The lifetimes measured by the resonator

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Temperature dependence of ...

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B125/B104

(10^{10} cps) and τ-meter methods (direct current) were equal from 20 to -183°C. At a light density of 1 milliwatt/cm^2, τ is slightly temperature-dependent. At 0.1 milliwatt/cm^2, τ increases by one order of magnitude with a temperature drop to -100°C. At even lower temperatures, τ changes only slightly. At low temperatures, the values of $\Delta\sigma/\sigma$ for lead sulfide, measured at superhigh frequencies and direct current, are largely different. The lifetimes measured at 10^{10} cps and direct current are equal between 20 and -183°C. At superhigh frequencies, all the carriers in the crystallites make a contribution to conductivity, and the change in conductivity under the action of light is related only to the primary photoeffect. The amplification factor $K = (\Delta\sigma/\sigma)_{\sim}/(\Delta\sigma/\sigma)_{=}$ which characterizes the intensifying effect of barriers on illumination, is about equal to unity at 20°C and increases with decreasing temperature. At low intensities of light, K increases. Carriers in layers are much less mobile than they are in single crystals. Summing up: The carrier concentration in lead-sulfide layers, as determined from the Hall effect, is equal to the number of carriers penetrating through the barrier, and not to the concentration in the crystallites. [illegible] are given to S. P.

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Tibilov, and V. V. Balakov for discussions, as well as M. S. Davydov, and I. G. Kopilevich for supplying the samples. There are 6 figures, 2 tables, and 7 references: 2 Soviet and 5 non-Soviet. The three most recent references to English-language publications read as follows: D. P. Snowden, A. M. Portis, Phys. Rev., 120, 6, 1983, 1960; R. L. Petritz, Phys. Rev., 104, 1510, 1956; I. F. Woods, Phys. Rev., 106, 2, 235, 1957.

ASSOCIATION: Gosudarstvennyy opticheskiy institut im. S. I. Vavilova Leningrad (State Optical Institute imeni S. I. Vavilov, Leningrad)

SUBMITTED: June 14, 1961

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

YeRofeichev, V. G.

24(4) PHASE I BOOK EXPLOITATION SOV/3140

Akademiya nauk Ukrainskoy SSR. Institut fiziki

Fotoelektricheskiye i opticheskiye yavleniya v poluprovodnikakh; trudy pervogo vsesoyuznogo soveshchaniya po fotoelektricheskim i opticheskim yavleniyam v poluprovodnikakh, g. Kiyev, 20-26 noyabrya 1957 g (Photoelectric and Optical Phenomena in Semiconductors; Transactions of the First Conference on Photoelectric and Optical Phenomena in Semiconductors...) Kiyev, 1959. 403 p. 4,000 copies printed.

Additional Sponsoring Agency: Akademiya nauk SSSR. Presidium. Komissiya po poluprovodnikam.

Ed. of Publishing House: I. V. Kisina; Tech. Ed.: A. A. Matveychuk; Resp. Ed.: V. Ye. Lashkarev, Academician, Ukrainian SSR, Academy of Sciences.

PURPOSE: This book is intended for scientists in the field of semiconductor physics, solid state spectroscopy, and semiconductor devices. The collection will be useful to advanced students in universities and institutes of higher technical training specializing in the physics and technical application of semiconductors.

COVERAGE: The collection contains reports and information bulletins (the latter are indicated by asterisk) read at the First All-Union Conference on Optical and Photoelectric Phenomena in Semiconductors. A wide scope of problems in semiconductor physics and technology are considered: photoconductivity, photoelectromotive forces, optical properties, photoelectric cells and photoresistors, the actions of hard and corpuscular radiations, the properties of thin films and complex semiconductor systems, etc. The materials were prepared for publication by E. I. Rashboy, O. V. Snitko, K. B. Tolpygo, A. F. Lubchenko, and M. K. Sheynkman. References and discussion follow each article.

Photoelectric and Optical Phenomena (Cont.) SOV/3140

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APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

YEGOROVA, Tat'yana Mikhaylovna; KANIVETS, M.A., retsenzent; RYZHYKH, I.I., starshego prepod., retsenzent; STEPANOV, S.P., assistent, retsenzent; GENDEL'MAN, M.A., prof., retsenzent; GENDEL'MAN, A.M., kand. ekon. nauk, retsenzent; KUROPATENKO, F.K., prof., retsenzent; KONTOROVICH, I.A., starshiy prep., retsenzent; YEROFEYENKO, A.G., assisten, retsenzent; DAVYDOV, G.P., red.; SHAMAROVA, T.A., red. izd-va; SUNGUROV, V.S., tekhn. red.

[Topographical drawing]Topograficheskoe cherchenie. Moskva, Geodezizdat, 1961. 158 p. (MIRA 15:8)

1. Zaveduyushchiy kafedroy geodezii Omskogo sel'skokhozyaystvennogo instituta (for Kanivets). 2. Zaveduyushchiy kafedroy zemleustroystva TSelinogradskogo sel'skokhozyaystvennogo instituta (for Gendel'man, M.A.). 3. Zaveduyushchiy kafedroy zemleproyektirovaniya i planirovki sel'skikh zaselennykh mest Belorusskoy sel'skokhozyaystvennoy akademii (for Kuropatenko).
(Topographical drawing)

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

YEROFEYEV, A.A.

Mathematical logic. Uch.zap.MOKPI no.3:58-71 '59.
(MIRA 13:5)
(Logic, Symbolic and mathematical)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

YEROF'EYEV, A. A.

YEROFEYEV, A. A.: "The problem of mixing viscous-plastic media." Min Higher Education USSR. Kazan' Chemicotechnological Inst imeni S. M. Kirov. Kazan', 1956.
(Dissertation for the Degree of Candidate in Technical Sciences)

So: Knizknaya Letopis', No. 18, 1956

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

85374

S/081/60/000/017/009/016
A006/A001

11.2000

Translation from: Referativnyy zhurnal, Khimiya, 1960, No. 17, p. 284, # 69745

AUTHORS: Yerofeyev, A.A., Trufanov, A.A.

TITLE: A Method of Rheodynamic Simulation of Viscous-Plastic Media

PERIODICAL: Tr. Kazansk. khim-tekhnol. in-ta, 1957 (1959), No. 22, pp. 99-109

TEXT: The authors discuss a method of generalizing criterial equations of viscous and viscous-plastic flow when the kinematic similarity in analogous points is not applicable. The method of generalizing the criterial equation $Eu = -f(Re_o)$ for viscous and viscous-plastic liquids is based on the experimental or analytical determination of the reduction coefficient β from the condition La_o = idem for both liquids, where La_o is the generalized Lagrange criterion. Coefficient β expresses the effective part of the dynamical extremal shear stress in the summary form of the friction force. The drop of pressure consumed to overcome the friction forces during the motion of viscous and viscous-plastic liquids, is calculated by the generalized function $Eu = f(Re_o)$. The kinematic structure of

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

S/081/60/000/017/009/016
A006/A001

A Method of Rheodynamic Simulation of Viscous-Plastic Media

a viscous-plastic flow can be evaluated with the use of criterion $T = \Delta P/\theta$, being determined where ΔP is the resulting drop of pressure, and θ is the dynamic extremal shear stress.

R.K.

Translator's note: This is the full translation of the original Russian abstract.

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

10(2) SOV/64-59-5-18/28

AUTHORS: Yerofeyev, A. A., Tyabin, N. V.

TITLE: Intermixture of Viscous-plastic Disperse Systems by the Aid of Agitators

PERIODICAL: Khimicheskaya promyshlennost', 1959, Nr 5, pp 436-441 (USSR)

ABSTRACT: The process of intermixture of viscous-plastic fluids is illustrated according to the theory of resemblance (Refs 5,6). The calculations for the purpose of generalizing experimental data and calculating the necessary capacity for intermixture of viscous-plastic fluids, base on the equation $Eu_M = KRe_M^m$ (14) (Eu_M = Euler-criterion, Re_M = Reynolds criterion, K = coefficient, m = experimental value, the index M means the generalization of resemblance criterions for viscous and viscous-plastic fluids). The criterion of boundaries was laid down (being characteristic in the region, in which the fluid starts to flow with increasing velocity), and measurements were made by a testing arrangement (Fig 1) with 6 different agitators of the frame type and with 3 agitators of the turbine type (Fig 2). One of the agitator types is used in Kazanskiy neftemaslozavod

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

Intermixture of Viscous-plastic Disperse Systems by the Aid of Agitators

(Kazan' Oil Plant). The single agitators exhibit different sizes in relation to each other (Table 1). The intimate mixture of synthetic (lubricating) greases US_3-2 and of petroleum mixtures was investigated by means of a rotation-viscosimeter RV-8. The functions between the Euler and Reynolds criterions were obtained for every used agitator by generalizing the experimental data according to methods of the theory of similarity (Fig 6, Table 2). The method of calculating the capacity, that is necessary for intermixture of viscous-plastic fluids, is suggested on the strength of results obtained. The shape of the free surface in the agitator vessel as well as the criterion of the boundaries are of no special importance to the agitator capacity required. There are 2 figures, 6 tables, and 7 references, 5 of which are Soviet.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

YEROFEYEV, A.A.; SHKLYAR, L.A.; TYABIN, N.V.

Rotating viscosimeter of high sensitivity. Zav.lab. 26 no.3: 356-358 '60. (MIRA 13:6)

1. Khimiko-tekhnologicheskiy institut, Kazan'.
(Viscosimetry)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

YEROFEYEV, A. A.

Selecting the automatic control system for grape juice pasteurization and refrigeration equipment. Trudy MTIPP 1: 129-135 '61. (MIRA 16:1)

(Automatic control) (Grape juice)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

MAMAKOV, A.A.; YEPIFANOV, P.V.; YEROFEYEV, A.A.

Testing vacuum deaerators with a jet spraying system. Trudy MVIIPP 2:87-95 '62. (MIRA 16:4)
(Vacuum apparatus—Testing)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

YEROFEYEV, A.A.; PRAVDA, Ye.I.; LOMAKIN, V.K.

Automation of the cooking of preserves. Trudy MNIIPP 2:109-113 '62. (MIRA 16:4)

(Moldavia--Canning and preserving) (Automation)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

YEPIFANOV, P.V.; YEROFEYEV, A.A.

Use of ultracoolers in the manufacture of grape juice. Kons.i ov.prom. 17 no.10:6-9 O '62. (MIRA 15:9)

1. Moldavskiy nauchno-issledovatel'skiy institut pishchevoy promyshlennosti.

(Grape juice)
(Refrigeration and refrigerating machinery)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

YEROFEYEV, A.A., insh.; YEPIFANOV, P.V., insh.

Cooler with a stirring element. Khol. tekh. 39 no.5:21-25 S-O '62. (MIRA 16:7)

1. Moldavskiy nauchno-issledovatel'skiy institut pishchevoy promyshlennosti.
(Crystallization)
(Refrigeration and refrigerating machinery)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

MAMAKOV, A.A.; YEROFEYEV, A.A.; TUPALOV, N.I.

Desaeration of fruit and berry juices under a vacuum. Izv.vys.ucheb.-zav.; pishch.tekh. no.1:77-81 '63. (MIRA 16:3)

1. Kishinevskiy gosudarstvennyy universitet i Moldavskiy nauchno-issledovatel'skiy institut pishchevoy promyshlennosti.
(Fruit juices) (Vacuum apparatus)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

MAMAKOV, A.A.; YEROFEYEV, A.A.

Deaerators for fruit and berry juices. Izv. vyss. ucheb. zav.; pishch. tekh. no.2:113-118 '63. (MIRA 16:5)

1. Kishinevskiy gosudarstvennyy universitet i Moldavskiy nauchno-issledovatel'skiy institut pishchevoy promyshlennosti.
(Fruit juices)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

YEPIFANOV, P.V.; [redacted], A.A.

Hydrochemical and thermotechnical characterization of coolers with an agitation system. Trudy MKHIPP 5:36-47 '64. (MIRA 19:1)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

YEPIFANOV, P.V.; YEROFEYEV, A.A.; ZELENSKAYA, M.I.

Removal of excess potassium bitartrate in the grape juice flow. Trudy MNIIPP 5:47-50 '64.

(MIRA 19:1)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

SHAPA, P.I.; [redacted], A.A.

Automatic temperature regulation in juice pasteurization in tubular heaters. Trudy VNIIKP 5:65-67 '64.

(MIRA 19:1)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

YEROFEYEV, A.F.; SEMENCHENKO, I.I., zasl. deyatel' nauki i tekhniki, doktor tekhn. nauk, prof., otv. red.

[Some characteristics of cutting internal gears with gear cutters; separate lecture] O nekotorykh osobennostiakh narezaniia zubchatykh koles vnutrennego zatsepleniia dolbiakami; otdel'naia lektsiia. Moskva, Mosk. stankoinstrumental'nyi in-t, 1964. 92 p. (MIRA 17:12)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

MYULLER, E.K.; SMIRNOVA, L.Ya.; YEROFEYEV, A.I.

New machines for the treatment of asbestos. Trudy NIIasbest. no.2:99-109 '62. (MIRA 16:12)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

ACCESSION NR: AP4026952 S/0258/64/004/001/0036/0044

AUTHOR: Yerofeyev, A. I. (Moscow)

TITLE: Interaction of atoms with the surface of a solid

SOURCE: Inzhenernyy zhurnal, v. 4, no. 1, 1964, 36-44

TOPIC TAGS: accomodation coefficient, collision cross section, particle scattering

ABSTRACT: For sufficiently high velocities ($v \geqslant 10^6$ cm/sec) of incident atoms the interaction of an atom (mass, m_1) with the surface of a solid can be described as a collision with a collection of noninteracting solid elastic spheres (mass, $m_2 > m_1$) each having a collision cross section

$$\sigma_0 = \pi R^2,$$

Letting

$$x = m_1/m_2,$$

it is assumed that

$$x^2 \ll 1$$

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ACCESSION NR: AP4026952

and that the incident particle is reflected as a result of a single collision with an atom of the solid either internally or at the surface. Then the probability of reflection into the solid angle

$$d\Omega_1 = \sin\chi\, d\beta d\chi$$

is given by

$$dw = \frac{1}{4\pi}\left[\frac{\sigma}{\sin\varphi} + \left(1 - \frac{\sigma}{\sin\varphi}\right)\frac{\cos\chi}{\cos\chi + \sin\varphi}\right] \times$$

$$\times\, [1 - 2\varkappa\,(\sin\chi\cos\beta\cos\varphi + \sin\varphi\cos\chi)]\, d\Omega_1,$$

or

$$dw = f(\varphi, \chi, \beta)\, d\Omega_1.$$

Here $\sigma = n_d\, \sigma_o$ where n_d is the density of atoms in the surface layer. The incidence angle φ, reflection angle χ, and azimuth angle β are shown in Fig. 1 on the Enclosure. For small φ this equation must be modified by introducing a new cross section

$$\sigma_1 < \sigma_{o_1}$$

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to take into account the partial shadowing of adjacent surface atoms. Tables giving values required to evaluate σ_1 are included. If an incident particle has a velocity v_0 and energy E_0, then the velocity v_p and the loss of energy E_L, which depend on the scattering angle Θ, are given by

$$v_p = \frac{v_0}{1+\mu}\sqrt{1-2\mu(\sin\chi\cos\beta\cos\varphi+\sin\varphi\cos\chi)},$$

and

$$E_L = \frac{2\kappa}{(1+\kappa)^2}E_0[1+\kappa-\kappa(\sin\chi\cos\beta\cos\varphi+\sin\varphi\cos\chi)^2+$$
$$+(\sin\chi\cos\beta\cos\varphi+\sin\varphi\cos\chi)].$$

Those particles which undergo multiple collisions with the atoms of the solid are assumed to be reflected with a maxwellian velocity distribution at the temperature of the solid and have an average normal component of velocity v_T and average energy E_T. The interaction can then be described in terms of the accomodation

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ACCESSION NR: AP1026952

coefficient of energy

$$\alpha_E = \frac{\bar{E}_p + E_r(1-w)}{E_0},$$

and the accomodation coefficients of the normal and tangential moments

$$\alpha_{nn} = \frac{\bar{v}_{pn} + v_r(1-w)}{v_{on}},$$

$$\alpha_{tn} = \frac{\bar{v}_{pt}}{v_{ot}}.$$

The normal and tangential velocity components of the reflected particle are respectively $v_{pn} = v_p \cos\chi$ and $v_{pt} = v_p \sin\chi \cos\beta$, v_{on} and v_{ot} are the corresponding components of the incident particle, and $E_p = wE_0 - E_L$. The average values are found from expressions of the form

$$\bar{v}_p = \frac{a_0}{a_1}\iint v_p(\chi, \beta, \varphi) f(\chi, \beta, \varphi) d\Omega_1.$$

The variation of the accomodation coefficients with β are plotted for the values

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

ACCESSION NR: AP4026952

of the parameter t = 2, 2½, 3; t = a/R where a is the lattice constant. The author thanks M. N. Kogan for many useful discussions. Orig. art. has: 19 equations, 9 diagrams, and 3 tables.

ASSOCIATION: none

SUBMITTED: 10Jun63 DATE ACQ: 15Apr64 ENCL: 01

SUB CODE: NP NO REF SOV: 006 OTHER: 012

Card 5/6

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

ACCESSION NR: AP4026952

ENCLOSURE: 01

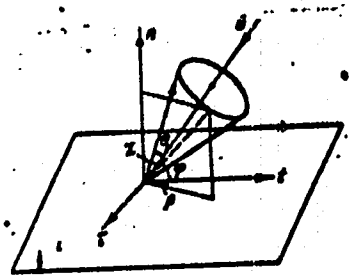

Fig. 1. Coordinates for particle scattering at the surface of a solid.

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L 2627-66 EWT(1)/EWP(m)/EWA(d)/FCS(k)/EWA(1)
ACC NR: AP5026687 SOURCE CODE: UR/0238/65/005/005/0862/0867

AUTHOR: Yerofeyev, A. I. (Moscow)

ORG: none

54
B

TITLE: Free molecular gas flow about a wedge-like cavity

SOURCE: Inzhenernyy zhurnal, v. 5, no. 5, 1965, 862-867

TOPIC TAGS: free molecular flow, heat transfer, aerodynamic heat transfer, rarefied gas, aerodynamic force

ABSTRACT: The problem of a free molecular, high-velocity gas flow about a wedge-like cavity is examined. A highly rarefied gas flow into a wedge-like cavity with aperture angle φ is considered, under the assumptions that: 1) the velocity vector located in a plane parallel to the xy-plane makes an angle β with the x-axis; 2) collisions between particles can be neglected; and 3) the distribution of particles reflected from each wall is described by a cosine law. Energy and momentum transfers are analyzed and mass flow distribution is investigated. Numerical calculations were made for various values of aperture and incident angles. Expressions for forces exerted by the flow on both walls are derived in terms of momentum changes. The results are discussed and show that the energy transfer from flow to walls at the given incident angle β increases when aperture angle φ decreases and the smaller the incident angle is, the more important the energy transfer will be for given φ. The

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L 2627-66
ACC NR: AP5026687

effective energy accommodation coefficient does not depend on the incident angle when $\beta \leq \varphi$, and the value of the tangential momentum coefficient is negative. The results are qualitatively compared with those obtained by R. M. Barrow and his coworkers for free molecule flow on a concave cylindrical surface. Orig. art. has: 5 figures, 15 formulas, and 2 tables. [AB]

SUB CODE: ME, AS/SUBM DATE: 21Apr65/ ORIG REF: 001/ OTH REF: 001/ ATD PRESS: 4124

Card 2/2

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

YEROFEYEV, A.N.

Evaluating the settling properties of loess soils located in the southeastern part of the West Siberian Lowland and the Kuznetsk basin. Sbor.nauch.trud.TISI 2:49-63 '57. (MIRA 10:12)
(Siberia, Western--Loess) (Soil mechanics)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

EROFEEV, A.V.

PHASE I Treasure Island Bibliographic Report

00000125

BOOK

Call No.: TK7880.E7

Author: EROFEEV, A. V.

Full Title: ELECTRONIC APPARATUSES FOR THERMAL CONTROL AND REGULATION

Transliterated Title: Elektronnye pribory teplovogo kontrolia i regulirovaniia

Publishing Data

Originating Agency: None

Publishing House: State Power Publishing House (Gosenergoizdat)

Date: [redacted] - 1951 No. pp.: 132 No. of copies: 5,000.

Editorial Staff

Editor: Maniulov, P. N., Eng. Technical Editor: None.

Editor-in-Chief: None Appraiser: None.

Others: Gratitude is expressed to Eng. P. N. Maniulov, editor and appraiser, and to the group of professors of the Thermal Control and Automatics staff of M.E.I. who gave valuable advice and commented on the manuscript.

Text Data

Coverage: The book contains brief data of the theory of electronic apparatus and principles of operation; also, describes wiring connection diagrams, construction of electronic automatic bridges, potentiometers, and regulators, made in the U.S.S.R. Computations and graphs are used to illustrate the most important principles which help determine the proper selection of electronic equipment in regard to operation.

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

00000125

Card 2/2

Full Title: ELECTRONIC APPARATUSES FOR THERMAL CONTROL AND REGULATION

Call No.: TK7880.E7

Purpose: A text book, approved by the Ministry of Higher Education, for heat and power engineering students specializing in thermal and automatic control; also, for engineers who are engaged in use of electronic apparatuses for automatic control and regulation of thermal technical processes.

Facilities: None.

No. of Russian References: 44

Available: Library of Congress.

Sov. Aeronautical Science and Aviation in the Soviet Union
Lib. of Congress — 1955

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

YEROFEYEV, A. V.

USSR/Electronics - Instruments
Engineering - Process Control

Jul 52

"Increasing the Sensitivity of Heat-Measuring Instruments Through Electronic Amplification of EMF Unbalance," Cand Tech Sci A. V. Yerofeyev

From Energet, No 7, pp 4-6

Discusses problems of instruments for temp measurement and control operating on electronic amplification of emf unbalance from thermocouple. In such instruments, amplification factor can be assumed roughly equal to 500,000. Amplified output actuates

248T59

recorder and indicator through reversing motor operating on 50 µv. Low inertia of system can be achieved with damping and differentiating circuits. Includes rough circuit diagram of automatic electronic potentiometer in production in USSR.

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APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

YEROFEYEV, A. V.

USSR/Electronics - Instruments
Engineering - Process Control Feb 53

"Electronic Instruments for Automatic Control and Regulation of Thermal Processes," Docent A. V. Yerofeyev, Cand Tech Sci, MEI (Moscow Power Eng Inst)

Prom Energet, No 2, pp 4-7

Discusses merits and advantages of electronic control and regulating instruments for thermal processes. their classification (electronic automatic bridges, electronic automatic potentiometers, electronic regulators), including tabular breakdown, and basic tech characteristics, including table of

248T58

allowable values for different characteristics. Mentions circuits with hf vacuum-tube oscillators for measuring and regulating liquid level and temp developed and tested as course projects under author's direction at MEI, also photoelec pyrometer developed by TsLA, MChM.

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APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

YEROFEEV, A.V.

Elektronnye pribory teplovogo kontrolia i regulirovaniia. Dopushcheno v kachestve ucheb. posobiia dlia teplo-energ. fakul'tetov energ. i mekhanicheskikh in-tov. Moskva, Gos. energ. izd-vo, 1951. 132 p., illus.

Bibliography: p. 130

Title tr.: Electronic devices for heat control and regulation. Approved as a textbook for institutes of power and mechanical engineering.

TK7880.E7

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

YEROFEYEV, Aleksandr Vasil'yevich; MANUYLOV, P.N., redaktor; ZHUGAREV, A.A., redaktor; VORONIN, K.P., tekhnicheskiy redaktor.

[Electronic appratus for automatic control and regulation of heating processes] Elektronnye ustroistva avtomaticheskogo kontrolia i regulirovaniia teplovykh protsessov. Moskva, Gos.energ.izd-vo, 1955. 472 p. (MLRA 9:1)
(Automatic control) (Heating--Regulators)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

Yerofeyev, A.V.

AUTHORS: Yerofeyev, A.V., Khokhlov, V.D. 123 - 1 - 21.

TITLE: Photoelectric Signalization to Recall Helper to Machine-tool. (Elektrosvetovaya signalizatsiya dlya vyzova pomoshchnika mastera k stanku).

PERIODICAL: Tekstil'naya prom-st', 1956, No.3, 55-56. (USSR)

ABSTRACT: The construction and layout of photoelectric signalization in a textile shop of industrial laboratory at the Central Scientific and Research Institute for the Silk Industry (TsNII - Shelk) are described. The use of such signalization during the year has fully proved its utility. It is recommended for installation in textile mills, particularly with the view of accounting the idle time of machinery and equipment. P.Ye.A.

Card 1/2 Ref.Zh., Mashinostroyeniye, Nr.1, 1957, Item 21.

Central Sci. Res. Inst. Silks

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

ASSOCIATION: 123 - 1 - 21.

PRESENTED BY:

SUBMITTED:

AVAILABLE:

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

SOV/119-59-7-4/18

9(6)

AUTHORS: Yerofeyev, A. V., Candidate of Technical Sciences, Lukin, A. A., Candidate of Technical Sciences

TITLE: A Semiconductor Amplifier for Automatic Electronic Bridges and Potentiometers

PERIODICAL: Priborostroyeniye, 1959, Nr 7, pp 11-14 (USSR)

ABSTRACT: For the measurement, control, and recording of various pyrometric quantities, automatic electronic potentiometers and compensation bridges are being widely used. The advantages offered by semiconductor circuits compared to tube circuits are pointed out, after which the cascade amplifier shown in figure 1 is discussed. The characteristic lines of the collector circuit shown in figure 2 and the influence exercised by temperature (Fig 2) upon the input characteristic is dealt with. Consideration of the temperature influence, which causes greater amplification at rising temperature, is dealt with, and in this connection figure 4 shows the characteristic lines of the collector circuit in the case of the lack of nonlinear distortion. The scheme of an amplifier shown in figure 6 is then dealt with, and in this connection the temperature characteristic, the current supply,

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and the voltages between collector and emitter are discussed. For the latter, the diagram of figure 7 is shown. In the last part of the present paper checking of these amplifiers is dealt with. The error in these devices must not exceed 0.1%, which corresponds to a temperature variation of 0.05 °C in a bridge for the measurement range of 0 - 50 °C. The influence of voltage fluctuations of the current source was very low. In conclusion, it is said that the use of semiconductor amplifiers in automatic potentiometers and compensation bridges is possible. There are 7 figures.

ASSOCIATION: Kafedra promyshlennoy elektroniki Moskovskogo ordena Lenina energeticheskogo instituta (Chair for Industrial Electronics of the Moscow Order of Lenin Institute of Power Engineering)

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17.1910

34935
S/119/62/000/003/006/009
D201/D303

AUTHOR: Yerofeyev, A.V.

TITLE: A contactless semiconductor temperature controller

PERIODICAL: Priborostroyeniye, no. 3, 1962, 15 - 18

TEXT: The author considers an experimental model of a contactless semiconductor temperature controller developed at the Kafedra promyshlennoy elektroniki Moskovskogo ordena Lenina energeticheskogo instituta (Department of Industrial Electronics of the Moscow, 'Order of Lenin' Power Engineering Institute). The controlled object is an electric oven. When the temperature deviates from the required level, an unbalance signal is applied from the measuring circuit to the input of a transistorized amplifier. There are 4 triodes with common emitter for preliminary amplification and a push-pull amplifier. The collectors of the latter are interconnected by the secondary winding of the amplifier power supply; a diode in each collector prevents positive halves, with respect to the emitters, of the supply voltage to reach the collectors. The load of the push-pull stage consists of the control winding of a magnetic

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A contactless semiconductor tempera- ... S/119/62/000/003/006/009
D201/D303

saturation choke, connected between the mid-point of the secondary transformer winding and the junction of the two emitters. The power winding of the saturation choke is in series with the heater winding of the oven. The change of the magnetizing control winding current varies the impedance of the power winding of the choke and consequently the current in the heater winding and hence the oven temperature. The analysis of the push-pull amplifier operating with a pulsating voltage shows that the mean current value in the control winding and consequently the temperature are determined by $\cos\varphi$ - the angle of flow of one transistor and of cut-off of the other transistor in the amplifier. This angle depends on the value of the signal voltage from the sensing arrangement. It depends also on the initial phase shift φ_0 between the reference voltage and the collector voltage, its optimum value being $\varphi_0 = 90^\circ$. Automatic recordings of continuous operation of the controller have shown its complete reliability, aperiodic transients and a much better performance in comparison with the electronic temperature controllers ЭРТ-С-54 (ЭРТ-S-54) and ЭРМ-47 (ERM-47). There are 7 figures and 3 Soviet-bloc references.

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

SMIRNOV, Sergey Mikhaylovich, kand. tekhn. nauk, dots.; GRIVIN, Vladislav Vol'demarovich; YELIN, Al'bert Vasil'yevich; KOCHEROV, Anatoliy Vasil'yevich. Prinimali uchastiye: TSAREVA, T.I.; EYGENBROT, V.M.; YEROFEYKV, A.V., kand. tekhn. nauk dots., retsenzent; SAKHAROV, Ye.V., st. prepod., retsenzent; MINAYEVA, T.M., red.; PYATNITSKIY, V.N., tekhn. red.

[Laboratory work on the course "Principles of automatic control and the automation of production processes."] Laboratornyi praktikum po kursu "Osnovy avtomatiki i avtomatizatsii proizvodstvennykh protsessov." [By] S.M.Smirnov i dr. Moskva, Gizlegprom, 1963. 322p. (MIRA 17:3)

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KALLISTOV, P.L.; ZENKOV, D.A.; PROKOF'YEV, A.P. Prinimali uchastiye: BOGDANOV, F.M.; BORZUNOV, V.M.; BURYBLIN, A.V.; DROZDOV, M.D.; YEROFEYEV, B.N.; KOMISSAROV, A.K.; KOGAN, I.D.; LYUBIMOV, I.A.; MIRLIN, R.Ye.; ROKHLIN, M.I.; SERGEYEV, P.V.; SEMENOV, A.D.; FROLOV, V.V.; NEMANOVA, G.F., red. izd-va; GRIDIYENKO, Ye.B., tekhn. red.

[Instructions for applying the classification of reserves to primary gold deposits] Instruktsiia po primeneniiu klassifikatsii zapasov k korennym mestorozhdeniiam zolota. Moskva, Gos. nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nedr, 1955. 46 p. (MIRA 15:2)

1. Russia (1923- U.S.S.R.) Gosudarstvennaya komissiya po zapasam poleznykh iskopayemykh.
(Gold ores--Classification)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

YEROFEYEV, B.N.; SHATALOV, Ye.T.

For an indissoluble union of geological surveying and prospecting for mineral resources. Sov. geol. no.53:3-21 '56. (MLRA 10:4)
(Prospecting) (Geological surveys)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

RODIONOV, G.G.; ROMANSON, B.M.; BRITAYEV, M.D.; KRUYTER, V.M., glavnyy red.; SHATALOV, Ye.T., zamestitel' glavnogo red.; KHROMYKH, B.N., red.; ZENKOV, D.A., red.; KRASNIKOV, V.I., red.; NIKITOV, R.V., red.; SMIRNOV, V.I., red.; KHRUSHCHEV, N.A., red.; YAKZHIN, A.A., red.; MAMKOV, P.N., red.; OVCHINNIKOVA, S.V., red. izd-va; AVERKIYEVA, T.A., tekh. red.

[Prospecting for mica deposits] Razvedka mestorozhdenii sliudy. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po geol. i okhrane nedr, 1957. 56 p. (Metodicheskie ukazaniia po proizvodstvu geologo-razvedochnykh rabot, no.4). (MIRA 11:1)
(Mica ores) (Prospecting)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

Yefropeyev, B.N.

BASHARKEVICH, L.D.; ANTROPOV, A.N.; KUSOV, M.I.; DYUKOV, A.I.; SPERANSKIY, M.A.; KREYTER, B.M., glavnyy red.; SHATALOV, Ye.T., zamestitel' glavnogo red.; YEFROPEYEV, B.N., red.; ZENKOV, D.A., red.; KRASNIKOV, V.I., red.; NIFONTOV, N.V., red.; SMIRNOV, V.I., red.; KHRUSHCHOV, N.A., red.; YAKZHIN, A.A., red.; NIKIPELOV, V.Yu., red.; BEREZOVSKAYA, L.I., red. izd-va; PEN'KOVA, S.A., tekhn. red.

[Prospecting for coal and oil shale deposits] Razvedka mestorozhdenii uglei i goriuchikh slantsev. Moskva, Gos. nauchn.-tekhn. izd-vo lit-ry po geologii i okhrane nedr, 1957. 61 p. (Metodicheskie ukazaniia po proizvodstvu geologo-razvedochnykh rabot, no.9). (Coal—Geology) (Oil shales) (MIRA 11:4)

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GINSBURG, B.M.; KREYTER, B.M., glavnyy red.; SHATALOV, Ye.T., zamestitel' glavnogo red.; KHROMYKH, B.M., red.; ZENKOV, D.A., red.; KRASNIKOV, V.I., red.; NIFONTOV, R.V., red.; SMIRNOV, V.I., red.; KHRUSHCHOV, V.I., red.; YAKHIN, A.A., red.; MARKOV, P.M., red.; VERSTAK, G.V., red.; AVERKIYEVA, T.A., tekhn. red.

[Prospecting for phosphorite deposits] Razvedka mestorozhdenii fosforitov. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po geol. i okhrane nedr. 1957. 65 p. (Metodicheskie ukazaniia po proizvodstvu geologo-razvedochnykh rabot, no.5). (MIRA 11:1)
(Phosphorites) (Prospecting)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8"

"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

BOUS, A.A.; BRITAYEV, M.D.; GRECHUKHIN, N.A.; KRNYTER, V.M., glavnyy red.; SHATALOV, Ye.T., red.; [illegible] B.N., red.; ZHIKOV, D.A., red.; KRASNIKOV, V.I., red.; NIPOMTOV, R.V.; SMIRNOV, V.I., red.; KHRUSHCHOV, N.A., red; YAKZHIN, A.A., red.; PROKOF'YEV, A.P., red; NEMANOVA, G.F., red.izd-va; PEN'KOVA, S.L., tekhn.red.

[Prospecting for beryllium, tantalum, and niobium deposits] Razvedka mestorozhdenii berilliia, tantala i niobiia. Moskva, gos. nauchn.-tekh. izd-vo literatury po geologii i okhrane nedr. 1957 94 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut mineral'nogo syr'ia. Metodicheskie ukazaniia po proizvodstvu geologo-razvedochnykh rabot, no.2). (MIRA 11:3)

(Ore deposits) (Prospecting)

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

CHERNYSHEV, G.B.; BRITAYEV, M.D.; TARKHOV, A.G.; SHCHERBAKOV, A.V.; KREITER, V.M., glavnyy red.; SHATALOV, Ye.T. zamestitel' glavnogo red.; YERMAKOV, B.N., red.; ZENKOV, D.A., red.; KRASNIKOV, V.I., red.; NIKONTOV, P.V., red.; SMIRNOV, V.I., red.; KHRUSHCHOV, N.A., red.; YAKZHIN, A.A., red.; MUKHIN, S.S., red.; AVERKIYEVA, T.A., tekhn. red.

[Prospecting for ferrous metal deposits] Razvedka mestorozhdenii chernykh metallov. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po geol. i okhrane nedr, 1957. 102 p. (Metodicheskie ukazaniia po proizvodstvu geologo-razvedochnykh rabot, no.11). (MIRA 11:1)
(Iron ores) (Prospecting)

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

BOZINSKIY, A.P.; BRITAYEV, M.D.; KOMISSAROV, A.K.; KATKOVSKIY, G.S.; SMIRNOVA, V.I.; SHCHERBAKOV, A.V.; KREYTER, V.M., glavnyy red.; SHATALOV, Ye.T., zamestitel' glavnogo red.; YEROFEYEV, B.N., red.; ZENKOV, D.A., red.; KRASNIKOV, V.I., red.; LIPONTOV, P.V., red.; SMIRNOV, V.I., red.; KHRUSHCHOV, N.A., red.; YAKZHIN, A.I., red.; OVCHINNIKOVA, S.V., red. izd-va; AVERKIYEVA, T.A., tekhn. red.

[Prospecting for gold ore deposits] Razvedka zolotorudnykh mestorozhdenii. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po geol. i okhrane nedr, 1957. 103 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut mineral'nogo syria. Metodicheskie ukazaniia po proizvodstvu geologo-razvedochnykh rabot, no.1). (MIRA 11:1)

(Gold ores) (Prospecting)

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

ROZHKOV, I.S.; RUSANOV, B.S.; KRUYTHR, V.M., glavnyy red.; SHATALOV, Ye.T., zamestitel' glavnogo red.; YEROFEYEV, B.N., red.; ZENKOV, D.A., red.; KHASNIKOV, V.I., red.; NIFONTOV, R.V., red.; SMIRNOV, V.I., red.; KHRUSHCHOV, M.A., red.; YAKZHIN, A.A., red.; VLASOVA, S.M., red.; AVERKIYEVA, T.A., tekhn. red.

[Prospecting for placer deposits of gold, platinum, tin, tungsten, titanium, tantalum, and niobium] Razvedka rossypnykh mestorozhdenii zolota, platiny, olova, vol'frama, titana, tantala i niobiia. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po geol. i okhrane nedr, 1957. 108 p. (Metodicheskiy ukazaniia po proizvodstvu geologo-razvedochnykh rabot, no.12). (MIRA 11:1)

(Ore deposits)

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

BOZHKOV, I.S.; BUSANOV, B.S.; KREYTER, V.M., glavnyy red.; SHATALOV, Ye.T., red.vypuska; YEROFEYEV, B.N., red.; ZENKOV, D.A., red.; KRASNIKOV, V.I., red.; NIKONTOV, R.V., red.; SMIRNOV, V.I., red.; KHRUSHCHOV, N.A., red.; YAKZHIN, A.A., red.; VLASOVA, S.M., red.izd-va; AVERKIYEVA, T.A., tekhn.red.

[Methodological instructions on geological prospecting] Metodicheskie ukazaniia po proizvodstvu geologo-razvedochnykh rabot. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nedr. No.1 [Prospecting for alluvial gold, platinum, tin, tungsten, titanium, tantalum, and niobium] Razvedka rossypnykh mestorozhdenii zolota, platiny, olova, vol'frama, titana, tantala i niobiia. 1957. 108 p. (MIRA 12:5)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya.
(Prospecting)

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

AMIRASLANOV, A.A.; BRITAYEV, M.D.; BYBOCHKIN, A.M.; ZENKOV, D.A.; TAKHOV, A.G.; TSYGANKO, N.I.; SHCHERBAKOV, A.V.; KRUYTHR, V.M., glavnyy red.; SHATALOV, Ye.T., zamestitel' glavnogo red.; YEROFEYEV, B.N., red.; ZENKOV, D.A., red.; KRASNIKOV, V.I., red.; NIFONTOV, R.V., red.; SMIRNOV, V.I., red.; KHRUSHCHOV, N.A., red.; YAKZHIN, A.A., red.; VERSTAK, G.V. red. izd-va; AVERKIYEVA, T.A., tekhn. red.

[Prospecting for copper, lead, and zinc deposits] Razvedka mestorozhdenii medi, svintsa i tsinka. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po geol. i okhrane nedr, 1957. 135 p. (Metodicheskie ukazaniia po proizvodstvu geologo-razvedochnykh rabot, no.10).
(Ore deposits) (Prospecting) (MIRA 11:4)

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YEROFEYEV, B.N.

KHRUSHCHOV, N.A.; KOSOV, B.M.; POLIKARPOCHKIN, V.V.; BEITAYEV, M.D.; TAIKHOV, A.G.; SHCHERBAKOV, A.V.; KREYTER, V.M., glavnyy red.; SHATALOV, Ye.T., zamestitel' glavnogo red.; YEROFEYEV, B.N., red.; ZENKOV, D.A., red.; KRASNIKOV, V.I., red.; NIFONTOV, E.V., red.; SMIRNOV, V.I., red.; YAKZHIN, A.A., red.; VERSTAK, I.V., red. izd-va; AVERKIYEVA, T.A., tekhn. red.

[Prospecting for molybdenum, tungsten, tin, bismuth, antimony, and mercury deposits] Razvedka mestorozhdenii molibdena, vol'frama, olova, vismuta, sur'my i rtuti. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po geol. i okhrane nedr, 1957. 130 p. (Metodicheskie ukazaniia po proizvodstvu geologo-razvedochnykh rabot, no.6). (MIRA 11:1)
(Ore deposits) (Prospecting)

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STULOV, N.N.; SHAFRANOVSKIY, I.I.; MOKIYEVSKIY, V.A.; POPOV, G.M.; BETEKHTIN, A.G.; NIKOLAYEV, V.A.; ANSHELES, O.M.; GRIGOR'YEV, D.P.; [illegible], B.N.; TATARSKIY, V.B.; SOLOV'YEV, S.P.; NIKITIN, V.D.; [illegible]KO, S.A.; DUBININA, V.N.; ALYAVDIN, V.F.; VLADIMIROV, B.N.; KAZITSYN, Yu.V.; FRANK-KAMENETSKIY, V.A.; KALININ, A.I.; BALASHOVA, M.N.; SAL'DAU, E.P.; DOLIVO-DOBROVOL'SKAYA, G.M.; LAVRENT'YEV, M.F.

Viktor Ivanovich Mikheev, Zap. Vses. min. ob-va 86 no.2:317-320 '57. (MLRA 10:6)
(Mikheev, Viktor Ivanovich, 1912-1956)

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BARDIN, I.P., akademik, otv.red.; STRUMILIN, S.G., akademik, red.; SHEVYAKOV, L.D., akademik, red.; SHCHERBAKOV, D.I., akademik, red.; ANTIPOV, M.I., red.; BELYANCHIKOV, K.P., red.; BRODSKIY, V.B., red.; YEROFEYEV, B.N., red.; LIBERMAN, A.Ya., red.; MELESHKIN, S.M., red.; OBLOV, I.V., red.; SMIRNOV-VERIN, S.S., red.; RIKMAN, V.V., red.; SAMARIN, A.M., red.; SLEDZYUK, P.Ye., red.; SKOBNIKOV, M.L., red.; SOKOLOV, G.A., red.; FREY, V.I., red.; KHLEBNIKOV, V.B., red.; SHAPIRO, I.S., red.; SHIRYAYEV, P.A., red.; KUDASHEV, A.I., red.izd-va; KUZ'MIN, I.F., tekhn.red.

[Magnetite ores of the Kustanay Province and their exploitation] Magnetitovye rudy Kustanaiskoi oblasti i puti ikh ispol'sovaniia. Otvetstvennyi red. I.P. Bardin. Moskva, Izd-vo Akad. nauk SSSR, 1958. 489 p. (Zhelezorudnye mestorozhdeniia SSSR). (MIRA 12:2)

1. Russia (1923- U.S.S.R.) Ministerstvo geologii i okhrany nedr. (Kustanay Province--Magnetite)

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YEROFEYEV, B.N.; BELYAYEVSKIY, N.A.; BOGDANOV, A.A.; SHATALOV, Ye.T.

Conference of the commission on a world geological map held in Paris, France, March-April 1958. Sov.geol. 1 no.7:153-160 Jl '58. (MIRA 11:11)

1. Ministerstvo geologii i okhrany nedr SSSR, Moskovskiy gos. universitet im. M.V. Lomonosova i Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii AN SSSR.
(Paris--Geology--Congresses)

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YEROFEYEV B.N.

BARDIN, I.P., akademik, otv.red.; ANTIPOV, M.I., nauchnyy red.; GORBACHEV, T.F., nauchnyy red.; DOBIN, A.L., nauchnyy red.; YEROFEYEV, B.N., nauchnyy red.; KALUGIN, A.S., nauchnyy red.; MEKHASOV, N.N., nauchnyy red.; POSPELOV, G.L., nauchnyy red.; SKOBNIKOV, M., nauchnyy red.; SMIRNOV-VERIN, S.S., nauchnyy red. [deceased]; STRUMILIN, S.G., akademik, nauchnyy red.; KHLEBNIKOV, V.B., nauchnyy red.; CHINAKAL, N.A., nauchnyy red.; SHAPIRO, I.S., nauchnyy red.; SLEDZHYUK, P.Ye., red. toma; SOKOLOV, G.A., red.toma; KUDASHEVA, I.G., red.izd-va; POLENOVA, T.P., tekhn.red.

[Iron ore deposits in the Altai-Sayan mountainous region] Zhelezorudnye mestorozhdeniia Altae-Saianskoi gornoi oblasti. Otvetstvennyi red.I.P.Bardin. Moskva. Vol.1. Book 2. [Description of the deposits] Opisanie mestorozhdenii. 1959. 601 p. (MIRA 13:2)

1. Akademiya nauk SSSR. Mezhduvedomstvennaya postoyannaya komissiya po zhelezu. (Altai Mountains--Iron ores)(Sayan Mountains--Iron ores)

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3(5) SOV/132-59-5-15/17

AUTHOR: Yerofeyev, B.N.

TITLE: For Further Improving and Perfecting of Methods of Exploring - Prospecting Operations (Results of the Competition for the Best Proposition in the Field of Deposits Prospecting)

PERIODICAL: Razvedka i okhrana nedr, 1959, Nr 5, pp 58-61 (USSR)

ABSTRACT: The above competition was organized on the decision of the Minister of Geology and of Mineral Resources on May 19, 1956. The aim of this competition was 1) the elaboration of a rational complex of prospecting methods applicable to specific regions and different minerals; 2) the development of new methods of search for hidden mineral deposits and 3) a radical perfecting of methods of prospecting and sampling mineral deposits. The competition was closed on July 1, 1958. 150 persons took part in it and sent 69 projects. No first prize was awarded, instead, three second prizes were awarded to the following persons: 1) a group of workers of the Severo-Vostochnoye geologicheskoye upravleniye (Severo-Vostochnoye Geological Administration): I.Ye. Drabkin, B.B. Yevangulov, N.I. Safronov,

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For Further Improving and Perfecting of Methods of Exploring - Prospecting Operations (Results of the Competition for the Best Proposition in the Field of Deposits Prospecting)

V.N. Starovoytov, M.I. Suvorov, V.A. Titov, V.S. Yakupov, and L.M. Skorokhodov for "The Methods of exploration and preliminary prospecting of hydro-thermal non-outcropping vein deposits in North-East USSR" and for "The method of Inductive Survey for the Exploration and Tracing of non-outcropping deposits". 2) a group of workers of the same Directorate: V.G. Bulychev, I.Ye. Drabkin, S.D. Rakovskiy, I.N. Skorina, V.N. Starovoytov, M.I. Suvorov, V.I. Titov, Yu.N. Trushkov, V.S. Yakupov, A.G. Tychinskiy and N.V. Sivkov for "The Method of Exploring and Prospecting for Alluvial Deposits in North-East USSR" and "the Method of Vertical Sounding Applied to the Study of Contemporary Loose Deposits in Regions with Low Temperatures of the Permafrost Beds". The application of these methods has already shown important results. The North-Eastern Geological Directorate was able to cut down by 30% the expenses for exploratory and prospecting operations and several new gold deposits were located by the method of inductive

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For Further Improving and Perfecting of Methods of Exploring - Prospecting Operations (Results of the Competition for the Best Proposition in the Field of Deposits Prospecting)

survey, elaborated by V.S. Yakupov. 3) the third second prize was awarded to a group of authors: M.D. Shiryayev, A.G. Grammakov, V.I. Baranov, A.A. Tatarnikov, V.L. Shashkin, B.I. Galkin, V.I. Sharova, I.N. Kalandadze, A.A. Prevo, A.G. Liberman and M.D. Britayev for "The Method of Radiometric Sampling of Radioactive Ores in Their Natural Occurrence". Three third prizes were awarded to: 1) N.I. Safronov, V.V. Polikarpochkin and A.A. Utgof (VITR) for "The Spectro-goldmetric survey as a Method for Prospecting for Gold Ore Deposits not Accompanied by Mechanical Aureols (Alluvions); 2) I.F. Ivashchenko, A.K. Ovchinnikov, S.A. Suppe, V.A. Shpak and A.P. Kazanskiy for "The Methods of Quantitative Interpretation of Gamma Core-Sampling for the Assessment of Uranium Reserves; 3) D.A. Dosmukhambetov and N.U. Imashev (the Kazakhstanneft' Trust) for "The inclined Drilling of prospecting bore-holes - a rational method of Prospecting operations for Oil and Gas in Conditions of Salt-Domal Structures". Moreover, the jury awarded 14 incentive

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For Further Improving and Perfecting of Methods of Exploring - Prospecting Operations (Results of the Competition for the Best Proposition in the Field of Deposits Prospecting)

prizes as follows: 1) N.I. Dolukhanova and E.A. Kyuregyan (Institut geologicheskikh nauk AN Armyanskoy SSR - the Institute of Geological Sciences of the AS of the Armenian SSR) for "the Ground - Hydrochemical Method of Prospecting for Mineral Deposits"; 2) A.I. Livshits, P.L. Kallistratov, A.F. Bozhinskiy, and V.I. Davydov (TsNIGRI) for "The Mobile Concentration Installation for Processing the Prospected Samples"; 3) V.D. Semenyuk and V.A. Kuznetsov (Irkutskoye geoupravleniye - the Irkutsk Geological Administration) for "The Plan for the Improvement of Geological Prospecting operations at the Davendinskoye, Klyuchevskoye and Shakhmatinskoye Molybdenum Ore Deposits"; 4) V.Ya. Novitskiy and S.S. Konkin (the Karabashskaya geologorazvedochnaya partiya - the Karabash Geological Prospecting Party) for "The Plan for Prospecting the Deep Levels of the Western Vein of the Voroshilov Deposit"; 5) V.D. Zav'yalov and Ye.N. Stolyarov (the Ukrneftegeofizika Trust) for the "Materials of the Method of Extensive Mass Seismosounding";

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For Further Improving and Perfecting of Methods of Exploring - Prospecting Operations (Results of the Competition for the Best Proposition in the Field of Deposits Prospecting)

6) M.K. Polshkov and G.V. Bereza (VNIIGeofizika) for the "Utilization of the Broadband Equipment for the Study of Multistratified Media 7) I.P. Kharlanov (Monchegorskaya geologorazvedochnaya partiya - the Monchegorsk Geological Prospecting Party) for "The Approximate Estimation of Dimension of the Ore Body With One of its Points Uncovered by Mining"; 8) Ye.P. Petushkov (the Uzbek Trust) for "the Economical, Speedy and Exact Method of Hydro-Geological Prospecting and Evaluation of Reserves of Water in Fissures and Caves"; 9) I.P. Solyakov, V.G. Knertser and P.S. Bondarenko (Gidrogeologicheskaya partiya tresta Artemuglegeologiya - the Artmeuglegeologiya Trust Geological Prospecting Party) for "The Method of Reduced Out-Pumping from Bore-Holes"; 10) A.S. Vershinin (Tsentral'naya Ural'skaya Partiya - the Central Urals Party) for his work "To the Question of Choice of a Rational Complex of Methods of Prospecting for Metals in the Urals Region"; 11) Z.A. Krutikhovskaya (Institut Geologii AN USSR - the

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For Further Improving and Perfecting of Methods of Exploring - Prospecting Operations (Results of the Competition for the Best Proposition in the Field of Deposits Prospecting)

Institute of Geology of the AS of the UkrSSR) for "the Orientation of the Core of Ferrous Quartzites with a Magnetic Variometer"; 12) Yu.N. Shaub (VITR) for Two-Frequency Method of a Loaded Body); 13) L.I. Petrachkov (trest Baleyzoloto) (the Baleyzoloto Trust) for "the Sample Separator LP-1 for Repeated Sample Taking from a Boro-Hole"; and 14) V.I. Skok (Kuzbassgiproshakht) for "The Forecast of Technological Properties of Coal Deposits". The author states that the jury could not award all the first, second and third prizes they had at their disposition because most of works sent to the jury did not meet the required conditions of the competition, because of insufficient geological and technical development of proposed methods, lack of reasoning and calculations of the efficiency of proposed method for their introduction into practice. The author also regrets that a large number of known specialists did not take part in the competition, and that large circles of designers of TsKB and OKB, of different plants and institutes

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For Further Improving and Perfecting of Methods of Exploring - Prospecting Operations (Results of the Competition for the Best Proposition in the Field of Deposits Prospecting)

showed but little interest. New equipment must be designed for better prospecting operations, new methods must be elaborated and developed by the ministry's science-research institutes (VIMS, VSEGEI, VITR, VIRG, VNIIGEofizika, SNIICIMS and others). They must catch up with the elaboration of technical problems connected with prospecting operations, and continue their research in the field of geophysical and geochemical methods of reprospecting. Many of these problems remained unsolved in this competition. Taking it into consideration, the Minister of Geology and of Conservation of Mineral Resources announced a new 1959-1960 competition on the same subject. The author hopes that a larger number of geological workers, organizations and institutes will take part in this new competition.

ASSOCIATION: Ministerstvo geologii i okhrany nedr SSSR (Ministry of Geology and Conservation of Natural Resources of USSR).

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30(5) SOV/132-59-7-1/17

AUTHOR: Yerofeyev, B.N., Deputy Minister of Geology and Conservation of Mineral Resources of the USSR

TITLE: For Further Progress of Geological Prospecting Operations

PERIODICAL: Razvedka i okhrana nedr, 1959, Nr 7, pp 1-4 (USSR)

ABSTRACT: The author discusses measures proposed at the June plenary session of the Central Committee of the CPSU for the practical realization of decisions of the 21st Party Congress in the field of further technical progress in geological prospecting operations in the framework of the Seven Year Plan. The following are mentioned: Further mechanization and automation of production; replacement of obsolete equipment and tools; improvement of the produced equipment and tools and reduction of production cost. In the first 6 months of of the Plan, many new mineral deposits have been discovered. The extraction of natural gas started in the Berezovskiy rayon of the Tyumen'skaya Oblast' and

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For Further Progress of Geological Prospecting Operations

in the Ust'-Vilyuyskoye gas deposit of the Yakutskaya Oblast'. The extraction of gas and oil was started in in Eastern and Western Turkmeniya. New gas and oilfields have been discovered in the Ural-Volga gas and oil-bearing region, in the Stavropol'skiy Kray, Krasnodarskiy Kray and in Azerbaydzhan, etc. Further technical progress of the geological and prospecting operations depends on a complete elimination of manual work in drilling, mining and other operations. It cannot be achieved with existing drilling equipment and tools and at the present degree of automation. Special drilling rigs for very deep bore holes for oil prospecting have not yet been created. The Otdel novoy tekhniki (Department of New Technique) of the ministry insufficiently controls the measures taken for the improvement of the quality of produced drilling equipment and tools, of different measuring, registering and controlling devices and installations. New ultrasonic hydraulic methods of drilling are being insufficiently developed. Many directors of territorial

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For Further Progress of Geological Prospecting Operations

and republic geological organizations, as well as those of the Ministry of Geology and Conservation of Mineral Resources of the Kazakhskaya SSR, refuse to buy new ZIF-1200, ZIF-650 and ZIF-300 drilling rigs, and still use obsolete equipment. The Departments of Geological Control of the Ministries of Geology and Conservation of Mineral Resources of the USSR and of all allied republics must fight against unjustifiable losses of raw minerals during the exploitation of mines. The percentage of these losses at the Dzhezkazgan copper deposits, the Tekeli polymetallic deposits and at the Tuymazy oil-field is too high. The author appeals to all concerned to help in the early realization of the Seven Year Plan.

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SOV/132-59-7-1/17

For Further Progress of Geological Prospecting Operations

ASSOCIATION: Ministerstvo geologii i okhrany nedr SSSR (Ministry of Geology and Conservation of Mineral Resources of the USSR)

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YEROFEYEV, B.N.

Let the mineral resources of the country serve the building of communism. Kolyma 21 no.3:4-9 Mr '59. (MIRA 12:6)

1. Zamestitel' ministra geologii i okhrany nedr SSSR.
(Mines and mineral resources)

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

SOV/132-59-1-17/18

AUTHORS: Vol'fson, F.I., Shatalov, Ye.T., and Yerofeyev, B.N.

TITLE: On the All-Union Conference for the Elaboration of Scientific Bases of Prospecting for Concealed Mineral Deposits (O vsesoyuznom soveshchanii po razrabotke nauchnykh osnov poiskov skrytogo orudeneniya)

PERIODICAL: Razvedka i okhrana nedr, 1959, Nr 1, pp 59-62 (USSR)

ABSTRACT: The above mentioned conference was called by the Academy of Sciences of the USSR and the Ministerstvo geologii i okhrany nedr SSSR (Ministry of Geology and Conservation of Mineral Resources), and took place from 18 to 24 November, 1958. Five hundred geologists, representing 25 geological managements, seven sovnarkhozes, 23 scientific-research institutes and five branches of the AS's of the USSR and allied republics, took part in the conference. Opening the conference, Academician A.G. Betekhtin stressed the important task expected of geologists in the next seven years. He also indicated the general trends of the development of the scientific base of prospecting for concealed deposits. P.Ya. Antropov, Minister of Geology

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On the All-Union Conference for the Elaboration of Scientific Bases of Prospecting for Concealed Mineral Deposits

and Conservation of Mineral Resources of the USSR, also spoke on that subject. The conference heard 28 reports on the importance of different criteria and factors in the prospecting for concealed deposits by: O.D. Levitskiy, V.I. Smirnov, F.I. Vol'fson, L.I. Lukin, M.B. Borodayevskaya, N.I. Borodayevskiy, N.V. Petrovskaya, I.I. Ginzburg, V.I. Krasnikov, A.A. Saukov, Academician D.S. Korzhinskiy, P.F. Rodionov, A.P. Solovov, V.Z. Fursov, A.G. Tarkhov, Ye.A. Radkevich, K.F. Kuznetsov, V.S. Kormilitsin, B.P. Sanin, G.F. Yakovlev, A.V. Korolev, P.A. Shekhtman, V.N. Vydrin, G.D. Azhgirey, Ye.F. Burshteyn, V.A. Nevskiy, M.N. Godlevskiy, V.N. Yegorov, P.I. Kasatkin, T.N. Sirotkin, Ya. P. Baklayev, V.P. Loginov, G.F. Chervyakovskiy, I.V. Lepnykh, M.F. Novikov, F.L. Smirnov, P.S. Bernshteyn, A.I. Khazagarov, N.A. Ozerova, V.E. Ryarkova, I.L. Nikol'skiy, V.P. Fedorchuk, L.I. Shabynin, V.S. Koptev-Dvornikov, N A. Sirin.

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SOV/132-59-1-17/18

On the All-Union Conference for the Elaboration of Scientific Bases of Prospecting for Concealed Mineral Deposits

Summing up the results of the conference, O.D. Levitskiy, Member-Correspondent of the AS of the USSR, said that the results achieved up to now are far from satisfactory. All concerned must work hard to elaborate new methods and means of prospecting for concealed mineral deposits.

ASSOCIATION: **IGEM, Ministerstvo geologii i okhrany nedr SSSR (IGEM and USSR Ministry of Geology and Conservation of Mineral Resources)**

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YEROFEYEV, B.M., kand.geol.nauk

Map of the inside of the earth. Znan.sila 34 no.3:21 Mr '59.
(MIRA 12:4)

1. Zamestitel' ministra geologii i okhrany nedr SSSR.
(Irkutsk Province--Mines and mineral resources)

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

YEROFEYEV, Boris Nikonovich; BELYAYEVSKIY, Nikolay Andreyevich; FAYNBOYM, I.E., red.; SAVCHENKO, Ye.V., tekhn.red.

[Geology in the service of the seven-year plan] Geologiia na sluzhbe semiletki. Moskva, Izd-vo "Znanie," 1960. 28 p. (Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii. Ser.9, Fizika i khimiia, no.9). (MIRA 13:6)

(Geology, Economic)

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

CHAYKOVSKIY, Vasiliy Konstantinovich; YEROFEYEV, B.N., red.; MIRZOYEVA, M.D., red.izd-va; IVANOVA, A.G., tekhn.red.

[Geology of tin-bearing deposits in the northeastern part of the U.S.S.R.] Geologiia olovonosnykh mestorozhdenii Severo-Vostoka SSSR. Pod red. B.N.Erofeeva. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geologii i okhrane nedr, 1960. 334 p. (MIRA 13:7)
(Russia, Northern--Tin ores)

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

YEROFEYEV, B.N.

BOLDYREV, G.P.; VOGMAN, D.A.; NOVOKHATSKIY, I.P.; VERK, D.L.; DYUGAYEV, I.V.; KAVUN, V.M.; KURENKO, A.A.; UZENKOV, M.R.; ARSEN'YEV, S.Ya.; YEGORKIN, A.N.; KORSAKOV, P.P.; KUZ'MIN, V.N.; STRELETS, B.A.; PATKOVSKIY, A.B.; BOLESLAVSKAYA, B.M.; IHDENBOM, D.B.; FINKEL'SHTEYN, A.S.; SHAPIRO, I.S.; LAPIN, L.Yu.. Prinimali uchastiye: NEVSKAYA, G.I.; FEDOSEYEV, V.A.; KASPILOVSKIY, Ya.B., ZENOVA, K.V.. BARDIN, I.P., akademik, otv.red.; SATPAYEV, K.I., akademik, nauchnyy red.; STRUMILIN, akademik, nauchnyy red.; ANTIPOV, M.I., nauchnyy red.; BELYANCHIKOV, N.P., nauchnyy red.; YEROFEYEV, B.N., nauchnyy red.; KALGANOV, M.I., nauchnyy red.; SOKARIN, A.M., nauchnyy red.; SLADKYUK, P.Ye., nauchnyy red.; KHLEBNIKOV, V.B., nauchnyy red.; STREYS, N.A., nauchnyy red.; BAUKVITSER, A.L., red.izd-va; POLYAKOVA, T.V., tekhn.red.

[Iron ore deposits in central Kazakhstan and ways for their utilization] Zhelezorudnye mestorozhdeniia TSentral'nogo Kazakhstana i puti ikh ispol'zovaniia. Otvetstvennyi red. I.P.Bardin. Moskva, 1960. 556 p. (MIRA 13:4)

1. Akademiya nauk SSSR. Mezhduvedomstvennaya postoyannaya komissiya po zhelezu. 2. Gosudarstvennyy institut po proyektirovaniyu gornykh predpriyatiy zhelezorudnoy i margantsevoy promyshlennosti i promyshlennosti nemetallicheskikh iskopayemykh (Giproruda) (for Boldyrev, Vogman, Arsen'yev, Yegorkin, Korsakov, Kuz'min, Strelets,

(Continued on next card)

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BOLDYREV, G.P.--(continued). Card 2.
3. Institut geologicheskikh nauk AN Kazakhskoy SSR (for Novokhatskiy). 4. TSentral'no-Kazakhstanskoye geologicheskoye upravleniye Ministerstva geologii i okhrany nedr SSSR (for Verk, Dyugayev, Kavun, Kuronko, Uzbekov). 5. Nauchno-issledovatel'skiy institut mekhanicheskoy obrabotki poleznykh iskopayemykh (Mikhanobr) (for Patkovskiy). 6. Gosudarstvennyy institut proyektirovaniya metallurg.zavodov (Giprometz) (for Boleslavskaya, Indenbom, Finkel'shteyn, Nevskaya, Fedoseyev, Karpilovskiy). 7. Mezhduvedomstvennaya postoyannaya komissiya po zheleza AN SSSR (for Shapiro, Zernova, Kalganov). 8. Gosplan SSSR (for Lapin).
(Kazakhstan--Iron ores)

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

ABDULLAYEV, Kh.M.; ALYAVDIN, V.F.; AMIRASLANOV, A.A.; ANIKEYEV, N.P.; ARAPOV, Yu.A.; BARSANOV, G.P.; BELYAYEVSKIY, N.A.; BOKIY, G.P.; BORODAYEVSKAYA, M.B.; GOVOROV, I.N.; GODLEVSKIY, M.N.; SECHEGLOV, A.D.; SHAKHOV, F.N.; SHILO, N.A.; YARMOLYUK, V.A.; DRAHKIN, I.Ye.; YEROFEYEV, B.N.; YERSHOV, A.D.; IVANKIN, P.F.; ITSIKSON, M.I.; KARPOVA, Ye.D.; KASHIN, S.A.; KASHKAY, M.A.; KORZHINSKIY, D.S.; KOSOV, B.M.; KOTLYAR, V.N.; KREYTER, V.M.; KUZNETSOV, V.A.; LUGOV, S.F.; MAGAK'YAN, I.G.; MATERIKOV, M.P.; OBRUCHEV, V.A.; OBRUCHEV, M.M.; PAVLOV, Ye.S.; SATPAYEV, K.I.; SMIRNOV, V.I.; SOBOLEV, V.S.; SOKOLOV, G.A.; STRAKHOV, N.M.; TATARINOV, I.M.; KHRUSHCHOV, N.A.; TSAREGRADSKIY, V.A.; CHUKHROV, F.V.

In memory of Oleg Dmitrievich Levitskii; obituary. Sov.geol. 4 no.5:156-158 My '61. (MIRA 14:6)
(Levitskii, Oleg Dmitrievich, 1909-1961)

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

BARDIN, I.P , akademik, otv. red.[deceased]; BELYANCHIKOV, K.P., nauchnyy red.; YEROFEYEV, B.N., nauchnyy red.; ZVYAGIN, P.Z., nauchnyy red.; KOSHELEV, V V., nauchnyy red.; MELESHKIN, S.M., nauchnyy red.; MIRLIN, G.O., nauchnyy red.; MOSKAL'KOV, Ye.F., nauchnyy red.; POKROVSKIY, M.A., nauchnyy red.; SLEDZYUK, P.Ye., nauchnyy red.; FINKELSHTEYN, A.S., nauchnyy red.; KHARCHENKO, A.K., nauchnyy red.; SHEVYAKOV, L.D., akademik, nauchnyy red.; SHAPIRO, I.S., nauchnyy red.; SHIRYAYEV, P.A., nauchnyy red.; OKHRIMYUK, Ye.M., nauchnyy red.; YANSHIN, A.L., akademik, nauchnyy red.; MAKOVSKIY, G.M., red.izd-va; VOLKOVA, V.G.,tekhn. red.

[Oolitic iron ores of the Lisakovka deposit in Kustanay Province and means for their exploitation]Oolitovye zheleznye rudy Lisakovskogo mestorozhdeniia Kustanaiskoi oblasti i puti ikh ispol'zovaniia. Moskva, Izd-vo Akad. nauk SSSR, 1962. 234 p. (Zhelezorudnye mestorozhdeniia SSSR [no.1]) (MIRA 15:12)

1. Akademiya nauk SSSR. Institut gornogo dela.
(Kustanay Province--Iron ores)

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VASIL'YEV, V.V.; VRONSKIY, B.I.; YEROFEYEV, B.N.; KECHEK, G.A.; KOSOV, B.M.; TUPITSYN, N.V.; TSAREGRADSKIY, V.A.; SHATALOV, Ye.T.

Sergei Dmitrivich Rakovskii, obituary. Geol.rud.mestorozh. no.3:133-134 My-Je '62. (MIRA 15:6)
(Rakovskii, Sergei Dmitrievich, 1899-1962)

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KROPOTKIN, B. N.; LUGOV, S. F.

Okhotsk-Chukchi volcanic belt, its metal potential, and prospecting problems. Sov. geol. 5 no.10:3-15 O '62. (MIRA 15:10)

1. Ministerstvo geologii i okhrany nedr SSSR.

(Okhotsk region—Ore deposits)
(Chukchi Peninsula—Ore deposits)

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"APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001962820014-8

SHCHERBAKOV, D.I., akademik, glav. red.; YEROFEYEV, B.N., otv. red.;
NALIVKIN, D.V., akademik, red.; AL'TGAUZEN, M.P., red.;
DANCHEV, V.I., red.; MOZERSON, D.L.; LEVCHENKO, S.V., red.;
CHAYKOVSKIY, V.K., red.; SHEYNMAN, V.S., red. izd-va;
DOROKHINA, I.N., tekhn.red.; LAUT, V.G., tekhn.red.

[Geochemistry, petrography, and mineralogy of sedimentary formations] Geokhimiia, petrografiia i mineralogiia osadochnykh obrazovanii. Moskva, 1963. 457 p. (MIRA 16:12)
(Rocks, Sedimentary)

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YEROFEYEV, B.N.

Considering the problems of the geological and [illegible] evaluation of hard ore deposits in the Permanent Commission on Geology of the Member Countries of the Mutual Economic Assistance Council. Razved. i okh. nedr 31 no.1:30-36 Ja '65. (MIRA 18:3)

1. Sovet ekonomicheskoy vzaimopomoshchi.

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KOTLYAR, V.N., doktor geol.-miner. nauk, prof., red.; APEL'TSIN, F.Ye., doktor geol.-miner. nauk, red.; YEROFEYEV, B.N., kand. geol.-miner. nauk, red.; LUGOV, S.F., doktor geol.-miner. nauk, red.; FOGEL'MAN, N.A., kand. geol.-miner. nauk, red.; KHRUSHCHOV, N.A., doktor geol.-miner. nauk, red.

[Materials of the Interdepartmental Conference on the Problem "The Ore Potential of Volcanic Formations"] Materialy Mezhvedomstvennogo soveshchaniia po probleme "Rudonosnost' vulkanogennykh formatsii." Moskva, Nedra, 1965. 324 p. (MIRA 18:6)

1. Mezhvedomstvennoye soveshchaniye po probleme "Rudonosnost' vulkanogennykh formatsiy," Moskva, 1963.

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YEROFEYEV, B.

In the servitude of foreign monopolies; Iranian budget. Fin. SSSR 23 no.6:81-86 Je '62. (MIRA 15:7)
(Iran--Budget)

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