S/126/63/015/003/014/025
E193/E383

AUTHORS: Kreymer, G.S., Alekseyeva, N.A. and Vakhovskaya, M.R.

TITLE: On the problem of the mechanism of fracture of sintered hard alloys

PERIODICAL: Fizika metallov i metallovedeniye, v. 15, no. 3, 1965, 428 - 434

TEXT: In an earlier paper (present authors - FMM, v.13, no. 4, 1962, 609) a theory of the mechanism of fracture of cobalt-bonded carbides as a function of the cobalt content was presented. New evidence, obtained by both the authors and other workers, is used in the present paper to supplement this theory and to formulate some of its aspects in more precise terms. It was postulated earlier that the effect of the Co content c on the breaking stress σ of a Co-bonded carbide could be described by:

$$\sigma^2 = AEc + K \qquad (1)$$

where c is the Co content (vol.%), E the elastic modulus of Co and K a constant depending on the particle size of the WC particles and equal to zero when this particle size is less than

On the problem of ....

2 to 3 μ. It has been found since that this equation is valid for specimens characterized by the different size of the WC particles, that it applies not only at room temperature but also at 200, 400 and 600 °C, and that it holds not only for Co-WC but also for TiC-WC-Co alloys. These data are correlated with the known Griffith-Orowan formula and it is shown that for alloys prepared under the same conditions and tested at 20 to 400 °C the value of A in Eq. (1) is independent of temperature and the WC particle size. The fact that A is independent of the WC particle size and, consequently, of the thickness of the Co layers separating the WC grains, means that the variation in thickness of these layers does not affect the work of plastic deformation per unit volume of Co up to the maximum on the $\sigma(c)$ curve, i.e. up to the moment at which the stress in the alloy reaches the level of the yield point. This means that the thickness of the Co layers separating the WC grains cannot affect the breaking stress of WC-Co alloys. In the next paragraph the authors show that $K^{1/2}$ is approximately equal to the bonding strength of pure WC. When, in the case of small WC particle size, $K = 0$, and the $\sigma(c)$ curve passes through the origin of the

Card 2/5

On the problem of ....

system of coordinates, this means that the plane of fracture does not intersect any WC grains. Having established that the breaking stress of Co-bonded carbides in the initial (ascending) branch of the $\sigma(c)$ curve is determined only by the stress required to propagate cracks, the authors restate the proposition that this is possible only if (1) the crack nuclei of required size are already present in the material or (2) the cracks are initiated on the application of a load, in which case the stress required for their formation and growing to the critical size is considerably lower than that required for their propagation. Both these possibilities and their implications are discussed, after which experimental evidence is quoted to support the view that on the Co content reaching the value corresponding to the maximum strength of Co-bonded carbides, the stress in the Co layers separating the WC particles reaches the yield point of Co. It is shown also that the yield point of the cemented carbides (in the range corresponding to the right, i.e. descending branch of the $\sigma(c)$ curve) varies in the same manner as the breaking stress. This is demonstrated in Fig. 2, where curve 1, due to Engle (Powder Metallurgy, Edited by Wulff, ASM, 1942, p. 436), shows the effect of the Co content on the

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C the problem of .....

compressive strength ($\sigma_{c\%}$, kg/mm^2) of WC-Co alloys and curve 2, due to Dawihl (and Orowan - Symposium on internal stresses in metals and alloys, Inst. Metals, London, 1948; Dislocation in metals, Amer. Inst. Mining Met. Petrol Eng., 1954), shows the effect of the Co content on the 0.01% proof stress ($\sigma_{0.01}$, kg/mm^2) of the material. In conclusion, it is shown that the right branch of the $\sigma(c)$ curve is satisfactorily described by an equation due to Unkel:

$$\sigma = Ac^{-Bv^{1/3}} \qquad (6)$$

where σ is the breaking stress, c the Co content (vol.%), $v^{1/3}$ a term proportional to the distance between the carbide particles, A, B are constants and by a more simple formula due to Orowan:

$$\sigma = A/\log(v^{1/3}) \qquad (7) .$$

There are 3 figures and 1 table.

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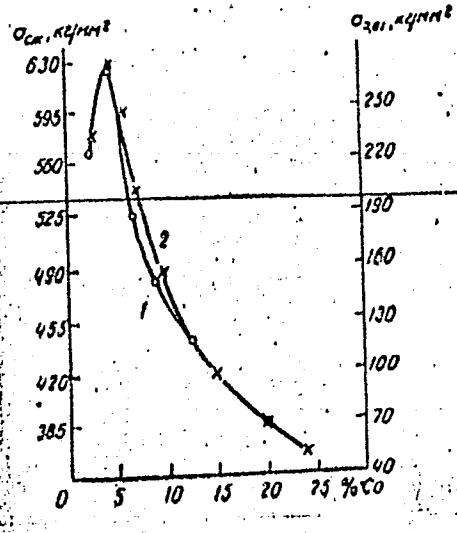
S/126/63/015/003/014/025
E193/E383

On the problem of ....

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut tverdykh splavov (All-Union Scientific Research Institute of Hard Alloys)

SUBMITTED: July 23, 1962

Fig. 2:



Card 5/5

SOURCE: Ref. zh. Metallurgiya, Abs. 9I24I

1964, 151-172

TOPIC TAGS: tungsten carbide, cobalt, tungsten alloy, titanium carbide, metal ceramic material, metal failure

TRANSLATION: The latest refinement of the theory of failure of

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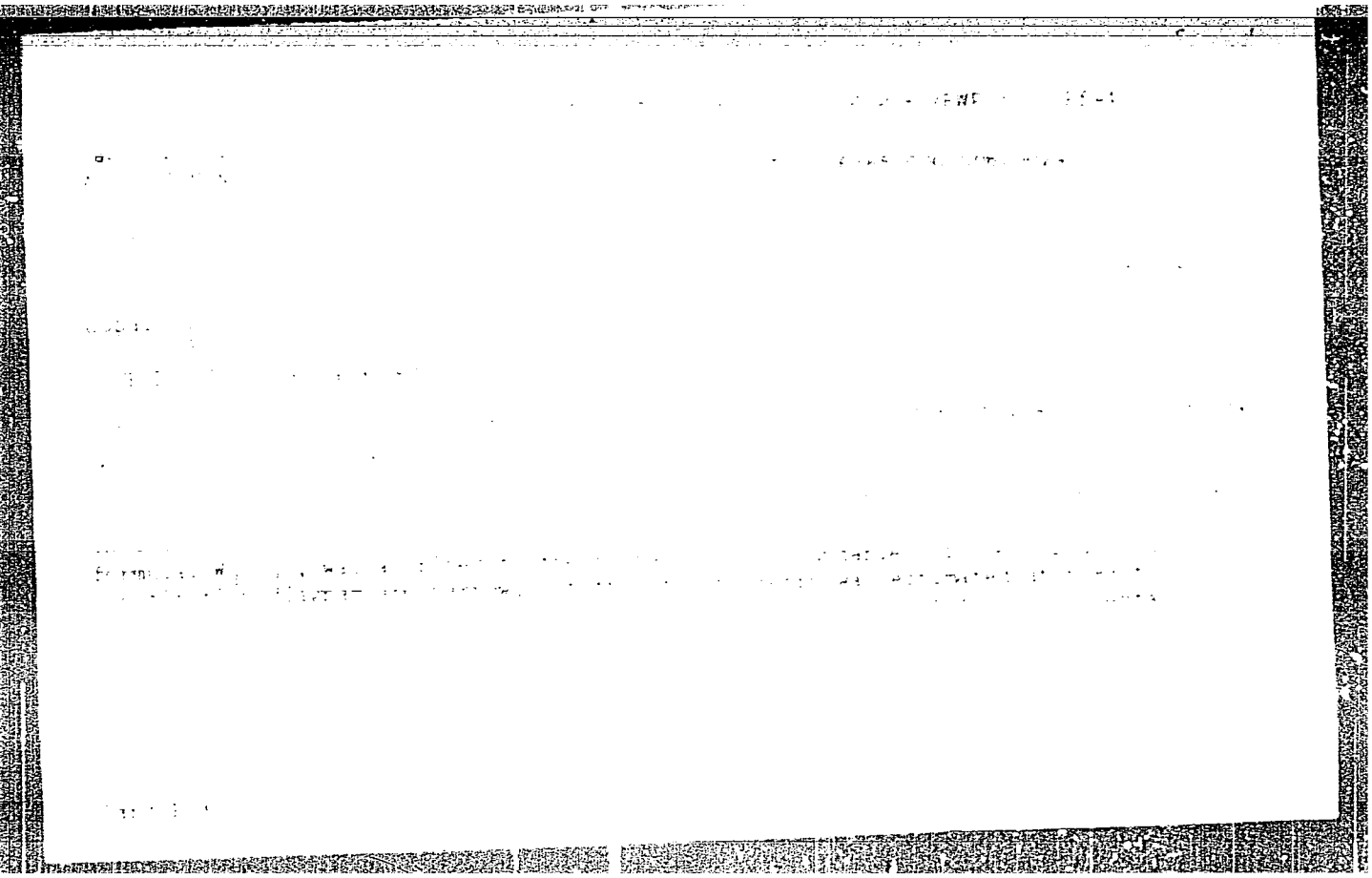
L 20810-65
ACCESSION NR: AR4048241

coordinates. Values of A and K are presented at different temperatures. For tungsten carbide-cobalt alloys prepared under identical

magnitude of K is proportional to the average grain size of the

SUB CODE: MM ENCL: 00

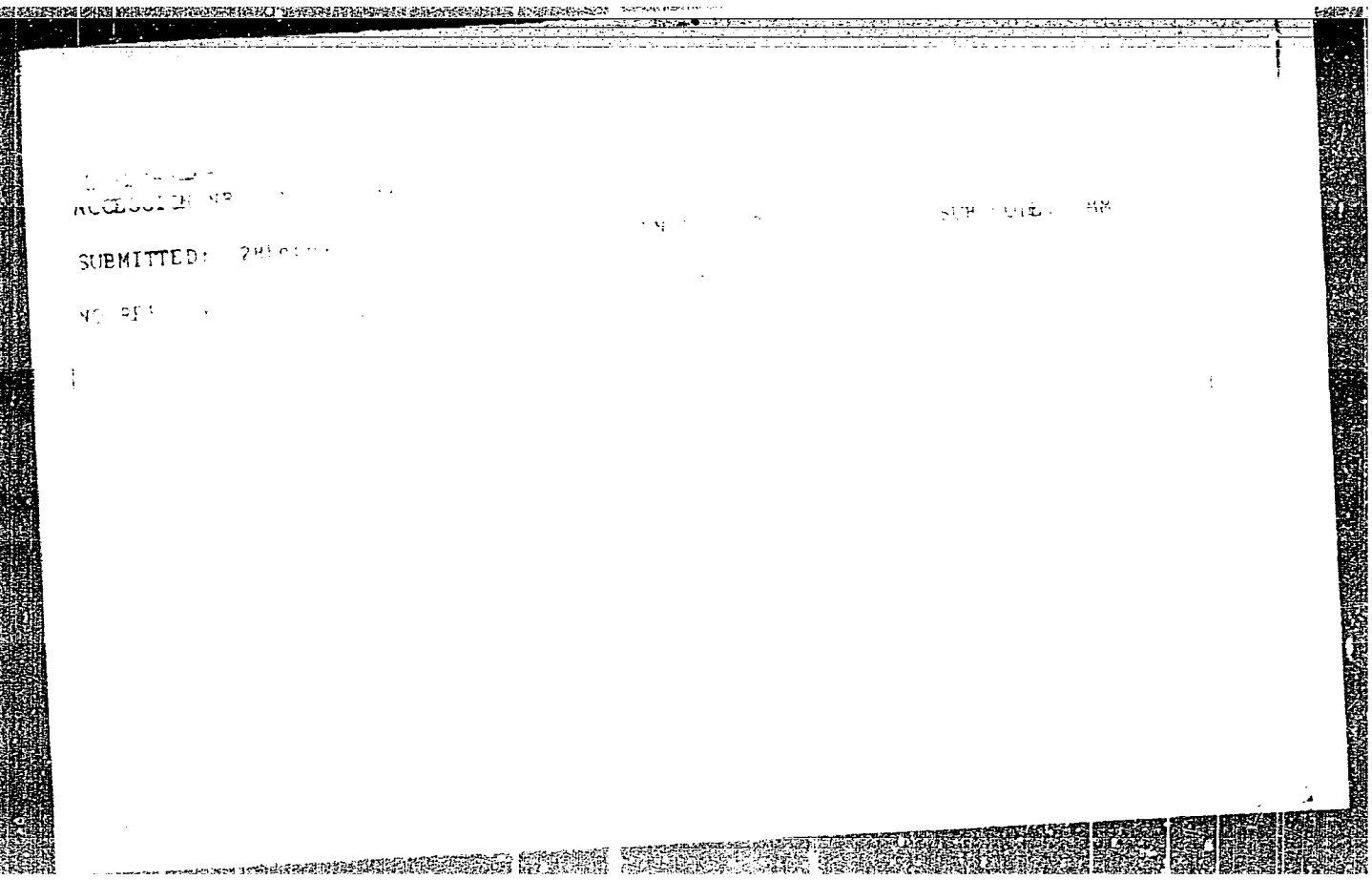


L 62785-65
ACCESSION NR: AP5016034

4

method was used to determine the quantity of η-phase. The bend strength and impact strength were determined at 293, 473 and 873°K, each value representing an arithmetical average of 20 tests. At room temperature, the presence of η-phase (0 to 8% by volume) in the forms of "lakes" or dendritic "laces" greatly reduced the strength, as [illegible]

ture increased from 293 [illegible] the alloys in contact with cast the phase content. Studies [illegible] the η phase. It was concluded that the test [illegible] graphite. [illegible]



SUBMITTED:

KREYMER, G.S.; VAKHOVSKAYA, M.K.

Effect of the carbon content in hard tungsten carbide-cobalt alloys on their mechanical properties. Porosh.met. 5 no.6:24-31 Je '65. (MIRA 18:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut tverdykh splavov.

VAKHOVSKIY, Ye.F.

Characteristic curves of neighborhood matrices for semiregular graphs. Sib. mat. zhur. 6 no.1:44-49 Ja-F '65. (MIRA 18:4)

KARASIK, G.Ye.; MIRONYCHEV, V.; YEGOROV, I.; BATYROV, R.; DZUSOV, B.; VAKHRAMEYEV, A.

In the oil regions of our country. Neftianik 6 no.1:30-33 Ja '61. (MIRA 14:4)

(Petroleum industry)

VAKHRAMEEV, Aleksandr Ivanovich.

English-Russian dictionary for metallurgists of the ferrous and non-ferrous metal industry Moskva, Gostekhizdat, Ogiz RSFSR, 1940. 392 p. (42-27501)

TN609.A6 1940

1. Metallurgy - Dictionaries. 2. English language - Dictionaries - Russian. I. Zalogin, N. A. II. Vakhrameev, Aleksandr Ivanovich.

SEDOV, M.P., inzh.; ZHURIN, V.D., prof., red.; VAKHRAMEYEV, A.K., red.; BORUNOV, N.I., tekhn.red.

[Protective reinforced concrete shells in building hydraulic structures] Zashchitnye zhelezobetonnye obolochki v gidrotekhnicheskom stroitel'stve. Pod red. V.D.Zhurina. Moskva, Gos.energ.izd-vo, 1958. 95 p. (MIRA 13:2)
(Precast concrete construction)

BOZHKO-STEPANENKO, Gleb Mikhaylovich; SOKOLOV, Vsevolod Arkad'yevich; VAKHRAMEYEV, A.K., red.; BORUNOV, N.I., tekhn.red.

[Concrete dams of hydroelectric power stations in the Glockner-Kaprun system] Betonnye plotiny gidroelektrostantsii Glokner-Kaprun. Moskva, Gos.energ.izd-vo, 1959. 95 p. (MIRA 13:8)
(Kaprun-Ache Valley--Dams)

ROZANOV, Nikolay Pavlovich, dotsent, kand.tekhn.nauk; AGROSKIN, I.I., doktor tekhn.nauk, prof., retsenzent; AKHUTIN, A.N., doktor tekhn.nauk, prof., retsenzent; VAKHRAMEYEV, A.K., red.; MATVEYEV, G.I., tekhn.red.

[Problems in designing hydraulic conduits operating under vacuum or in swiftly flowing current] Voprosy proektirovaniia vodopropusknykh sooruzhenii, rabotaiushchikh v usloviiakh vakuuma i pri bol'shikh skorostiakh potoka. Moskva, Gos.energ.izd-vo, 1959. 206 p. (MIRA 12:6)

(Hydraulic engineering)

VAYNSHTEYN, Georgiy Mikhaylovich; VAKHRAMEYEV, A.K., red.; BORUNOV, N.I., tekhn. red.

[Building arch dams] Stroitel'stvo arochnykh plotin. Moskva, Gos. energ.izd-vo, 1961. 167 p. (MIRA 14:6)
(Dams)

VAKHRAMEYEV, A.N.

On an error in the theoretical analysis of ferroresonance frequency phenomena equal to one-third of the frequency of the incuced force. Zhur.tekh.fiz. 26 no.8:1862 Ag '56. (MLRA 9:11)
(Ferromagnetism)

MIGULIN, V.V.; VAKHRAMEYEV, A.N.

New method for heteroparametric regeneration of an electric oscillating circuit. Nauch. dokl. vys. shkoly; fiz.-mat.nauki no.1:138-142 '58. (MIRA 12:3)

1.Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.
(Electric circuits)

69786
S/055/59/000/06/12/027
B006/B005

9.3260

AUTHOR: Vakhrameyev, A. N.

TITLE: Parametric Regeneration and Excitation of Oscillations in an Electric Circuit on Periodical Magnetization of the Core of an Inductance by a Transverse Field

PERIODICAL: Vestnik Moskovskogo universiteta. Seriya matematiki, mekhaniki, astronomii, fiziki, khimii, 1959, No. 6, pp. 120 - 126

TEXT: It was reported before (Ref. 1) on the possibilities of parametric regeneration and excitation of oscillations in an electric oscillation circuit by periodic inductance variation. In the present paper, the author reports on the results of an investigation of the most important peculiarities in the course of parametric regeneration and excitation of oscillations in an electric oscillation circuit on modulation of the inductance by a transverse magnetic field. The peculiarities of the method when working with a longitudinal field, which mainly consist in the appearance of a nonlinearity, are discussed at first. On the modulation with a transverse field, variations of magnetic properties only appear in a narrow part of the inductor core, and the resulting nonlinearities

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69786

Parametric Regeneration and Excitation of Oscillations in an Electric Circuit on Periodical Magnetization of the Core of an Inductance by a Transverse Field

S/055/59/000/06/12/027
B006/B005

of the oscillation circuit are of a different nature than in the case of longitudinal modulation; they manifest themselves mainly by amplitude oscillations. A "oksifer-200" ferrite core was used for the investigations. Some details of its properties and the losses occurring in the circuit are indicated, Fig. 2 shows the block diagram of the experimental arrangement. It is described briefly. Fig. 3 shows the resonance curves obtained for "strong" and "weak" resonance on the parametric regeneration of the circuit with a damping decrement d = 0.0346 for three different modulation coefficients. § 4 of the paper reports on the parametric production of oscillations with $m \geq d$ ($m = \Delta L/L$, the relative modulation depth of the parameter (inductance)). A table shows the theoretical m-values for a rectangular modulation law, those for a sinusoidal law of parametric modulation, and the corresponding experimental values. Fig. 6 shows the resonance curves for different m-values. It is shown that all parametric effects resulting from theory can be observed in an experimental investigation of parametric regeneration and excitation of oscillations in the circuit on transverse modulation. In conclusion, the author thanks Professor V. V. Migulin for suggesting the subject and giving advice. There are 6 figures, 1 table, and 5 Soviet references.

Card 2/3

69786

Parametric Regeneration and Excitation of Oscillations in an Electric Circuit on Periodical Magnetization of the Core of an Inductance by a Transverse Field

S/055/59/000/06/12/027
B006/B0[illegible]

ASSOCIATION: Kafedra teorii kolebaniy (Chair of Oscillation Theory)

SUBMITTED: May 13, 1959

Card 3/3

S/109/61/006/005/020/027
D201/D303

9,2572

AUTHOR: Vakhrameyev, A.N.

TITLE: Experimental study of forced oscillations in a parametric regenerative oscillating circuit

PERIODICAL: Radiotekhnika i elektronika, v. 6, no. 5, 1961, 835 - 837

TEXT: The processes occuring in oscillating systems with periodically varying parameters under an external harmonic excitation and when the ratio of the exciting force to the oscillating parameter frequency is not a whole number have been studied in a rather cursory manner in literature. Some information about such processes can be found in works of G.S. Gorelik (Ref. 1: ZhTF, 1934, 4, 1783; ZhTF, 1935, 5, 195; ZhTF, 1935, 5, 489), of S.M. Rytov and of M.A. Divil'kovskiy (Ref. 2: ZhTF, 1936, 6, 474). V.V. Migulin (Ref. 3: Radiotekhnika i elektronika, 1960, 5, 6, 955) has evaluated the forced oscillations in a system with periodically varying capaci-

Card 1/5

S/109/61/006/005/020/027
D201/D303

Experimental study of ...

tance (and/or inductance). In the present short communication, the author gives the results of experimental investigation of forced oscillations in an oscillating circuit with a periodically varying inductance. The modulation of inductance was obtained by varying the magnetic permeability of a small portion of a toroidal ferrite core by a transverse magnetic field. The modulating field was applied perpendicularly to the magnetic field produced by the winding of the core (Ref. 5: V.V. Migulin, A.N. Vakhrameyev, NDVSh (Fiz.-mat.nauki), 1958, 1, 138). The external oscillating excitation was applied to the oscillating circuit from a current generator having its internal resistance much higher than the resonance resistance of the circuit. The frequency of parameter variation was obtained from a crystal stabilized generator and was equal to $2\omega_o$ = 75 kc/s, where ω_o - the mean self-oscillating frequency of the circuit. The logarithmic decrement of the oscillating circuit was determined from the rate of decay of free transient oscillations. The modulation coefficient m was measured from the value of

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Experimental study of ...

the logarithmic decrement for which the modulation coefficient was becoming critical or $m = \frac{d}{2}$ (Ref. 4: L.I. Mandel'shtam, Sochineniya (Works) Vol. II, Izd. AN SSSR, 1947). The dependence of the amplitude is shown of components of forced oscillations: A_1 - at a frequency p and A_2 - at a frequency $2\omega_0 - p$ - on the detuning ξ, obtained experimentally from formulae as given in Ref. 3 (Op. cit.):

$$\frac{A_1^2}{A^2_{1,\xi=0,\,m=0}} = \frac{16\vartheta^2(\xi^2+\vartheta^2)}{\left(4\xi^2+4\vartheta^2+\frac{m^2}{4}\right)^2 - 4\vartheta^2 m^2},$$

$$\frac{A_2^2}{A^2_{1,\xi=0,\,m=0}} = \frac{m^2\vartheta^2}{\left(4\xi^2+4\vartheta^2+\frac{m^2}{4}\right)^2 - 4\vartheta^2 m^2}.$$

where ϑ - attenuation of the oscillating circuit $\vartheta = 69 \cdot 10^{-4}$; m - the relative modulation depth of the parameter. Fig. 2 shows the dependence of amplitude of components of oscillations in the

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Experimental study of ...

circuit on the magnitude of the forcing emf. for three fixed values of detuning.

Fig. 2.

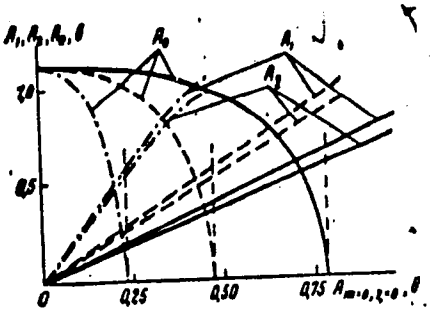
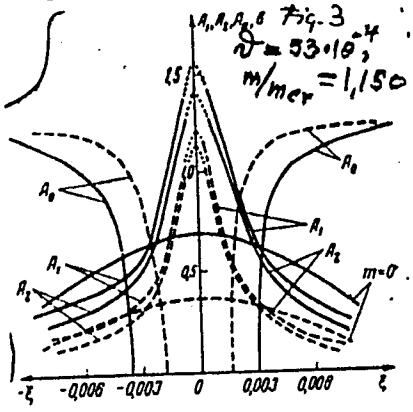


Fig. 3.



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Experimental study of ...

The experimental curves of variations of A_1, A_2 and A_0 as functions of detuning of the external force for a constant amplitude of the exciting emf are shown in Fig. 3. The results obtained have fully confirmed the conclusions obtained from the linear analysis of forced oscillations in an underexcited parametric system and proved that all assumptions have been correctly chosen. These results have also confirmed the presence of spectral components and the possibility of attenuating the component having the frequency of forced parametric oscillations by the application of an external excitation. The author thanks V.V. Migulin for suggesting the subject of the article and for his help. There are 3 figures and 5 Soviet-bloc references.

ASSOCIATION: Fizicheskiy fakul'tet Moskovskogo gosudarstvennogo universiteta im. M.V. Lomonosova, Kafedra teorii kolebaniy (Faculty of Physics of the Moscow State University im. M.V. Lomonosov, Department of the Theory of Oscillations)

SUBMITTED: February 2, 1960

Card 5/5

L 06414-67 EWT(d)/EWP(v)/EWP(k)/EWP h)/EWP(1)

ACC NR: AP6031280 (A) SOURCE CODE: UR/0229/66/000/008/0042/0045

AUTHOR: Poskrobko, A. A.; Vakhromeyev, A. P.

26
B

ORG: None

TITLE: A semiconductor static converter for electric welding operations 14

SOURCE: Sudostroyeniye, no. 8, 1966, 42-45

TOPIC TAGS: welding equipment, arc welding, electronic rectifier

ABSTRACT: The authors describe the VAKSV14-60M 24 semiconductor static converter based on silicon diodes and designed for welding production on rectified current. The basic technical data for this unit are as follows: three-phase fifty-cycle 380 vac supply voltage; 22.8 kva power consumption; welding current control range 20-450 a; a nominal welding current of 350 a with a rectification factor of 60% and 450 a with a rectification factor of 30%; a range of 20-25 v for measurement of the rectified voltage (at the arc); open-circuit voltage 63 v; efficiency 0.82; power factor 0.73; cyclic operation with a rectification factor of 60% for a five-minute cycle; cooling by natural air circulation; specific weight 33 kg/kw; specific volume 0.033 m^3/kw; acoustic noise level below 75 db. The converter operates at ambient temperatures from -40°C to +40°C and a relative humidity up to 98%. The unit is vibration- and shock-resistant and operates reliably during rotational motion up to 45° with periods of 3-14 sec. Variations in

UDC: 621.314.64

Card 1/2

L 06414-67

ACC NR: AP6031280

atmospheric pressure up to 2 atm have no effect on operation of this instrument. A comparison with other Soviet converters shows that the VAKSV14-60M has a lower amplification factor which is compensated for by higher efficiency. While the specific weight of the unit is somewhat higher than that of the other converters, forced-air cooling is not required which results in a reduction of acoustic noises. Orig. art. has: 5 figures, 2 tables.

SUB CODE: 13, 09/ SUBM DATE: None

Card 2/2

GVOZDEV, V.S.; VAKHRAMEYEV, B.A.; GERMAN, A.L.; KOSTIN, K.F.

[Equipment of agricultural hydroelectric stations] Oborudovanie sel'skokhoziaistvennykh gidroelektricheskikh stantsii. Sverdlovsk, Gos.nauchno-tekhn. izd-vo mashinostroit. i sudostroit.lit-ry [Uralo-Sibirskoe otd-nie] 1953. 231 p. (MLRA 6:12)

(Hydroelectric power stations)

VAKHRAMEYEV, B.A.

GERMAN, A.L.; PUNGER, A.S.: VAKHRAMEYEV, B.A.; OKULOV, I.B.; VAKHRAMEYEV, D.F., inzhener, retsenzent; [redacted], N.Ya., inzhener, redaktor; DUGINA, N.A., tekhnicheskiy redaktor

[Technology of the production of small and medium hydraulic turbines] Tekhnologiia proizvodstva malykh i srednikh gidroturbin. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1954. 399 p. [Microfilm] (MLRA 8:3)
(Hydraulic turbines)

VAKHRAMEYEV, Boris Alekseyevich; ROGACHEVSKIY, L.A., kand.tekhn.nauk, red.; SARAFANNIKOVA, G.A., tekhn.red.

[Development of hydraulic turbine design] Razvitie konstruktsii gidroturbin. Moskva, Gos. nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1957. 133 p. (MIRA 11:5)
(Hydraulic turbines)

GVOZDEV, Vlas Semenovich, kand.tekhn.nauk; VAKHRAMEYEV, Boris Alekseyevich, inzh.; GERMAN, Avraam L'vovich, inzh.; KOSTIN, Konstantin Fedorovich, inzh.; LEVINTOV, Samuel' Davidovich, kand.tekhn.nauk; TARASOV, A.S., inzh., retsenzent; YERMAKOV, M.P., tekhn.red.

[The equipment of rural hydroelectric power plants] Oborudovanie sel'skikh gidroelektricheskikh stantsii. Izd. 2-oe, perer. Pod obshchei redaktsiei V.S.Gvozdeva. Moskva, Gos.nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1957. 423 p. (MIRA 11:2)
(Hydroelectric power stations)

VAKHRAMEYEV, B. A., Eng.

"Structural Improvements in Hydraulic Turbines and Pumping Installations" p. 411-420 in book
Increasing the Quality and Efficiency of Machinery, Moscow, Mashgiz, 1957. 626pp.

SOV/117-59-8-32/44

25(5)

AUTHOR: Vakhrameyev, B.A., Chief Designer

TITLE: Let Us Support the Initiative of the Uralmashzavod

PERIODICAL: Mashinostroitel', 1959, Nr 8, pp 36-38 (USSR)

ABSTRACT: The article starts with an editorial note saying that an article published in the Nr 5 issue, "For the Best Machines in the World" (by Engineers Golubkov and Satovskiy) described the experience of the Uralmashzavod in raising the productivity and commerciality of its machines. The present article tells how the designers of the Ural Plant of Hydromachines are doing similar work. Machine models from the Ural Plant of Hydromachines have been shown at fairs and exhibitions in the Soviet Zone of Germany, Poland, Czechoslovakia, Austria and the UAR. The designing bureau of the plant was small until 1954, and turbine and pump projects were mainly obtained from the Tsentral'noye konstruktorskoye byuro gidromashin

Card 1/3

Let Us Support the Initiative of the Uralmashzavod

(Central Design Bureau of Hydro-Machines). The few turbines designed at the plant included the four radial--axial 7,300 kW turbines for the Krasnopolyanskaya GES, one 4,000 kW turbine for the Samgorskiy gidrouzel (Samgori Hydraulic Center) and one of 2,500 kW for the Andizhanskaya GES (Andizhan GES) imeni Frunze. The vane turbines, produced in 1954, of up to 600 kW, were made for 17 different hydro-stations. The 7,100 kW radial-axial turbine made in 1957 was equipped with grease lubrication for the first time. The latest designs include a hydraulic turbine project of small size, new pump types "O" and "OP", the project of the pump "56V-12", etc. The machines built by old projects will be modernized. In 1959, the plant must start production of the "OAP" turbine, two motor-pump-turbine sets of 300 and 1,500 m^3/hr capacity, two automatic speed regulators of 1,500 and 3,000 kg-m work capacity, the new pumps "02-87".

Let Us Support the Initiative of the Uralmashzavod

"OP5-110", and "OP5-145", and "RS"-type regulators to replace the old "KE". The plant, jointly with the designers of the plant "Uralelektroapparat", is now working on a new small-size hydro-plant, with the turbine and the generator on one shaft. It will require a lower building (10-meters less) than usual and only 26 tons of metal (as compared with the usual 32 tons) per power unit. This project is illustrated (Figure 2) in comparison with a plant with a conventional turbo-generator set. There are 2 diagrams.

ASSOCIATION: Ural'skiy zavod gidromashin (The Ural Plant of Hydromachines).

VAKHARMEYEV, B.A.; RUDAKOV, Ye.N.

Bukcet-wheel hydraulic turbine for the No.2 Alma-Ata Hydroelectric Power Station. Biul.tekh.-ekon.inform. no.5:37-38 '60. (MIRA 14:3)
(Hydraulic turbines)

VAKHRAMEYEV, B A

PHASE I BOOK EXPLOITATION SOV/5863

German, Avraam L'vovich, and Boris Alekseyevich Vakhrameyev

Montazh i ekspluatatsiya lopastnykh nasosov (Installation and Operation of Rotary and Centrifugal Pumps) Moscow, Mashgiz, 1961. 179 p. 12,000 copies printed.

Reviewer: A. V. Sakhnin, Engineer; Tech. Ed.: N. A. Dugina; Executive Ed. of Ural-Siberian Department (Mashgiz): M. A. Bezukladnikov, Engineer.

PURPOSE : This book is intended for personnel concerned with the installation and operation of rotary and centrifugal pumps.

COVERAGE: The book gives general information on rotary and centrifugal pump designs and their classification and selection. The installation, starting, adjusting, repairing, and testing of typical pumps are discussed. Material on types K, NDS, and 48D-22 centrifugal pumps, types PrV, O, and OR axial-flow

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pumps, type V vertical pumps, and 14M12 x 4 pumps is included. Attention is given to developmental trends. Specifications, drawings, and diagrams of 54 pumps are given. No personalities are mentioned. There are 33 references, all Soviet.

TABLE OF CONTENTS:

EDEL', Yuriy Udovich; VAKHRAMEYEV, B.A., inzh., retsenzent; GRANOVSKIY, S.A., kand. tekhn. nauk, red.; MITARCHUK, G.A., red.izd-va; SHCHETININA, A.V., tekhn. red.

[Bucket hydroturbines; theory, study, calculations] Kovshovye digroturbiny; teoriia, issledovanie, raschet. Moskva, Mashgiz, 1963. 206 p. (MIRA 16:5)
(Waterwheels)

VAKHRAMEYEV, B.A., inzh.

Construction of hydraulic turbines in the Ural Hydraulic Machinery Plant. Energomashinostroenie 11 no.3:18-20 Mr '65.
(MIRA 18:6)

VAKHRAMEYEV, B.I., inzh.

Mechanical coal cleaning unit. Obog.i brik.ugl. no.12:3-11 '59. (MIRA 13:6)
(Coal preparation--Equipment and supplies)

VAKHRAMEYEV, D.F.

GERMAN, A.L.; PUNGER, A.S.; VAKHRAMEYEV, B.A.; OKULOV, I.B.; VAKHRAMEYEV, D.F., inzhener, retsenzent; BAUMAN, N.Ya., inzhener, redaktor; DUGINA, N.A., tekhnicheskiy redaktor

[Technology of the production of small and medium hydraulic turbines] Tekhnologiia proizvodstva malykh i srednikh gidroturbin. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1954. 399 p. [Microfilm] (MLRA 8:3)
(Hydraulic turbines)

LEBEDOVSKIY, Mstislav Stepanovich, inzh.; VAKHRAMEYEV, G.S., inzh., red.; GRIGOR'YEVA, I.S., red. izd-va; BELOGUROVA, I.A., tekhn. red.

[Mechanizing the packing of tranfsormers with laminar iron] Mekhanizatsiia nabivki transformatorov plastinchatym zhelezom. Leningrad, 1962. 24 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Mekhanicheskaia obrabotka metalla, no.22) (MIRA 15:11)
(Electric transformers) (Electric equipment industry)

112-57-8-16402D

Translation from: Referativnyy zhurnal, Elektrotekhnika, 1957, Nr 8, p 54 (USSR)

AUTHOR: Vakhrameyev, I. I.

TITLE: Underground Watertight Curtains
(Podzemnyye vodonepronitsayemyye zavesy)

ABSTRACT: Bibliographic entry on the author's dissertation for the degree of Doctor of Technical Sciences, presented to Sverdl. gorn. in-t (the Sverdlovsk Mining Institute), Sverdlovsk, 1956.

ASSOCIATION: Sverdl. gorn. in-t (the Sverdlovsk Mining Institute)

Card 1/1

VAKHRAMEYEV, I.I., dotsent

New method of calculating cement and clay grouting of rock; system of lateral grouting. Izv.vys.uqheb.zav.; gor.zhur. no.4: 58-74 '60. (MIRA 14:4)

1. Sverdlovskiy gornyy institut imeni V.V.Vakhrusheva. Rekomendovana kafedroy stroitel'noy mekhaniki.

(Grouting) (Mine drainage)

VAKHRAMEYEV, I.I., dotsent

Leakage through edges of gas barriers. Izv.vys.ucheb.zav.; gor.zhur. no.7:59-67 '60. (MIRA 13:7)

1. Sverdlovskiy gornyy institut imeni V.V.Vakhrusheva. Rekomendovana kafedroy stroitel'noy mekhaniki.
(Mine gases)
(Mining engineering--Safety measures)

VAKHRAMEYEV, I.I., dotsent

Calculating grouting injection into porous media. Izv. vys. ucheb. zav.; for. zhur. no.9:25-32 '60. (MIRA 13:9)

1. Sverdlovskiy gornyy institut im. V.V. Vakhrusheva. Rekomend. kafedroy stroitel'noy mekhaniki.
(Grouting)

VAKHRAMEYEV, I.I., dotsent

Problems of rock permeability. Izv. vys. ucheb. zav.; gor. zhur. no. 11:73-86 '60. (MIRA 13:12)

1. Sverdlovskiy gornyy institut imeni V.V. Vakhrusheva. Rekomendovana kafedroy stroitel'noy mekhaniki Sverdlovskogo gornogo instituta.
(Rocks--Permeability)

VAKHRAMEYEV, I.I., doktor tekhn.nauk; YAKOVLEV, B.T., inzh.

Comments on G.L.Rozenblit's article "Expediency of using tower headframes for multirope hoisting units." Shakht. stroi. 4 no.3:14-16 Mr '60. (MIRA 13:11)

1. Sverdlovskiy gornyy institut.
(Mine hoisting) (Rozenblit, G.L.)

VAKHRAMEYEV, I.I., doktor tekhn. nauk

Recent data on the coefficient of flow of unbound soils. Izv. vys. ucheb. zav.; gor. zhur. no.6:3-10 '61. (MIRA 16:7)

1. Sverdlovskiy gornyy institut imeni V.V. Vakhrusheva. Rekomendovana kafedroy stroitel'noy mekhaniki.
(Soil percolation)

VAKHRAMEYEV, I. I., prof.

Geometric parameters of fractured rocks. Izv. vys. ucheb. zav.; gor. zhur. no.9:5-14 '61. (MIRA 15:10)

1. Sverdlovskiy gornyy institut imeni V. V. Vakhrusheva. Rekomendovana kafedroy stroitel'noy mekhaniki.

(Joints(Geology))

VAKHRAMEYEV, I.I., prof.

Function of time in grouting soil. Izv. vys. ucheb. zav.; gor. zhur. 5 no.10:3-10 '62. (MIRA 15:11)

1. Sverdlovskiy gornyy institut imeni V.V.Vakhrusheva.
(Grouting)

VAKHRAMEYEV, I.I., prof.; DOBRODEYEV, S.A., dotsent; YAKOVLEV, B.T., starshiy prepodavatel'

Free horizontal vibrations of tower headframes with bearing walls in the shape of a rectangle or a circle in a plane. Izv. vys. ucheb. zav.; gor. zhur. 6 no.8:129-133 '63. (MIRA 16:10)

1. Sverdlovskiy gornyy institut imeni V.V. Vakhrusheva. Rekomendovana kafedroy stroitel'noy mekhaniki.

VAKHRAMEYEV, I.I.,prof.; POBRODEYEV, S.A., dotsent; YAKOVLEV, B.T., starshiy prepodavatel'

Method of designing reinforced concrete tower-type headframes with carrying walls calculated for forced oscillations. Izv. vys. ucheb. zav.; gor. zhur. 6 no.9:54-63 '63. (MIRA 17:1)

1. Sverdlovskiy gornyy institut imeni V.V. Vakhrusheva. Rekomendovana kafedroy stroitel'noy mekhaniki.

VAKHRAMEYEV, I.I., prof.; PISAREVA, L.B., inzh.

Establishing the radii of earthquakeproof zones for a complex of buildings of an ore dressing plant. Izv.vys.ucheb. zav.:gor.zhur. 7 no. 1:60-67 '64. (MIRA 17:5)

1. Sverdlovskiy gornyy institut imeni V.V.Vakhrusheva. Rekomendovanan kafedroy stroitel'noy mekhaniki.

VAKHRAMEYEV, I.I., prof.; DOBRODEYEV, S.A., dotsent; PISAREVA, L.B., inzh.

Method of calculating buildings for seismic effects in blasting operations. Izv. vys. ucheb. zav.; gor. zhur. 7 no.5:30-37 '64. (MIRA 17:12)

1. Sverdlovskiy gornyy institut imeni V.V. Vakhrusheva. Rekomendovana kafedroy stroitel'noy mekhaniki.

VAKHRAMEYEV, I.I., prof.

Settling of the solid phase during filtration of dispersed liquids. Izv. vys. ucheb. zav.; gor. zhur. 8 no.7:48-51 '65. (MIRA 18:9)

1. Sverdlovskiy gornyy institut imeni Vakhrusheva. Rekomendovana kafedroy stroitel'noy mekhaniki.

VAKHROMEYEV, I.S.

Age correlations of pyrites of the Uchaly deposits to porphyritic dikes. Izv.AN SSSR.Ser.geol. 21 no.5:66-73 My '56. (MLRA 9:8)

1. Ministerstvo tsvetnoy metallurgii SSSR, Trest "Uraltsvetmetrazvedka" Uchalinskaya geologo-razvedochnaya partiya, pos. Malyye Uchaly, Bash. ASSR.
(Uchaly--Pyrites) (Uchaly--Dikes (Geology))

VAKHROMEYEV, I.S.; OVCHINNIKOV, V.A.

Work practice of the Uchaly geological prospecting party in the improvement and development of directional drilling methods. Razved. i okh. nedr 23 no.6:13-18 Je '57. (MIRA 11:2)

1. Uchalinskaya geologo-razvedochnaya partiya.
(Boring)

VAKHROMEYEV, I.S.

Regularities in the localization of pyrite ores in the Uchalinskiy region of the Southern Urals. Trudy Gor.-geol. inst. UFAN SSSR no.40:121-135 '59. (MIRA 13:11)
(Ural Mountains--Pyrites)

VAKHROMEYEV, I.S.; MOSEYEVA, Ye.A.

Occurrence of schistose volcanic sedimentary rocks in the hanging layer of the Uchaly deposit and ore enclosures in them. Trudy Gor.-geol. inst. UFAN SSSR no.43:145-152 '59. (MIRA 13:11)
(Uchaly region--Petrology)

VAKHRAMEYEV, K. A.

42510. O Rabote zootekhnika-selektsionera. (Otklik na stat'yu A. M. Lukomskogo Mesto Selektsionera V Zyerosoykhoze Y Zhurn. Karakulevodstvo I Zverovodstvo, 1948, No. 1) Karakulevodstvo I Zyerovodstvo, 1948, No. 6, S. 59-60.

VAKHRAMEYEV, K. A.

Vakhrameyev, K. A. "On productive working methods in fur farming", (Reply to N. T. Portnova's article "Working with foxes in the Pushkinskiy fur state farm" in Karakulevodstvo i zverovodstvo, 1948, No. 5), Karakulevodstvo i zverovodstvo, 1949, No. 1, p. 42-43.

SO: U-3042, 11 March 53, (Letopis'nykh Statey, No. 10, 1949).

VAKHRAMEYEV, K. A.

Vakhrameyev, K. A. "On the problem of reducing the production costs of animal-raising farms," Karakulevodstvo i zverovodstvo, 1949, No. 2, p. 44-47.

SO: U-3736, 21 May 53, (Letopis 'Zhurnal 'nykh Statey, No. 17, 1949).

SOV/24-59-2-13/30

AUTHORS: Vakhrameyev, L. A., Ryvkin, A. M. (Moscow)

TITLE: The Calculation of Oscillation Components of the Ignition Current in the Bridge Rectifier Valves (Raschet kolebatel'nykh sostavlyayushchikh toka ventilya pri zazhiganii v mostovom preobrazovatele)

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Energetika i avtomatika, 1959, Nr 2, pp 87-92 (USSR)

ABSTRACT: High frequency oscillations excited in the valves of the bridge rectifier at the moment of ignition set an additional load causing radio interference. This is illustrated in Fig 1, where 1 represents the anode-cathode tension, 2 represents the valve current, 3 - current and tension at $L_1 = L_2 = 0.5$ µh and $L_3 = 13$ µh , 5 - current and tension at $L_1 = L_2 = 0.5$ µh , $L_3 = 13$ µh , $C_3 = 3000$ PF, 6 - current and tension at $L_1 = L_2 = 0.5$ µh , $L_3 = 13$ µh, $C_3 = 8000$ PF . These oscillograms were obtained from a substation on the power line Kashira-Moscow. A simplified circuit of the bridge segments is shown in Fig 2, where a - one segment of the bridge rectifier consisted of the valves B1 and B2, b - the conversion of the above circuit: it

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The Calculation of Oscillation Components of the Ignition Current in the Bridge Rectifier Valves

consists of 7 complete circuits, each becoming excited upon closing of the knife switches B1 and B2 . In this case the segments take the form of the set of circuits as shown in B ; B3 - non-sparking valve, L_1L_2 - anode reactors, L_3 - phase reactor, L_4 - winding of the power transformer, C_1, C_2 - capacity of isolated transformers, C_3 - total capacity of transformer sleeve and lead, C_4 - capacity of transformer neutral line, C_5, C_6, R_1, R_2 - conductivity and resistance of the dividing circuits, C_1, R_3 - conductivity and resistance of phase damping. The most difficult part of the calculation appears to be that of the conversion, which is affected by operational terms of the free current of a transitional character. The formula for the circuit 2b type, consisting of n segments can be defined as Eqs(1-3).

The Calculation of Oscillation Components of the Ignition Current in the Bridge Rectifier Valves

As an example, the Eqs (2) and (3) for $n = 4$ can be written as Eqs (4) and (5). For the 4-segment circuit the multi-term $F_2(p)$ can be written as Eq (6) for $p = j\omega$ and $\omega^2 = x$. The coefficients $a_0, \ldots a_4$ correspond to those of Eq (5). Thus a series of functions (7) are obtained for $f_3(x) \neq 0$. The table on p 92 gives the frequencies of the components of a transitional character at the ignition of the valves. The columns 1-4 illustrate the effect on phase, columns 4 and 6 show the calculated amplitudes I_1, I_2, I_3, I_5 corresponding to the transitional frequencies f_1, f_2, f_4 for $L_1 = L_2 = 0.5$ µh , $L_3 = 13$ µh , $L_4 = 50$ µh , $C_1 = C_2 = 500$ PF , $C_4 = 3000$ PF, and for the tension 100 kV with an angle

The Calculation of Oscillation Components of the Ignition Current in the Bridge Rectifier Valves

of valve extinction 20° (Fig 2). Column 6 corresponds to the oscillation 5 , while column 7 corresponds to the oscillation 4 , Fig 1. There are 2 figures, 1 table and 1 Soviet reference.

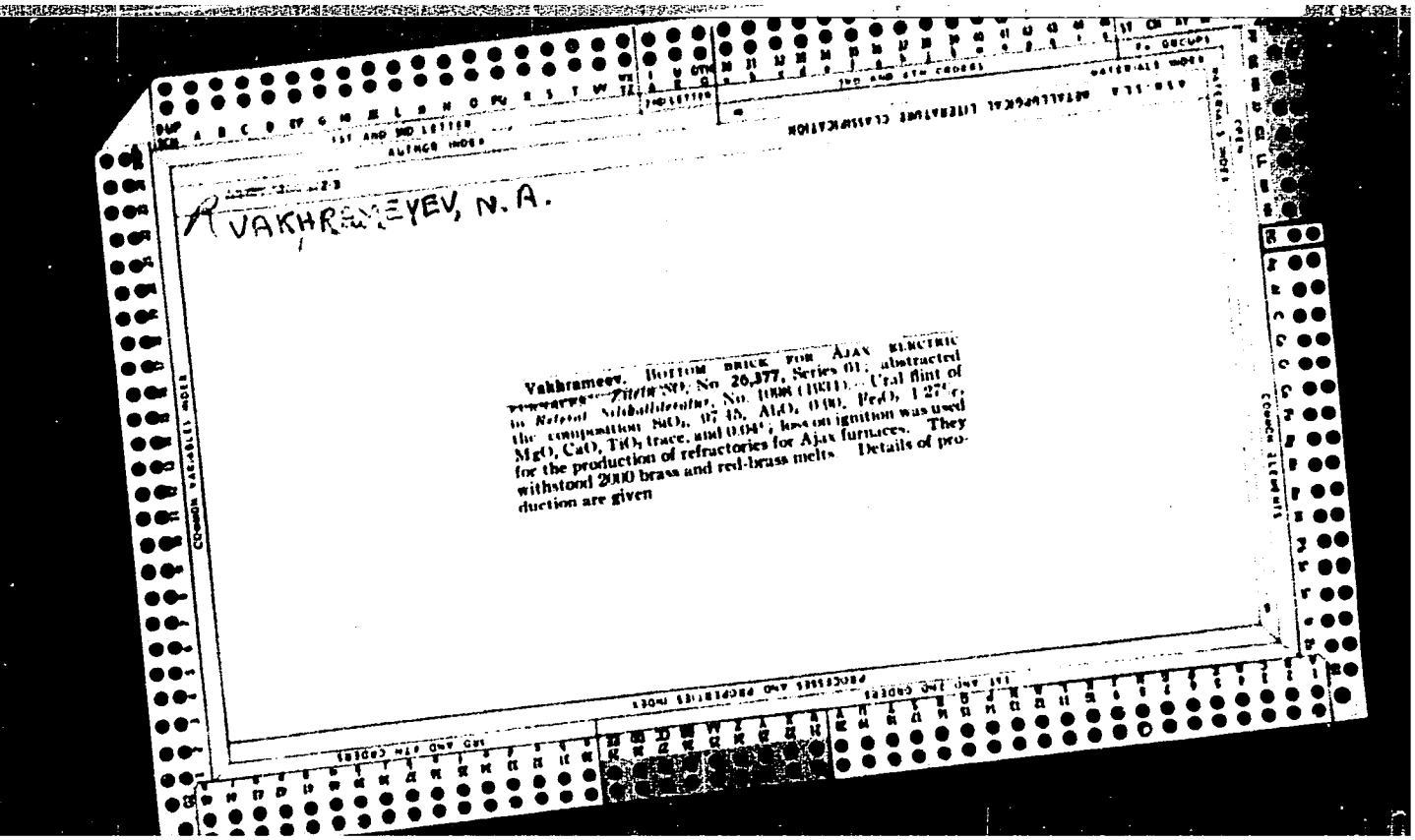
SUBMITTED: August 9, 1958.

Card 4/4

VAKHRAMEEV, N. A.

Diagram of equilibrium of the system: $PbO-SiO_2$. K. A. Krakau and N. A. Vakhrameev. State Optical Inst. (Leningrad), 70; Keram. i Steklo, 8, No. 1, 42-3 (1932).--The authors investigated the melting diagram of the $PbO-SiO_2$ system in the limits 0-72 mol. % SiO_2. The orthosilicate $2PbO.SiO_2$ and the metasilicate $PbO.SiO_2$ exist as definite chem. compds. and crystallize, the former at 746°, and the latter at 765°. A polymorphic conversion exists at 600° for the orthosilicate $2PbO.SiO_2$. A eutectic exists between the ortho- and metasilicates at a temp. of about 700°. The crystal and optical investigation showed the existence of the silicate $3PbO.SiO_2$, which is in a metastable state at temps. lower than 690°. The $3PbO.SiO_2$ forms eutectics also. The $PbO.SiO_2$ has a eutectic with SiO_2 at about 700°. Data on the optical properties are given. Forms of tridymite and cristobablite were found during the crystn. of silicates from glasses contg. 60-70% SiO_2. Two kinds of thermal effects were observed during the study of the $PbO-SiO_2$ system in the vitrified state: (1) the exothermic effect connected with the mol. conversion into the vitrified state and (2) the endothermic effect connected with crystn. of definite compds.

M. V. KONDOIDY



VAKHRAMEYEV, P.I., mayor meditsinskoy sluzhby, kandidat meditsinskikh nauk

Treatment of chronic inflammatory diseases of the skin ans subcutaneous cellular tissue by surgical removal of the inflammatory focus. Voen.-med. zhur. no.6:81 Je '51. (MLRA 9:9)
(SKIN--DISEASES) (FACE-- SURGERY)

VAKHRAMEYEV, P.I., kandidat meditsinskikh nauk.

Two observations of complicated hepatic echynococcus cyst. Khirurgiia no.10: 83-84 O '53. (MLRA 6:11) (Liver--Hydatids)

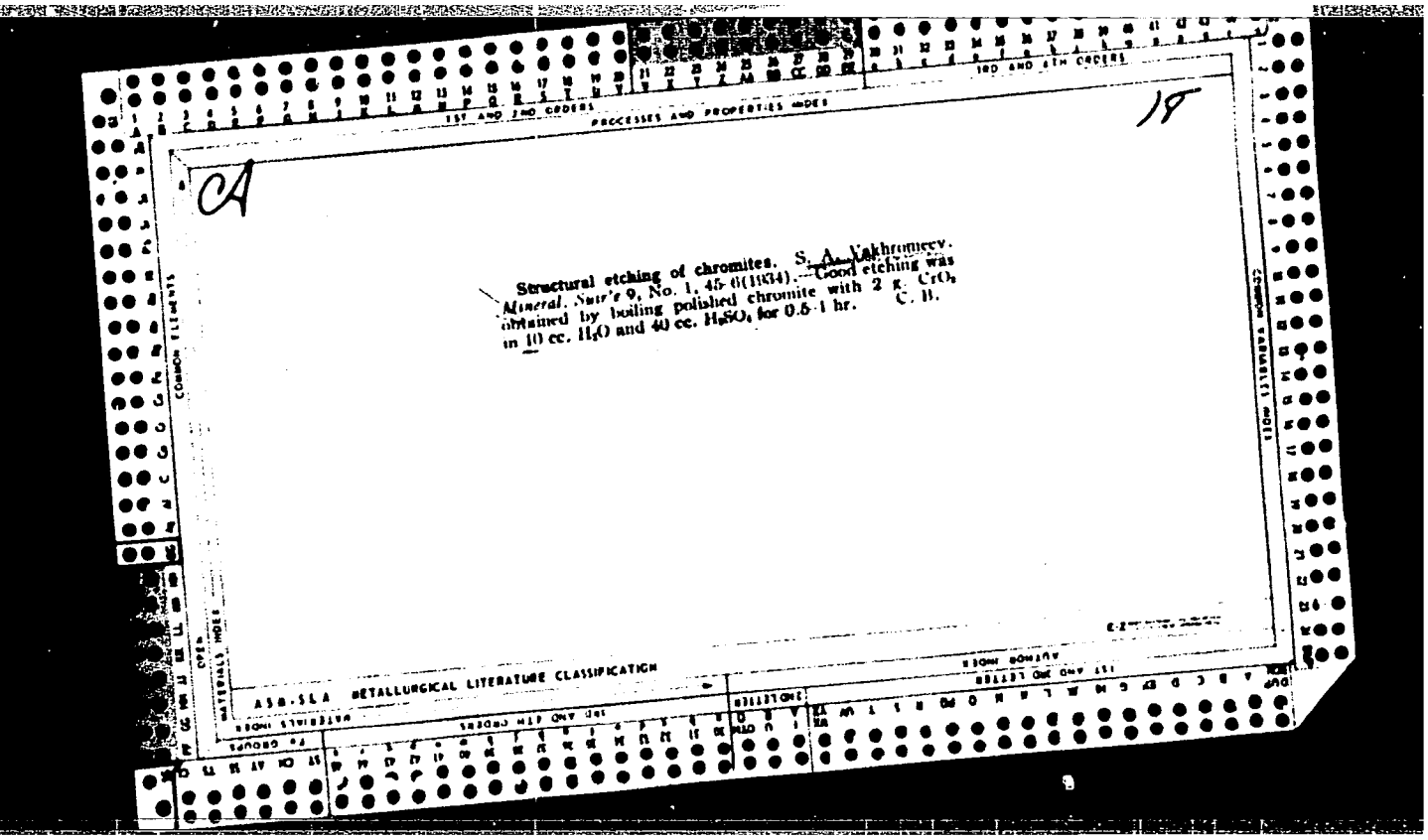
VAKHRAMEYEV, P.I., kand. med. nauk

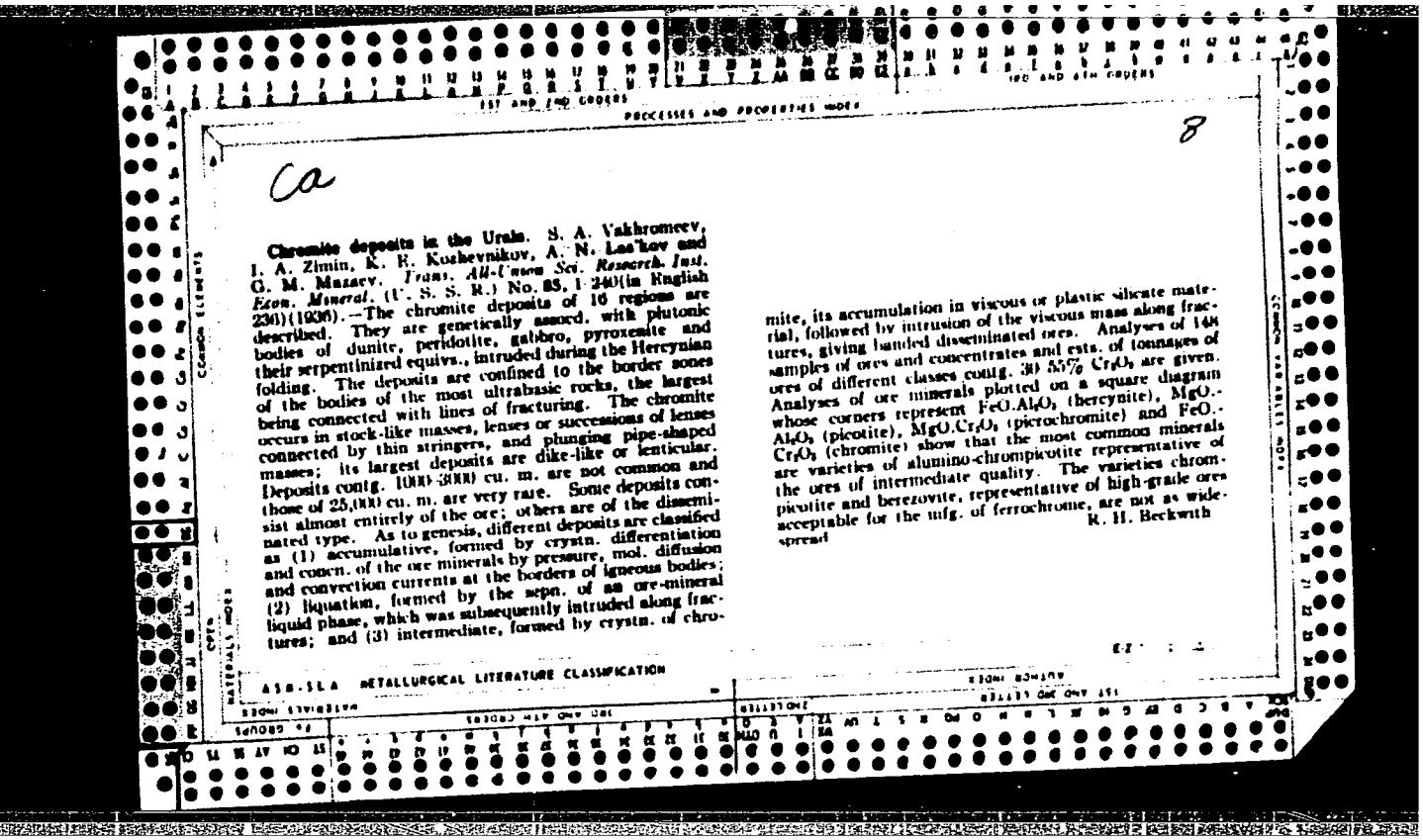
Phlegmon of the small intestine. Med. zhur. Uzb. no.7:79-80 Jl '63. (MIRA 17:2)

TUMANOV, I.M.; VAKHRAMEYEV, S.A., redaktor

[Booklet on safety measures for workers using pneumatic tools] Pamiatka po tekhnike bezopasnosti dlia rabochikh, pol'zuiushchikhsia pnevmaticheskim instrumentom. 2. izd. Moskva, Gos. izd-vo po stroitel'stvu i arkhitekture, 1954. 15 p. (MLRA 7:8)

1. Russia (1923- U.S.S.R.) Ministerstvo stroitel'stva. Otdel tekhniki bezopasnosti i promyshlennoy sanitarii.
(Pneumatic tools--Safety measures)





Ca

8

Chromite deposits in the Urals. S. A. Vakhromeev, I. A. Zimin, K. F. Koshevnikov, A. N. Los'kov and G. M. Mazaev. *Trans. All-Union Sci. Research Inst. Econ. Mineral.* (U. S. S. R.) No. 85, 1-240 (in English 230) (1936).—The chromite deposits of 16 regions are described. They are genetically assocd. with plutonic bodies of dunite, peridotite, gabbro, pyroxenite and their serpentinized equivs., intruded during the Hercynian folding. The deposits are confined to the border zones of the bodies of the most ultrabasic rocks, the largest being connected with lines of fracturing. The chromite occurs in stock-like masses, lenses or successions of lenses connected by thin stringers, and plunging pipe-shaped masses; its largest deposits are dike-like or lenticular. Deposits contg. 1000-3000 cu. m. are not common and those of 25,000 cu. m. are very rare. Some deposits consist almost entirely of the ore; others are of the disseminated type. As to genesis, different deposits are classified as (1) accumulative, formed by crystn. differentiation and concn. of the ore minerals by pressure, mol. diffusion and convection currents at the borders of igneous bodies; (2) liquation, formed by the sepn. of an ore-mineral liquid phase, which was subsequently intruded along fractures; and (3) intermediate, formed by crystn. of chromite, its accumulation in viscous or plastic silicate material, followed by intrusion of the viscous mass along fractures, giving banded disseminated ores. Analyses of 148 samples of ores and concentrates and ests. of tonnages of ores of different classes contg. 30-55% Cr_2O_3 are given. Analyses of ore minerals plotted on a square diagram whose corners represent $FeO.Al_2O_3$ (hercynite), $MgO.Al_2O_3$ (picotite), $MgO.Cr_2O_3$ (picrochromite) and $FeO.Cr_2O_3$ (chromite) show that the most common minerals are varieties of alumino-chrompicotite representative of the ores of intermediate quality. The varieties chrompicotite and berezovite, representative of high-grade ores acceptable for the mfg. of ferrochrome, are not as widespread.

R. H. Beckwith

A 38.51 A METALLURGICAL LITERATURE CLASSIFICATION

PA 52T36

USSR/Geology Oct 1947
Geological Prospecting

"Discovery of Cinnabar in the Ores of the Sibayev Chalcedony Deposits," S. A. Vakhromeev, 1 p

"Zapiski Vsesoyuz Mineralo Obshchest" Series 2, Part LXXVI No 3

Brief record of data obtained by Scientific and Research Party, NIS, Sverdlovsk Mining Institute imeni V. V. Vakhrushev, led by the author to conduct studies of the Sibayev ores. Expedition, authorized by UralTsvetMetRazvedka, took place in 1945-46. Particular attention devoted to location of

FDB 52T36

USSR/Geology (Contd) Oct 1947

new mercury deposits and ores. Describes tests and assays carried out on various ores, including cinnabar. Discovery of cinnabar was first such discovery of this mineral in chalcedony deposits of Urals.

VAKHROMEEV, S. A.

FDB 52T36

VAKHROMEYEV, S. A.

Vakhromeyev, S. A. "The reflectivity of mineral ores and its measurement by means of domestic apparatus," Trudy Gorno-geol. in-ta (Akad. nauk SSSR, Ural'skiy filial), Issue 14, 1948, p. 49-55

SO: U-3050, 16 June 53, (Letopis 'Zhurnal 'nykh Statey, No. 5, 1949).

[illegible], [illegible]. A.

A manual on mineragraphy 2. izd., znachitel'no pere[r]. i dop. Moskva, Gos. izd-vo geol. lit-ry, 1950. 197 p. (51-21089)

1. Mineralogy, Determinative.

VAKHRCHEYEV, S.A.

Result of using structural analysis in the investigation of banded pyrite ores. Trudy Gor.-geol.inst. no.20:150-153 '53. (MLRA 7:5)
(Pyrites) (Mineralogy)

VAKHROMEYEV, S.A.

Vakhromeev, S. A. Erzmikroskopie. Translated from Russian. Berlin: Verlag Technik 1954. 240 pp. DM 24. 18. Reviewed in *Metall u. Erz* 75, 1140(1955).

Translation of Title: Ore Microscopy. Translated from Russian

VAKHROMEYEV, S. A.

"Application of Photometric Ocular of I. S. Volynskiy's Design in Practical Minerograph".
Zap. Vses. Mineralog. o-va, 83, No 3, pp 269-271, 1954

I. S. Volynskiy's ocular was used for determining the reflecting power of ore minerals. The ocular contains a graduated wedge calibrated by the author by photographic method. The order of accuracy is about 5-10% and the instrument is recommended if not too much precision is required. (RZhFiz, No 9, 1955)

SO: Sum No 812, 6 Feb 1956

VAKHROMEYEV, S.A.

Role of depth in the formation of pyrite deposits in the Urals. Zap.Vost.-Sib.otd.Vses.min. ob-va no.1:22-30 '59. (MIRA 14:7)

1. Irkutskiy Gorno-metallurgicheskiy institut.
(Ural Mountains--Pyrites)

MALOLETKOV, Ye.K., inzh.Prinimal uchastiye VAKHROMEYEV, S.A., kand. tekhn. nauk; KLIMOVA, G.D., red. izd-va; MOCHALINA, Z.S., tekhn. red.

[Temporary instructions N 8-61 on operating procedures for cranes and basic earthmoving machines] Vremennye ukazaniia po rezhimam raboty kranov i osnovnykh zemleroinykh mashin N 8-61. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1961. 30 p. (MIRA 15:1)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu. (Cranes, derricks, etc.) (Earthmoving machinery)

VAKHROMEYEV, Sergey Andreyevich; ZAKHAROV, Ye.Ye., red.; VOL'FSON, F.I., red. BEREZOVSKAYA, L.I., red. izd-va; MAKEYEV, V.I., red. izd-va; IVANOVA, A.G., tekhn. red.

[Mineral resources, their classification and formation] Mestorozhdeniia poleznykh iskopaemykh, ikh klassifikatsiia i usloviia obrazovaniia. Pod red. E.E.Zakharova i F.I.Vol'vsona. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po gel. i okhrane nedr, 1961. 462 p. (MIRA 14:7)
(Mines and mineral resources)

VAKHRAMEYEV, S A

SOKOLOV, K.M. YEVSTAFEYEV, S.V.; ROSTOTSKIY, V.K.; STANKOVSKIY, A.P.; VARENIK, Ye.I.; ONUFRIYEV, I.A.; SVESHNIKOV, I.P.; UKHOV, B.S.; BAUMAN, V.A.; BARSOV, I.P.; BASHINSKIY, S.V.; BOYKO, A.G.; VALUTSKIY, I.I.; ZAPOL'SKIY, V.P.; ZOTOV, V.P.; IVANOV, V.A.; KAZARINOV, V.M.; LEVI, S.S.; MALOLETKOV, Ye.K.; MERENKOV, A.S.; MIROPOL'SKAYA, N.K.; OSIPOV, L.G.; PEREL'MAN, L.M.; PETROV, G.D.; PETROV, N.M.; POLYAKOV, V.I.; VATSSLAVSKAYA, L.Ya.; VAKHRAMEYEV, S.A.; VERZHITSKIY, A.M.; VLASOV, P.A.; VOL'FSON, A.V.; VOSHCHININ, A.I.; DZHUNKOVSKIY, N.N.; DOMBROVSKIY, N.G.; YEPIFANOV, S.P.; YEFREMENKO, V.P.; ZELICHENOK, G.G.; ZIMIN, P.A.; POPOVA, N.T.; ROGOVSKIY, L.V.; REBROV, A.S.; SAPRYKIN, V.A.; SOVALOV, I.G.; SOSHIN, A.V.; STARUKHIN, N.M.; SURENYAN, G.S.; TOLORAYA, D.F.; TROITSKIY, Kh.L.; TUSHNYAKOV, M.D.; FROLOV, P.T.; TSIRKUNOV, I.P.

Andrei Vladimirovich Konorov; obituary. Mekh. stroi. 16 no.1:32 Ja '59. (MIRA 12:1)

(Konorov, Andrei Vladimirovich, 1890-1958)

VAKHRAMEYEV, V.A.; KHAPANTSEV, I.V.

OVV-20 grain-cleaning machine. Trakt.i sel'khozmash. 30 no.10: 34-35 O '60. (MIRA 13:9)
(Grain--Cleaning)

VAKHRAMEYEV, V.A.

Conditions of bauxite occurrence in the Kamensk region of the Central Urals. Sov.geol. no.14-15:29-42 '47. (MLRA 8:8)
(Kamensk District--Bauxite)

USSR/Geology Mar/Apr 1948
Bauxite
Coal

"The Development of the Mesozoic Bauxites of the Urals, Kazakhstan, and the Yenisey Ridge," V.A. Vakhrameyev, 14 pp

"Iz Ak Nauk SSSR, Ser Geolog" No 2

Nature of the deposits and character of mesozoic bauxites of the lake-marsh deposits of central and southern Urals, Mugodzhar, northeastern Kazakhstan, and the Yenisey Ridge show that there is no connection between these deposits and the Jurassic coal-bearing layers. Discovery of leaf and fungus traces in [redacted] 67T45

USSR/Geology (Cont'd) Mar/Apr 1948

bauxite layers lead to the theory that the bauxite formation process occurred during the Lower Melovian epoch.

67T45

VAKHRAMEYEV, V. A. [redacted]

VAKHRAMEYEV, V. A.

62/49T33

USSR/Geology Jul/Aug 49
Stratification, Continental

"Continental and Salt-Water Deposits of the Oligocene of the North Aral and North Chink-Ustyurta (Ust-Urt)," V. A. Vakhrameyev, 29 pp

"Iz Ak Nauk SSSR, Ser Geol" No 4

Continental Tertiary deposits of the North Aral, widely known as "Turgay Strata" or "Aquitanian," are separated by the author into four strata, of which the first, second and fourth are built up by continental deposits, and the third by salt-water sedimentation and deposits. Limits and extent of these formations are indicated, and

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USSR/Geology (Contd) Jul/Aug 49

composition and condition of the stratifications are characterized. Discusses relationship between underlying (basement) and overlying marine deposits, classifying them as a fauna type. Establishes that the age of the continental thickness is related to the Middle and Upper Oligocene period without outcropping beyond the Paleocene. Toward the west, along the Northern Chink-Ustyurta, continental deposits are gradually replaced by marine formations like the Maykop deposits of the Caucasus.

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VAKHRAMEYEV, V. A.

VAKHRAMEYEV, V. A. - "Stratigraphy and Fossil Flora of Continental Cretaceous Deposits in Western Kazakhstan." Sub 29 Feb 52, Inst of Geological Sciences, Acad Sci USSR. (Dissertation for the Degree of Doctor in Geological and Mineralogical Sciences).

SO: Vechernaya Moskva January-December 1952

VAKHRAMEYEV, V.A.; NALIVKIN, D.V. [redaktor].

[Regional stratigraphy of the U.S.S.R. Volume 1. Stratigraphy and fossil flora of the chalk deposits of western Kazakhstan] Regional'naia stratigrafiia SSSR. Glav.redaktor D.V.Nalivkin. Moskva, Izd-vo Akademii nauk SSSR, 1952- v.1, 1952. 340 p. (MLRA 6:7)

1. Akademiya nauk SSSR. Institut geologicheskikh nauk.
(Kazakhstan--Paleobotany) (Paleobotany--Kazakhstan)
(Kazakhstan--Geology, Stratigraphic) (Geology, Stratigraphic--Kazakhstan)

VAKHROMEYEV, V.; KHAPANTSEV, I.

The OVV-20 self-propelled grain-cleaning machine. Biul.tekh.-ekon. inform. no.9:53-54 '60. (MIRA 13:10)
(Grain--Cleaning)

VAKHRAMEYEV, V. A., PUSHCHAROVSKIY, YU.M.

Yakutia - Geology, Structural

New data on the tectonics of the Vilyuisk Depression and the Verkhoyansk marginal depression. Dok. AN SSSR 84 No. 2, 1952. rcd. 20 Feb. 1952

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

VAKHRAMEYEV, V.A.

State of Soviet paleobotany. Izv.AN SSSR Ser.biol.no.4:123-136 Jl-Ag '53. (MLRA 6:7)

1. Institut geologicheskikh nauk Akademii nauk SSR. (Paleobotany)

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

Name	Title of Work	Nominated by
Vakhrameyev, V.A.	"Stratigraphy and Fossil Flora of the Cretaceous Deposits of Western Kazakhstan" Regional Stratigraphy of the USSR (Vol I)	Institute of Geological Sciences Academy of Sciences USSR

SO: W-30604, 7 July 1954

VAKHRAMEYEV, V.A.

Beginning of paleogeographical studies in Russia. Och.po ist. geol.znan. no.4:104-123 '55. (MLRA 9:5)
(Paleogeography--History)