isi in dispersion and and as the same in t	IVANKINA, T.			
	Legal regulation of 23 m.3:20-21 Mr 163		(13.13.13.14.14.14.14.14.14.14.14.14.14.14.14.14.	
	1. Pravovoy inspek	tor Leningradskogo oblastnogo sovet	ta professional	
	nykh soyuzov.	(Merchant marine-Watch duty)		
	•			~ *
				•
		·		
į.			•	
		•		;
				•
				÷

L 46248-66 EWT(m)/EWP(w)/T/EWP(t)/ETI IJP(c) τn ACC NR: AP6023913 SOURCE CODE: UR/0363/66/002/007/1194/1199 AUTHOR: Samsonov, G. V.; Bazhenova, L. N.; Ivan'ko, A. A. ප ORG: Institute of Materials Science Problems, Academy of Sciences, UkrSSR (Institut problem materialovedeniya Akademii nauk UkrSSR) TITIE: On the correlation of certain physical properties of type AIIIBV and AIIBVI semiconductors SOURCE: AN SSSR. Izv. Neorg materialy, v. 2, no. 7, 1966, 1194-1199 TOPIC TAGS: forbidden zone width, semiconductor crystal, electron structure ABSTRACT: A correlation observed earlier between the forbidden gap width and the hardness of semiconductor compounds of types AIIIBV and AIBVI and also their melting points was confirmed. It is shown that when these compounds are formed, a redistribution of electrons among the components takes place with the formation of energetically stable sp3 and s2p6 configurations; the prevalence of sp3 configurations leads to the formation of a sphalerite-type structure, and the prevalence of s^2p^6 , to a wurtzite-type structure. This is reflected to some extent in the physical properties of the semiconductors, owing to the great energetic stability of the s^2p^6 configurations as compared to sp^3 . As the principal quantum number of sp electrons increases, the energetic getic stability of the corresponding configurations declines; there is a corresponding increase in the fraction of collective and weakly bonded electrons, causing a decrease

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619010011-2

UDC:

Card 1/2

537.311.33

ACC NR: AP6036790 (N) SOURCE CODE: UR/0363/66/

SOURCE CODE: UR/0363/66/002/011/1991/1997

AUTHOR: Bazhenova, L. N.; Ivan'ko, A. A.; Samsonov, G. V.; Slyshankova, V. A.

ORG: Kiev Polytechnic Institute (Kiyevskiy politekhnicheskiy institut)

TITLE: Microhardness of some oxides

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 2, no. 11, 1966, 1991-1997

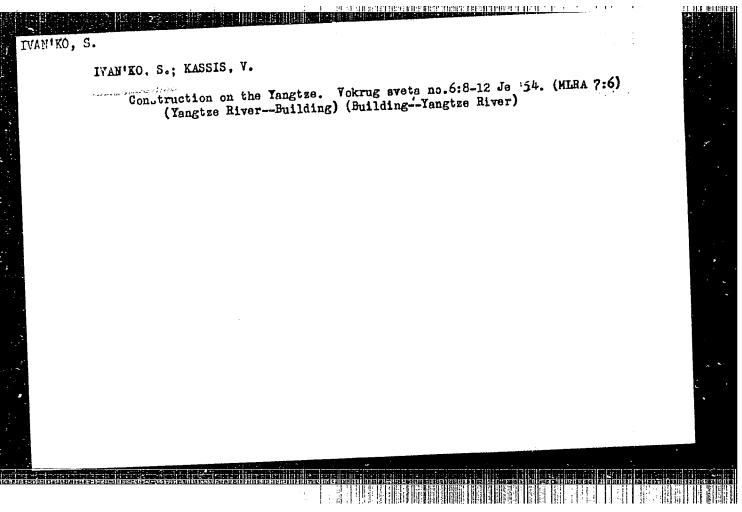
TOPIC TAGS: oxide microhardness, aluminum oxide, beryllium oxide, magnesium oxide, calcium oxide, titanium oxide, zirconium dioxide, hafnium dioxide, niobium pentoxide, chromic oxide, HARDNESS, STRESS CONCENTRATION

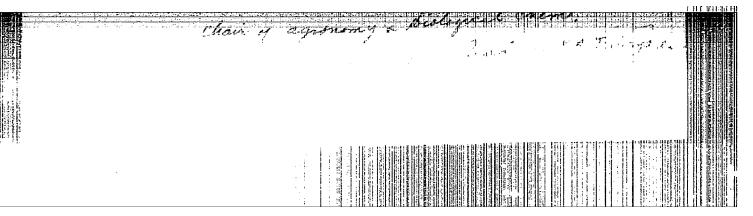
ABSTRACT: The microhardness of a series of oxides has been tested with various indenter loads (30—200 g) applied for various lengths of time. It was found that the microhardness of oxides decreases with increased load and increased test duration. The average microhardness (kg/mm²) was as follows: Al_2O_3 —2540; MgO—1015; CaO—615; The average microhardness (kg/mm²) was as follows: Al_2O_3 —2970. It is believed that the TiO_2 —1085; ZrO_2 —1230; HfO_2 —925; Nb_2O_5 —740; Cr_2O_3 —2970. It is believed that the hardness of the oxides depends on the probability of metal and oxygen atoms forming hardness of the oxides depends on the probability of stable configurations formed by one stable electron configurations. As the number of stable configurations formed by one or both of the components drops, the number of free electrons increases and the hardness also drops. Orig. art. has: 3 figures and 2 tables.

SUB CODE: 11/ SUBM DATE: 21Jul65/ ORIG REF: 007/ OTH REF: 001/ Cord 1/1

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619010011-2"





WANKOISH

AUTHORS:

Pleshkov, B. P., Ivanko, Sh., and Antonova, G.V., 20-6-42/47

TITLE:

The Influence Exerted by Conditions of Nutrition Upon the Content of Free Amino Acids in <u>Phaseolus</u> Leaves (Vliyaniye usloviy pitaniya na soderzhaniye svobodnykh aminokislot v list'yakh fasoli)

PERIODICAL:

Doklady AN SSSR, 1957, Vol. 117, Nr 6, pp. 1070-1073 (USSR)

ABSTRACT:

The conditions of the mineral nutrition may by modification of the intensity and the direction of metabolism of plants essentially influence the content of free amino acids in the individual organs. A lack of individual elements reduces the intensity of the protein synthesis and leads to the accumulation of free amino acids in the plant. This was noticed in the case of lack of sulphur, calcium, magnesium, boron, potassium, zinc, copper, manganese and iron although the nitrogen nutrition was the best and chlorine was abundently present. A deficiency of molybdenum reduces the content of free amino acids in the plant (reference 1-11). The authors studied this problem in the cultivation of beans on different levels of nitrogen, phosphorus and potassium. First the method is described. The third, forth and fifth leaf of the beans of the sort "Triumf lushchil'nyy" were analyzed and the quantitative determination of the amino acids chromatographically performed on paper. Methionine + valine were calculated according to valine, leucine+

Card 1/4

• The Influence Exerted by Conditions of Nutrition Upon the Con- 20-6-42/47 tent of Free Amino Acids in Phisoelus Leaves.

+ isoleucine according to leucine. From the results follows that in the case of nitrogen deficiency (variant PK) the content of amino nitrogen is about 1,5 times less than in the variant NPK. In phosphorus and potassium deficiencies (variant NK and NP) the content of amino nitrogen is more or less increased. Cystine, lysine, histidine, asparagine, arginine, glutamine, aspartic acid, serine, glycine, glutamic acid, treonine, α-alanine, B-alanine, preline, tyrosine, tryptophane, valine, methionine, phenylalanine, leucine, isoleucine and 2 non-identified amino acids were chromatigraphically determined in the bean leaves. Figure 1 shows the photograph of chromatograms of the leaf-extracts of the 2 extreme variants NP and PK which differ most widely in their content of amino acids. The results of a quantitytive determination of these acids are given in table 1. In the case of normal nutrition (variant NPK) the following were found: arginine, aspartic acid, serinc, glycine, glutamic acid, a-alanine, tryptophane and valine. The content of the other above-mentioned amino acidswas very small. In deficiencies of phosphorus and especially of potassium, when the protein synthesis in the leaves was very much inhibited, the content of free amino acids markedly increased. The content of

Card 2/4

The Influence Exerted by Conditions of Nutrition Upon the Con- 20-6-42/47 tent of Free Amino Acids in Phaseolus Leaves.

argine, aspartic acid, serine, and glycinespecially strongly increased. In the case of nitrogen deficiency (variant PK), when all nitrogen reserves in the plant are put into the protein synthese, the content of free amino acids almost sank by the 1,5 fold. Arginine, aspartic acid, serine, glycine, glutamic acid, aand B-alanine, valine and phenylalanine especially strongly decreased. These amino acids apparently are capable of giving off their nitrogen by deamination and reamination above all to the synthesis of other amino acids which are necessary for the formation of protein molecules. Tyrosine and treonine increase in the case of nitrogen deficiency, which fact could not yet be explained. The content of arginine in the leaves is most affected by the variation of the conditions of nutrition. In nitrogen deficiencies it decreases 6-fold, but in potassium deficiencies it increases 2,5 fold. The major part of arginine decomposes in the case of nitrogen starvation and its nitroger is, as above-indicated, used in the protein synthesis. The decomposition of arginine may also prodeed over the ornithine-cycle under formation of urea. Under the action of urease, urea forms ammonia which is used for the synthesis of new acids. There are 1 figure, 1 table, and 12 references, 6 of which are Slavic.

Card 3/4

क्रिकेट महाभागा है के इंग्लिक विश्व के किए हैं है है कि किए है जिसके के महिल्ला है कि किए किए हैं कि किए किए के

The Influence Exerted by Conditions of Nutrition Upon the Con- 20-6-42/47, tent of Free Amino Acids in Phaseolus Leaves.

ASSOCIATION:

Moscow Agricultural Academy imeni K.A. Timir/azev (Moskovskaya

sel'skokhozyaystvennaya akademiya im. K.A. Timiryazev)

PRESENTED: July 17, 1957, by A.I. Oparin, Academician

SUBMITTED: July 15, 1957

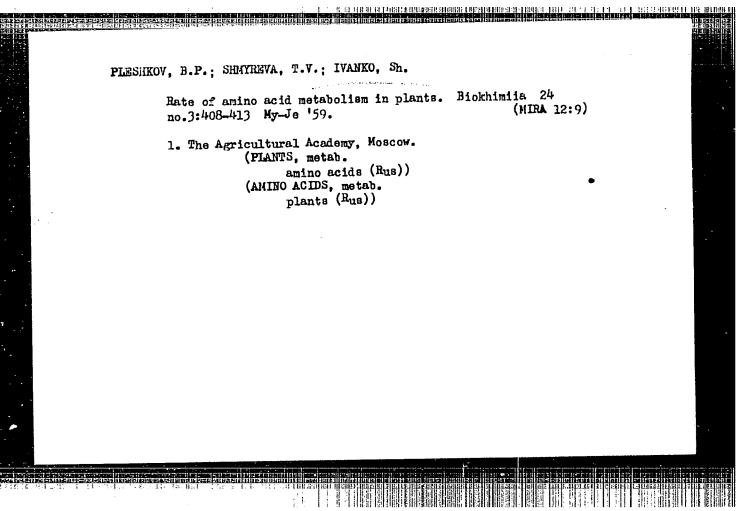
AVAILABLE: Library of Congress

Card 4/4

PLESHKOV. B.P.; SHATREVA. T.V.; IVANKO, Sh.

Variation of free amino acid concentration in corn leaves and roots under different conditions of nutrition. Fiziol.reat. 6 (MIRA 13:4) no.6:668-678 H.D '59.

1. Department of Agricultural and Biological Chemistry, K.A.
Timiriazev Agricultural Academy, Moscow.
(Amino acids) (Corn (Maize)) (Plants-Hutrition)



IVANKO, Stefan; MICHALIK, Ivan; Chair of Radiobiology and Biochemistry, College of Agriculture, Nitra. Toriginal version not given_J.

"The Uptake and Transformation of Phosphorus by the Roots of Corn as a Function of Preceding Nutrient Availability."

Bratislava, Biologia, Vol 21, No 5, 1966, pp 339 - 351

Abstract: Phosphorus tagged with P32 was introduced into corn roots; it was found that after 10 minutes it was present in all the phosphorylated intermediate products of glycolysis and in the nucleotides. When the plants lacked phosphorus before the experimental addition of it, P uptake is shown within 5 seconds after the plant was exposed to its presence; P is present in the form of high molecular weight compounds which are precipitated by trichloroacetic acid. The amount present in these high molecular weight compounds is proportionate to the total P uptake, 10 Figures, 1 Table, 18 Western, 1 Czech, 3 Russian references. (Manuscript received 16 Sep 65). Article is in German.

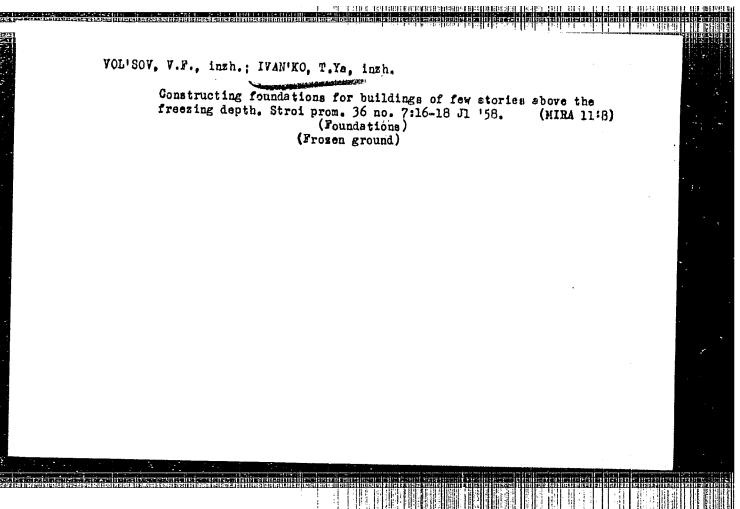
1/1

- 196 -

GONCHUKOV, V.S.; IVAN'KO, T.VA.; KRASHYANSKIY, I.I.; IARIN, L.A.; MAKHON'KO, A.S.; RAKITO, B.I.; SAVEL'YEV, V.A.; SELIVON, V.A.; KHOKHORIN, A.I.; ZELEVICH, P.M., inzhener, redaktor; VERINA, G.P., tekhnicheskiy

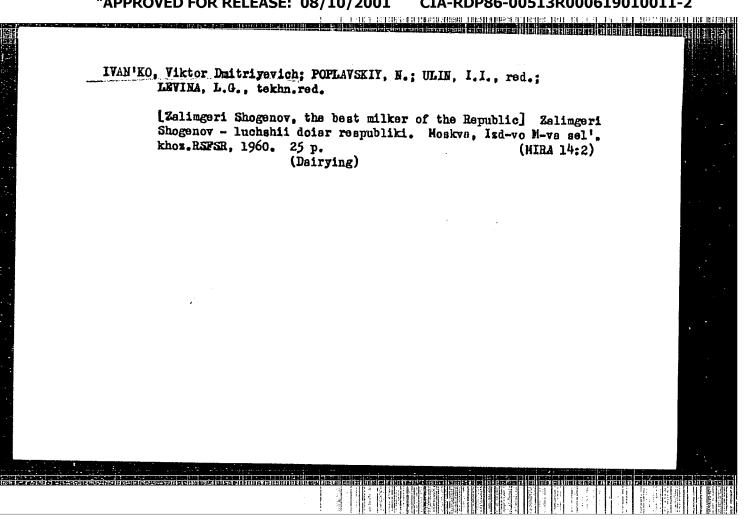
[Manual for builders of narrow-gauge railroads] Spravochnik stroitelia uzkokoleinykh zheleznykh dorog. Moskva, Gos. transp.zhel-dor. izd-vo, 1956. 438 p.

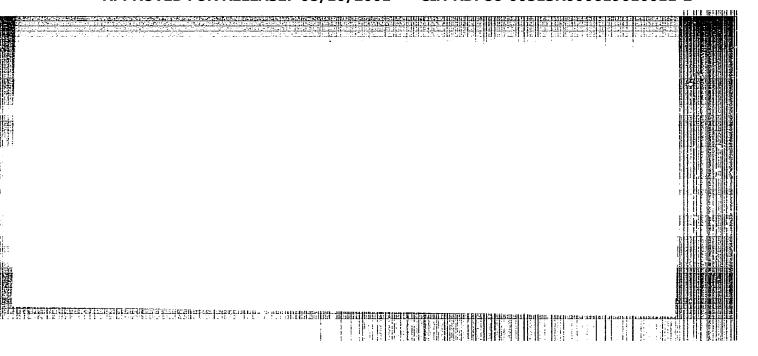
(Railroads, Narrow-gauge) (MIRA 10:1)



ONUFRIYEV, Timofey Grigor'yevich, dots.; SHATNEV, Boris Nikolayevich, dots.; IVAN'KO, Timofey Yakovlevich, inzh.; GERGL'SKAYA, Lyudmila Sergeyevna, dots.; SARYCHEVA, Nina Petrovna, dots.; KOSTYAYEV, Sergey Petrovich, inzh.[deceased]; YEGOROV, L.P., dots., retsenzent; ZAYCHENKO, I.R., dots., retsenzent; EYALYNITSKIY, V.A., inzh., retsenzent; CHERKASHIN, N.A., inzh., retsenzent; DYNER, I.I., inzh., retsenzent; PAUL', V.P., inzh., red.; NEKLEPAYEVA, Z.A., inzh., red.; MEDVEDEVA, M.A., tekhn. red.

[Buildings in railroad transportation] Zdaniia na zheleznodorozhnom transporte. Moskva, Transzheldorizdat, 1962. 408 p. (MIRA 15:6) (Railroads-Buildings and structures)





PHASE 1 BOOK SPLOITATION

520

Ivan'ko, Vladimir Fedotovich

- Pul'tovshchik dugovoy staleplavil'noy pechi (The Control-ponel Operator of Electric-arc Steel Furnaces) Moscow, Metallurgizdat, 1957. 155 p. 3,000 copies printed.
- Ed.: Mikhaylov, O.A.; Ed. of Publishing House: Yablonskaya; Tech. Ed.: Islent'yeva, P.G.
- PURPOSE: This is a manual of instruction for operators of the control panels of electric-arc steel-melting furnaces. It may also be useful to steel melters, as well as electricians and attendants servicing the furnaces.
- COVERAGE: The author describes the structure of the electricare steel-melting furnace, outlines the technology of melting electric steel, gives information on the properties of metals and presents the principles of electrical technology in such detail as is necessary for the proper care of furnace equipment and for control

Card 1/5

armir esamentalistika in esamen esa esa esa esa		
The Control-panel Operator (Cont.) 523	j J	
of the electrical conditions of melting. Other topics distinctude ways of improving the power factor of the arc furn economy of electric power in steel melting. In addition, per methods of operating control panels, based on experience, described, and safety rules are given. There are 17 refer all Soviet.	wee and Practical	
TABLE OF CONTENTS:		
Prerace	5	
Ch. I. Properties of Metals. Extraction of Metals	7	
Ch. II. Structure of the Electric-arc Steel-melting Furnace	10	
1. Classification and types of arc furnaces	10	
2. Mechanical construction of the furnace	12	
3. Furnace lining	18	
4. Electrodes	19	
Card 2/5		
		(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)

2000年2012年2012年2012年2012年2013年2013年2013日12日11日11日11日11日11日11日11日11日11日1日1日1日1	मान्त्रस्य वर्गम् । त्रायमान् । विद्या	#3011231145G1K207478[[#3
The Control-panel Operator (Cont.) 582		
Ch. III. Technological Process of Melting Electric Steel	21	
1. Materials used for melting electric steel	21	
2. Melting periods and their characteristics in brief	22	
3. Melting steel with the use of oxygen	26	
Ch. IV. Principles of Electrical Engineering and Electrical Technology 1. Nature of electricity. Conductors and nonconductors 2. Direct-current electric circuits 3. Electrical field 4. Electromagnetic phenomena 5. Alternating current 6. Alternating-current circuits	27 27 27 35 37 46	
Card 3/5		

7. Three-phase current 8. Electrical measurements and measuring instruments 9. Basic facts about insulating materials 10. Electric generators, motors and transformers h. V. Electrical Equipment of Arc Furnaces for Steel Melting 1. Power supply for the furnace substations	り ⁹ 62 65 67	
9. Basic facts about insulating materials 10. Electric generators, motors and transformers 10. V. Electrical Equipment of Arc Furnaces for Steel Melting	65 67	
. C. Electric generators, motors and transformers 1. V. Electrical Equipment of Arc Furnaces for Steel Melting	67	
. V. Electrical Equipment of Arc Furnaces for Steel Melting	•	
1. Power supply for the furnace substations	82	
	82	
2. High-voltage equipment and distributing devices	84	
3. The electric arc	89	
h. Furnace transformers and choice	92	
. Instrument transformers	97	
Short net	90	
7. "Dead" and "wild" phases in the electric furnace	103	:
Automatic regulations of our comments	107	
9. Electric-lumace control nonel	117	
rd 4/5	,	
, -		

The Control-panel Operator (C	Jont.)	522	
Ch. VI. Operating Conditions	of Arc Furnaces	121	
Ch. VII. Conducting the Melti Conditions	ng Process. Optimum Ele	etrical 127	
1. Energy balance of the e	electric steel-melting fu	rnace 127	
2. Optimum electrical cond	=	128	
Conducting the melting operating the control p	process. Modern methods	of 131	
4. Melting-space of the fu	ırnace	135	
5. Economy of electric pow factor	ver and improvement of th	e power 136	
6. Faulty operation and me	ans of correcting it	138	
Ch. VIII. Safety Measures in furnace Equipment	the Operation of Electr	142	
Bibliography		146	
Appendices		147	
AVAILABLE: Library of Congre Card 5/5	GO/ad 8-21-58		

K KELEASE: UO/IU/2001 SOKOLOV, A.H., kand. tekhn. nauk, dots.; MORGULEV, S.A., inzh.; IVAN*KO, V.F. inzh. "Most satisfactory operating conditions of steel smelting electric arc furnaces" by IU. E. Efroimovich. Reviewed by A. N. Sokolov, S.A. Morgulev, V.F. Ivan'ko. Stal' 18 no. 6:529-531 Je '58. (MIRA 11:7) 1. TSentral'nyy nauchno-isaledovatel'skiy institut chernoy metallurgii i "Dneprospetsatal". (Electric furmices) (Efroimovich, IU, E.)

SOV/133-59-1-10/23

AUTHORS:

Gladkiy, D.F., Ivan'ko, V.F. and Kurganov, V.V.,

Engineers

TITLE:

Experience in the Operation of an Electric Furnace of the

DSV-30 Type With a High Secondary Voltage (Opyt

ekspluatatsii elektropechi DSV-30 s vysokimi vtorichnymi

napryazheniyami)

PERIODICAL:

Stal', 1959; Nr 1, pp 45 - 48 (USSR)

ABSTRACT:

Experiments on the determination of most suitable

secondary voltages for furnace transformers are described.

A DSV-30 furnace was used (charge 50 tons, yield of

metal 46 tons). For this purpose, the furnace was fitted with two identical transformers - PDRO 10001/30 of 900 kW each with the primary voltage of 30 000 V and 26 steps in the secondary voltage from 86 to 270 V. Series

connection of the low-voltage windings of both transformers enabled doubling the secondary voltage during the melting period. For obtaining low-voltage steps (which are necessary for refining) a circuit was used which allows series connection of the primary windings of both transformers (Figure 1, p 45). The comparison of the furnace performance with one and two transformers is

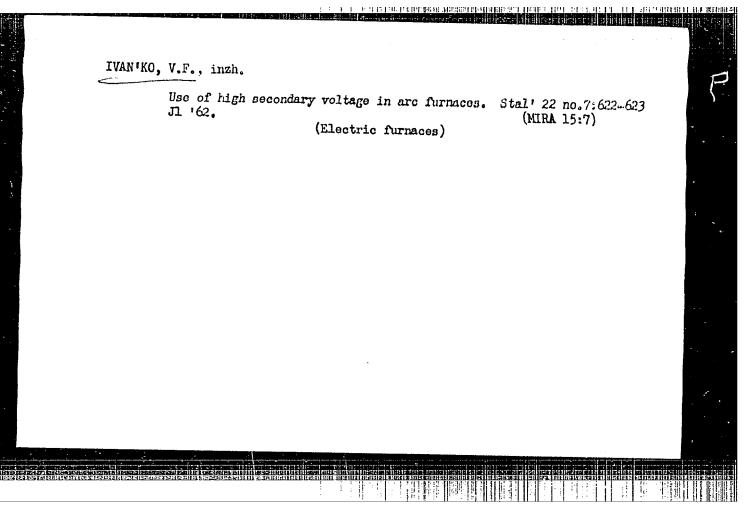
Card1/2

shown in Tables 1 and 2. Operation with a secondary

Experience in the Operation of an Electric Furnace of the DSV-30 Type with a High Secondary Voltage

voltage of 420 V (instead of 282 V) brought about a decrease in the melting period by 34 minutes. The increase in the power supplied and the simultaneous decrease in thermal and electric losses of the furnace (due to a decrease in the duration of melting period) resulted in a decrease in specific power consumption by 19 kWh/ton. Operation with two interconnected transformers brought about some improvement in the power factor during the melting period and also some reduction of the power factor during the boiling and refining periods due to an increase of the reactivity of the furnace circuit caused by the second transformer. Operation at 420 V did not result in any material change in the durability of the wall linings and the chromemagnesite roofs nor in the metal quality. It is concluded that, during the melting period, 40-ton electric furnaces can be operated with a secondary voltage of 420 V with good results. Use of still higher voltages will be tested. There are 3 figures, 2 tables and 5 Soviet references.

Card2/2



KAPTELKIN, N.I.; SEMEYKO, P.A.; IVANKOV, A.A.

The best in the profession. Put' i put.khoz. 6 no.6:11, 17, 18, 23, 30 '62.

(MIRA 15:7)

1. Nachal'nik Slavyanskoy distantsii puti Donetskoy dorogi (for Kaptelkin).

(Railroads—Employees)

IVANROY, A.C.

112-1-60 D

Translation from: Referativnyy Zhurnal, Elektrotekhnika, 1957, Nr 1, p. 6 (USSR)

AUTHOR:

Ivankov, A. G.

TITLE:

Development of the Teaching of Self-Induced Oscillations at Moscow University (Razvitiye ucheniya ob avtokolebaniyakh v Moskovskom

universitete)

ABSTRACT:

Bibliographic entry on the author's dissertation for the degree of Candidate of Physical and Mathematical Sciences, presented to the Institute of the History of Natural Sciences and Engineering, USSR Academy of Sciences, (In-t istorii yestestvozn. i tekhn. AN SSSR)

Moscow, 1956.

ASSOCIATION: Institute of the History of Natural Sciences and Engineering, USSR Academy of Sciences, (In-t istorii yestestvozn. i tekhn.

AN SSSR, Moscow)

Card 1/1

SHABALIN, A.A.; CANZHA, V.Ya., inzh.; NIKOL'SKIY, V.A. [deceased];
LAPINSKIY, L.G., inzh.; IVANKOV, A.G., SEOL'YAKOV, R.T.;
TUHYAMSKIY, G.M.; SENIDT, N.Z.; GREBTSOV, P.P., red.;
MAKHOVA, N.N., tekhn. red.;
[Handbook for the state farm construction worker]Spravochnik sovkhoznogo stroitelia. Moskva, Sel'khoziata, 1962.
598 p. (MIRA 15:9)
(State farms) (Construction industry)

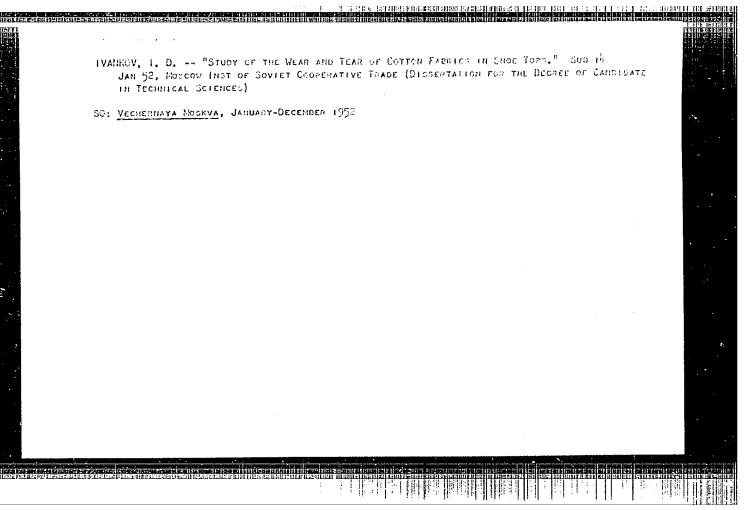
<u>і цийй>-00</u> FSS-2/EWT(1) ACC NR: AR6023286 SOURCE CODE: UR/0058/66/000/003/H015/H015 AUTHOR: Ivankov, A. G. 70 13 ORG: none TITLE: Setting up dispersion in a resonance system SOURCE: Ref. zh. Fizika, Abs. 3Zh109 REF SOURCE: Tr. Nauchn. ob"yedin. fiz-matem. fak. ped. in-tov Dal' n. Vost., v. 4, 1964, 3-10 TOPIC TAGS: noise jamming, electric filter, periodic pulse, magnetic resonance ABSTRACT: Noise-jamming properties of an oscillating circuit in a nonstationary (transitional) mode are theoretically analyzed. It was established that the circuit is more or less an optimum filter of radio pulses at ht <1, where h is the index of circuit attenuation and t is the time of effect of signal and noise. A. Uspenskiy. [Translation of abstract] [NT] SUB CODE: 20/ Card 1/1 1/2

IVANKOV, A.G.; OPOCHINSKIY, G.L.

New trends in planning enterprises in the dairy industry. Biul. tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch.i tekh.inform. 16 no.8:51-54 '63. (MIRA 16:10)

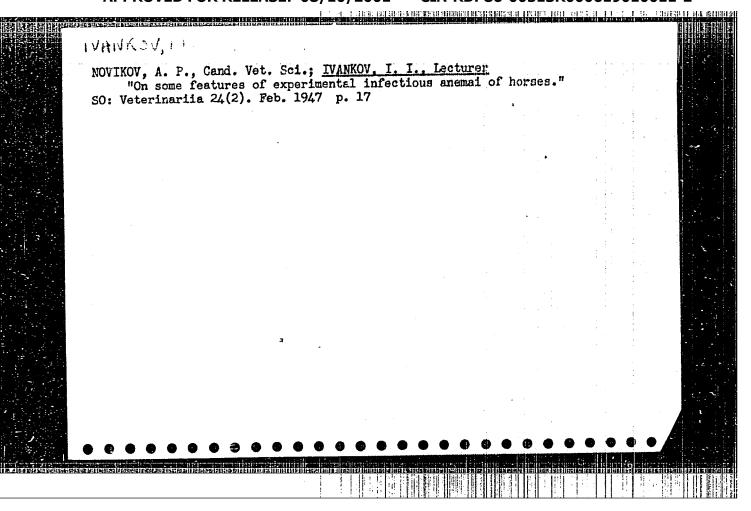
。1997年1997年1997年1997年1997年1917年1917年1917	Maria i i i i i i i i i i i i i i i i i i	
L 16095-66 EWT(1)/EWT(m)/EWA(d)/EWP(t) IJP(c) JP		
ACC NR: AP5022809 SOURCE CODE: UR/O141/65/CO8/O04/O831/C	833	
AUTHOR: Prokopovich, M. R.; Ivankov, A. G.		
THE REPORT OF THE PROPERTY OF		
ORG: Khabarov Fedagogical Institute (Khabarovskii pedagogicheskii institut)		
TITLE: Statistical characteristics of noise produced by remagnetization of ferromagnets		
SOURCE: IVUZ. Radiofizika, v. 8, no. 4, 1965, 831-833		
TOPIC TAGS: remagnetization, radio noise, magnet, statistic analysis		
ABSTRACT: In the past the statistical characteristics of noise produced by remagnetization of ferromagnets (Barkhausen's jumps) were studied under a		
were averaged yielding in turn large errors in maggingments. User the		
study the one-dimensional probability density of Barkhausen's jumps (i.e., the time derivative of magnetization jumps) by way of investigating the statistic		
Card 1/2 UDG: 538,56:519,25,538.2		
		The second secon

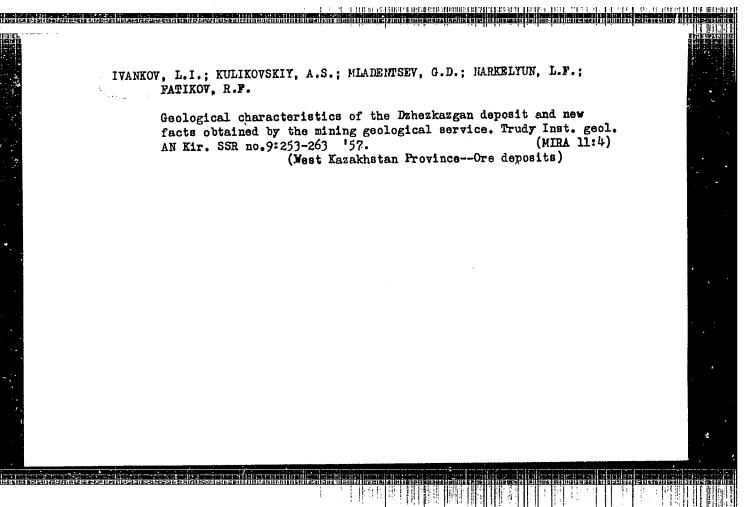
g from Zation		_	-		
milton					7-1-1
milton	-im -Av		13		
milton		വഹി	110	D.	
	rin Lie	Literati			
orti Orti	ation	onar • ar	rt.	•	
(00)	003.	15.			
, ij. Tai	lar-		17		
	1				
				3 4 7	
•	()	enti Orig	tutiona Orig. a	tationary Orig. art	ion was a limitionary Orig. art.



GURFINKEL', 1.Ye.[deceased]; BOYKO, D.Ya.; IVANKOV, I.D.;
ALEKSEYEV, N.S.; KUTYANIN, G.I., prof., doktor tekhn.
nauk, spets. red.; NIKOLAYEVA, N.G., red.

[Technical guide to glass, ceramics, furniture, and building materials] Tovarovedenie silikatnykh, mebel'nykh i stroitel'nykh tovarov. Moskva, Ekonomika, 1964. 376 p. (MIRA 17:9)





SOV-127-58-10-2/29

AUTHORS: Brezgulevskiy, I.V. and Yalymov, N.G., Mining Engineers and

Ivankov, L.I., Engineer-Geologist

TITLE: On the Mining of the Dzhezkazgan Deposits Without Leaving

a Protective Ore Crust (O razrabotke Dzhezkazganskogo

mestorozhdeniya bez ostavleniya rudnoy korki)

PERIODICAL: Gornyy zhurnal, 1958, Nr 10, pp 8-11 (USSR)

ABSTRACT: Experimental works conducted jointly by the Unipromed; and

the Administration of the Dzhezkazgan Mines showed that the introduction of a compulsory caving-in system gave much better results than those achieved by the old room-pillar system. According to the old system it was considered necessary to leave a protective ore crust, 1 or 2 m thick, in places where red sandstone directly overlies the ore body. This crust was not extracted, so that the losses in ore left in such crusts represented 50% of general ore losses. It was calculated that over 1,000,000 tons were lost in this way. Moreover, 1,5-3 m thick layers were not exploited at all. These experiments also showed that the protective ore crust did not improve the safety of mining operations. When the red sand-

stone was exposed, its first layer fell, but the next layer Card 1/2 held fast and the whole massif remained solid for 6-7 months.

On the Mining of the Dzhezkazgan Ore Crust

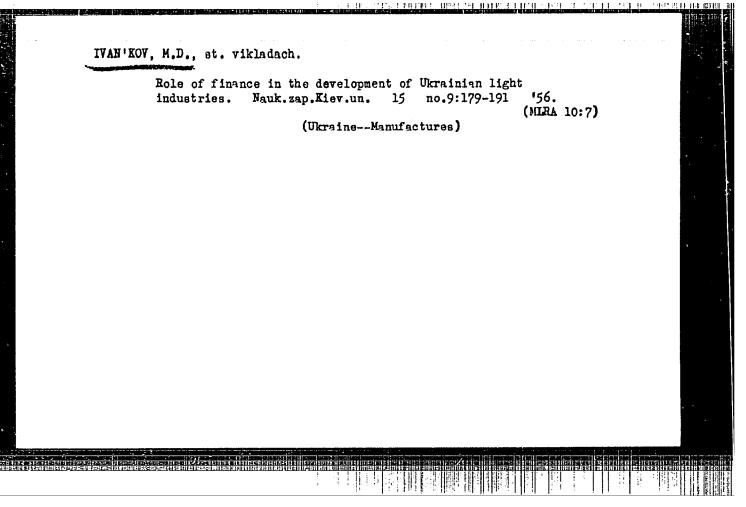
SOV-127-58-10-2/29 Deposits Without Leaving a Protective

Thus ore layers $l_{\phi}5$ to $6_{\phi}5$ m thick could be exploited without leaving the ore crust if the ceiling was regularly inspected after each shift. The reinforcement of such ceilings by beams 2,5 m long at 1 m interval permitted exploitation of ore layers of any importance with the least loss of ore. There are 5 diagrams, 1 photo and 1 table.

ASSOCIATION: Unipromed. Shakhta Nr 45 Dzhezkazganskogo rudoupravleniya (Mine Nr 45 of the Dzhezkazgan Mining Administration)

> 1. Mining industry--USSR 2. Ores--Production 3. Mining engineering -- USSR 4. Underground structures--Design

Card 2/2



CHUISTOV, V.M., kand. ekon. nauk; CHERNENKO, M.S.; KRASNOKUTSKAYA,
O.I.[Krasnokuts'ka, O.I.]; DROSOVSKAYA, L.I.[Drosovs'ka, L.I.];
MOKIYENKO, B.F.; DARAGAN, M.V.[Darahan, M.V.]; OGANYAN, G.A.
[Ohanian, H.A.]; TERESHCHENKO, I.P.; KRUGLIKOV, B.I.[Kruhlikov,
B.I.]; KOROID, O.S., otv. red.; IVAN'KOV, M.D., red.;
KADASHEVICH, O.O.[Kadashevych, A.A.], tekhn. red.

[Socialist reproduction of the means of production]Sotsialistychne vidtvorennia. Kyiv, Vyd-vo Akad. nauk URSR, 1962. 298 p. (MIRA 15:12)

1. Akademiya nauk URSR, Kiev. Instytut ekonomiky. 2. Chlen-korrespondent Akademii nauk Ukr. SSR (for Koroid). 3. Institut ekonomiki Akademii nauk Ukr. SSR (for all except Koroid, Ivan'kov, Kadashevich).

(Economics)

IVABBOV, H. F.

Ivankov, M. F. - "Some Laws of the Ovulation, Fertilization, First Stages of Embryonic Development, and the Qualities of the Offspring of Cows, Depending on the Times and Methods of Mating." Min Higher Education USSA. Leningrad Agricultural Inst. Leningrad, 1956 (Dissertation for the Degree of Candidate in Agricultural Sciences).

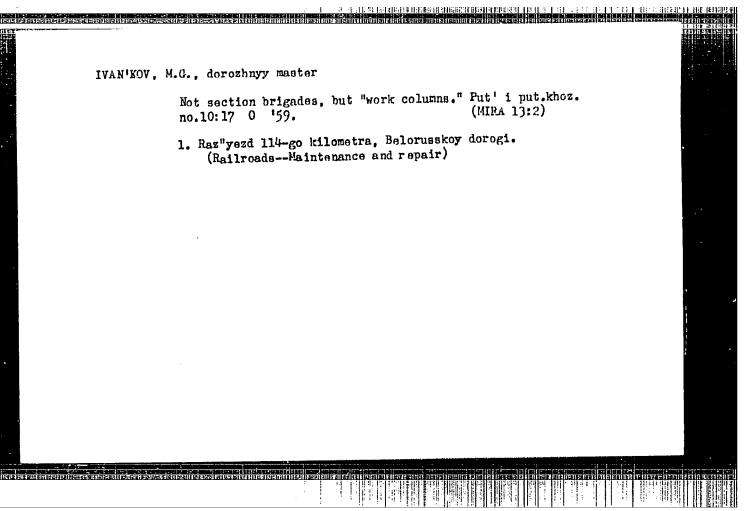
So: Knizhnaya Letopis', No. 10, 1956, pp 116-127

PITKYANEN, I.G., IVANKOV, M.F.

Fertilization and the first phases of development of the embryo in cows. Izv.AN SSR.Ser.biol. no.3:77-86 My-Je '56. (MLRA 9:8)

1. Nauchno-issledovatel'skaya laboratoriya razvedeniya sel'skokho-zyaystvennykh zhivotnykh g. Pushkin.

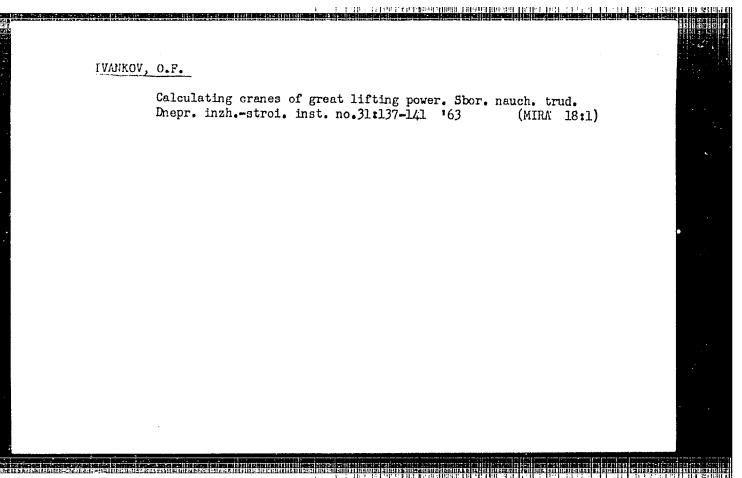
(FERTILIZATION (BIOLOGY)) (EMBRYOLOGY--MARKALS) (COWS)



IVANKOV, N.I.; BALABANOV, P.V.

Work practice in organizing socialist competition to greet the 22d Congress of the CPSU in the proper way. Razved. i okh. nedr 27 no.9:55-56 S 161. (MIRA 17:2)

l. Shakhtinskaya geologorazvedochnaya partiya i Volgo-Donskoy territorial'nyy komitet professional'nogo soyuza rabochikh geologorazvedochnykh rabot.



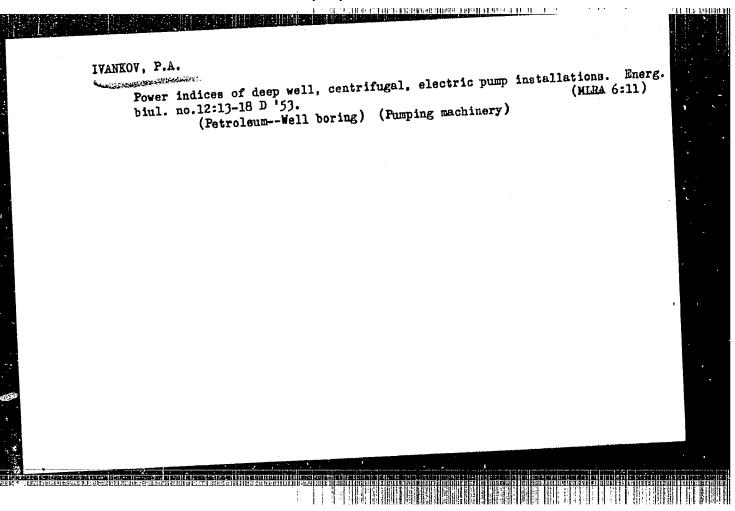
7			Silvic Colonia di Statio		The state of the lateral and the state of th
-	**************************************	a biser starter and in the comment of the comment		HENCE SECTIONS AND ACTIONS COLUMN	
	IVANKOV, P. A.				e
	Petroleum - Pumping				
	• -			•	
	Experimental determination of the Energ. biul. No. 3, 1953.	capacity of electric	motors for oi	l-well pumps.	
					·
					* .
					:
		•			
					•
					:
9	. Monthly List of Russian Accession	ns, Library of Congre	ss, June	1953. Unclass	ified.
			4		
344 BD					
					1,000 mm

IVANEAU, F. A.

Electric Maters

Experimental determination of the capacity of electric motors for oil-well purps. Energ. biul. No. 3, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953, Unclassified.



AID P - 1652

Subject

USSR/Electricity-Engineering

Card 1/2

Pub. 28 - 2/9

Author

: Ivankov, P. A.

Title

: Manometric protection of rodless electric drives

Periodical:

Energ. byul, 2, 5-9, F 1955

Abstract

The electric motors of rodless pumps are protected by oil from water penetration. To safeguard the continuity of operation a special signaling device was developed in order to measure the oil pressure. This device is criticized by the author, who exposes its shortcomings and describes a more dependable and less cumbersome device, which does not require additional cable. The proposed device has been tested in the Laboratory of Industrial Electrotechnics of the All-Union Scientific Research Institute (VNII), where further improvements were

made. The new device was under observation at oil

AID P - 1662

Energ. byul., 2, 5-9, F 1955

Card 2/2 Pub. 28 - 2/9

well #4025 of the All-Union Association of the Groznyy Oil and Gas Industry (GROZNEFT'), where practical observations and more improvements were added.

Institutions: VNII and GROZNEFT!.

Submitted : No date

IVANKOV, PH.

AID P - 1667

Subject

: USSR/Electricity

Card 1/1

Pub. 28 - 7/9

Authors

Virnovskiy, A. S. and Ivankov, P. A.

Title

Device which automatically switches off the electric motor of a walking beam depending on operation of

deep pump

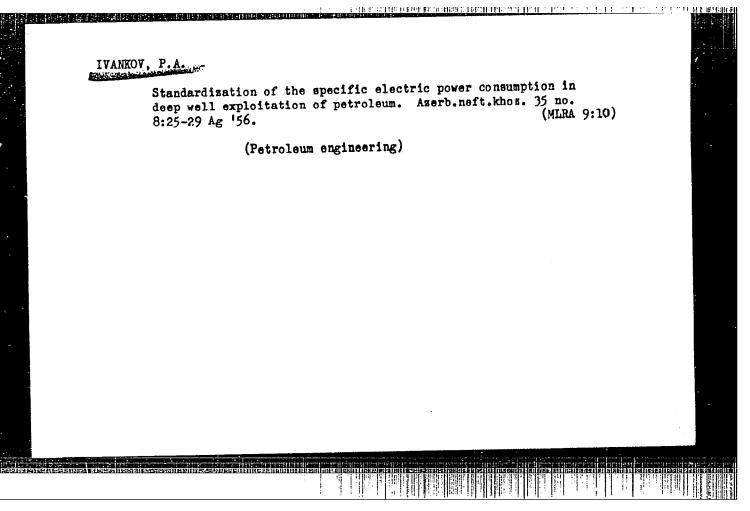
Periodical: Energ. byul., 2, 25-27, F 1955

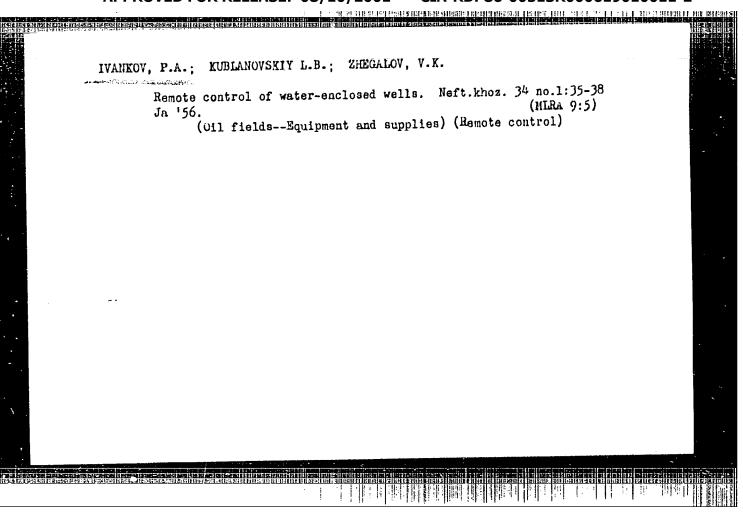
Abstract

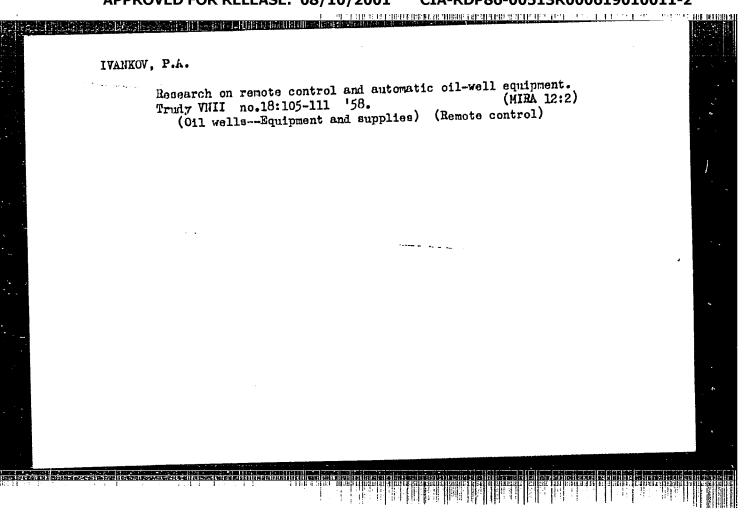
This paper was presented in a competition for suggestions on the more economical consumption of electric power. A relay switch is described which will cut off the electric drive of a walking beam when the oil level in the deep pump reaches a certain low point, and after a short interval switch on the drive again. The device and its operation is illustrated by 4 diagrams. The jury found 3 shortcomings in the proposed device, accepted it for further development, and awarded the authors third prize.

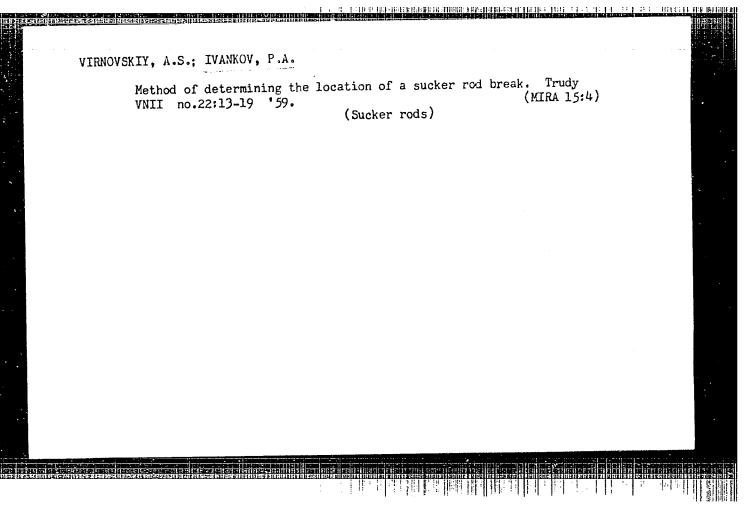
Institution: Submitted :

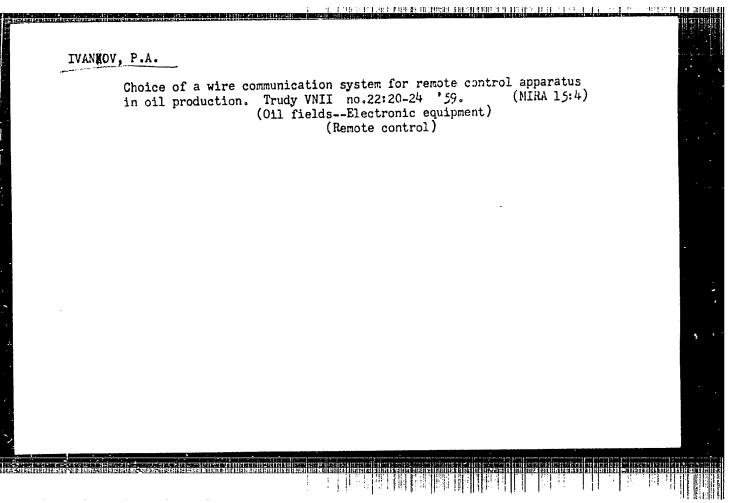
None No date











IVANKOV, Pavel Aleksandrovich; GGR'KOVA, A.A., vedushchiy red.;

POLOSINA, A.S., tekhn.red.

[Automatic control of deep-well pump installations] Avtomatizatsiis glubinnonasosnykh ustanovok. Moskva, Gos.nauchnotekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1960. 125 p.

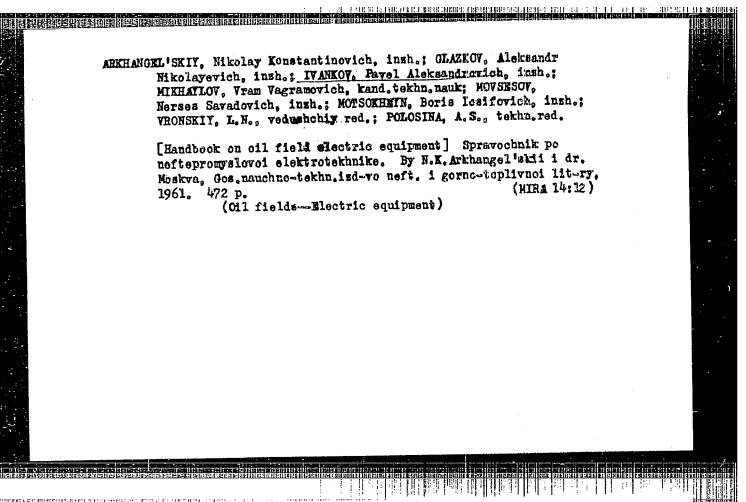
(MIRA 13:12)

(Oil well pumps) (Automatic control)

IVANKOV, P. A.

Cand Tec Sci, Diss -- "Investigation of the electric drive of deep well pump installations". Baku, 1961. 20 pp, 22 cm (Joint Council of the Azerbaydzhan Inst of Petroleum and Chem imeni M. Azizbekov and inst and establishments of the Acad Sci AzSSR on power engr and automation of industrial processes), 250 copies, No charge (KL, No 9, 1961, p 182, No 24340). 251-548447

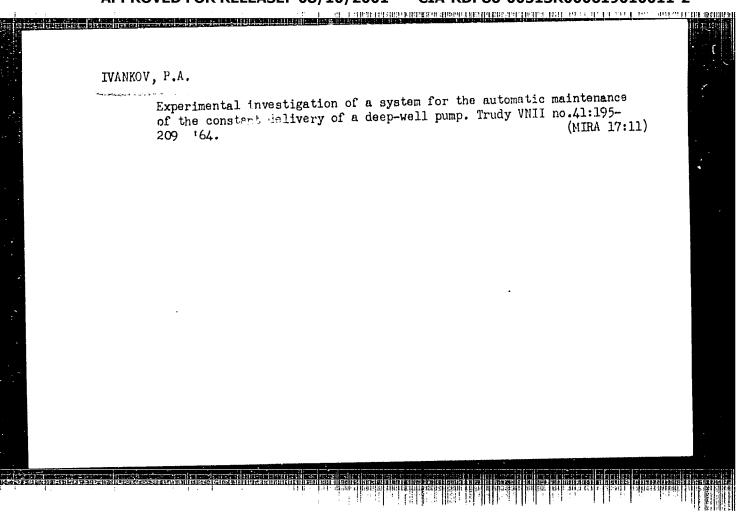
APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619010011-2"



IVANKOV, P.A., TATEISHVILI, O.S., ABRIJKIN, A.L.

Electric model tests, control and automation of deep well pumps.

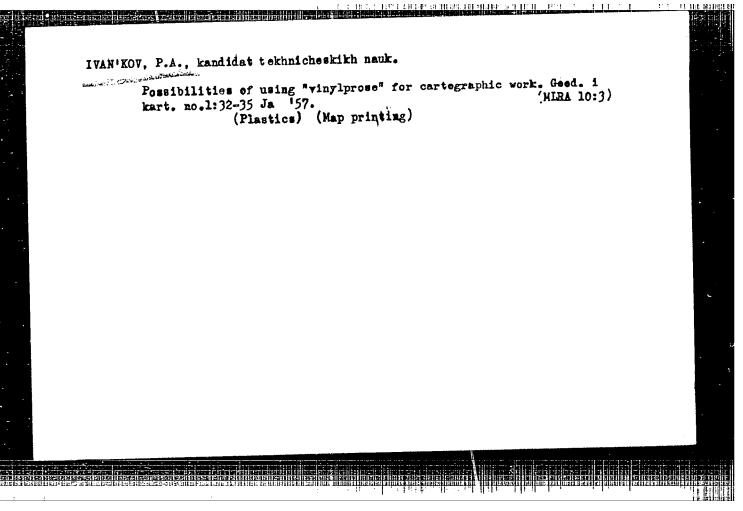
Report to be submitted for the Sixth World Petroleum Congress, Frankfurt, 16-26 June 63



IVANIAN Parel Alaravarich: SUKOLOV, Vladimir Viktorovich; PODOBEDOV, N.S., redektor; SHAMAROVA, T.A., redektor izdatel'stva; RCMAROVA, V.V., tekhnicheskiy redektor

[Eternal anow and its representation on topographical maps] Vechnye anega i ikh izobrashanie na topograficheskikh kartakh. Moskva, izd-vc geodes. lit-ry, 1957. 81 p. (MIRA 10:10)

(Snow) (Cartography)



IVAN'KOV, P.A.

AUTHOR:

Ivan'kov, P.A.

10-58-2-5/30

TITLE:

The Glaciation of Kamchatka (Oledenerive Kamchatki)

PERIODICAL:

Izvestiya Akademii nauk SSSR - Seriya geograficheskaya, 1958,

Nr 2, pp 42-53 (USSR)

ABSTRACT:

The author gives a detailed description of the border line of perpetual snow in Kamchatka (Tables 1 and 2), of the individual glaciers and their location (Figure 1), and of active and extinct volcanos. In this connection the names of various Soviet scientists, who devoted their research work to the geological problems of Kamchatka, are mentioned: N.G. Kell:, A.N. Zavaritskiy, A.N. Trotskiy (who participated in an expedition to Kamchatka organized by the USSR Academy of Sciences in 1955), 3.A. Konradi, T.I. Ustinova and Yu.V. Averin. There are five charts, two tables, and five Soviet references.

1. Glaciers—Characteristics—USSR 2. Volcances—Characteristics—USSR 3. Snow

Card 1/1

EL COLE CENTRAL STREET CONTRACTOR : 3(4) AUTHOR: Ivan'kov, P. A., Candidate of Technical Sciences SOV/6-59-2-10/22 TITLE: On the Topographical Survey of Glaciers (O topograficheskoy PERIODICAL: Geoderiya i kartografiya, 1959, Nr 2, pp 48 - 51 (USSR) ABSTRACT: On modern topographical maps 1:10000 - 1:100000 even the outlines of glaciers are neglected on the representation of eternal snow. These deficiencies and the demands of the buyers of topographical maps are discussed in the present paper. The inaccuracies must be eliminated above all. The term "eternal snow and glacier" is employed here. We are interested in the eternal snow 1) as a special kind of glacier relief; 2) because it is closely connected with the hydrographical net and 3) determines the passability of the area and must be regarded as a special kind of soil. Geographers and hydrologists are interested in the position of glaciers with respect to the basic elements of the relief, the shape and size of the individual glaciers, the area Card 1/3 covered with ice, the dynamics of glaciers within the period

On the Topographical Survey of Glaciers

SOY/6-59-2-10/22

between two surveys of the region, the feeding and melting of glaciers. All these data can be easily obtained according to air photographs in the field or in the internal service. On modern topographical maps, especially on that mapped on a scale of 1:25000, also seasonal snow is represented in addition to glaciers, snowfields and eternal snow. The author mentions the following conditions for an accurate representation of glaciers on topographical maps: 1) appropriate selection of time for taking air photographs. This is the second half of summer when seasonal snow has melted completely or at least to a large extent. It must be taken into account herein that in the mountains snow falls also in summer so that surveys must be carried out during a sunny period when the new-fallen snow has already melted. 2) Appropriate cartographical generalization of the representation. In spots where the outlines are indistinct the topographer must mark them clearly in such a way that they can be represented accurately without distortions. It is necessary that the accurate ratio between snow-covered and uncovered slopes is demonstrated. 3) Furthermore, the map must contain the absolute level of the glacier end, the level of the snowline

Card 2/3

On the Topographical Survey of Glaciers

307/6-59-2-10/22

(which divides the glacier into two main parts: the range of feeding and the range of melting), the shape of the glacier surface, the moraine cover of the surface, the presence of brooks and a grotto at the end of the glacier. In addition to that, new signs for the glacier outlines must be introduced. The sign used for moraines must be simplified. Genuine glaciers, snowfields and snow-basins of glaciers must be marked with individual signs. There is 1 Soviet reference.

Card 3/3

3(5) 19(3) SOV/12-91-3-2/14

AUTHOR:

Ivan'kov, P.A.

TITLE:

The Glaciation of the Great Caucasus and its Dynamics

from 1890 to 1946

PERIODICAL:

Izvestiya VGO, 1959, Vol 91, Nr 3, pp 220-235 (USSR)

ABSTRACT:

The author studies the present situation of the glaciers in the Great Caucasus and compares it with the situation in 1890. The study has a practical motive, namely, to serve as a part of the preliminary work for the construction of huge power and irrigation plants in that region. The article is divided into 3 sections, West Caucasus, Central Caucasus and East Caucasus. All glaciers have been remeasured. The area of single glaciers and the snow line above-sealevel were measured. All major glaciers are listed by names with approximate location of each of them. Conclusions: Northern slopes of Caucasus lost about 16.5% of their ice-covered surface but the number of

Card 1/2

S/006/60/000/05/11/024 B007/B123

AUTHOR: Ivan'kov, P. A., Candidate of Technical Sciences

TITLE: Fossil Ice and Layer of Ice (Characteristics, Occurrences, and Mapped Representations)

and mapped hapted and appears,

PERIODICAL: Geodeziya i kartografiya, 1960, No. 5, pp. 45-51

TEXT: It is pointed out that fossil ice and layers of ice are widely spread in the northern hemisphere and form an integral part of the tundra and taiga. Nevertheless, they are hardly dealt with in publications. A survey of these elements is given in this paper. Possil and underground ice is a powerful ice accumulation of many years covered by a thin ground layer only. Several species of fossil ice according to their origin and form must be distinguished. The most widely spread kind are the ice layers of different thickness within the frozen underground at a certain depth below the earth surface. They may be remainders of old glaciation or may be formed at present in places where the underground water of zoner of permanent frost penetrates the soil. They become visible only at eroded places on steep sea coasts, river banks, etc. The extension of this

Card 1/3

Fossil Ice and Layer of Ice (Characteristics, Occurrences, and Mapped Representations)

\$/006/60/000/05/11/024 B007/B123

kind of underground ice is shown in a map (Fig. 2). In Fig. 3 the proposed signs for mapping all kinds of fossil ice and layer of ice are given. The second kind of fossil ice is the cleft or lode ice which occurs only in tundra areas. It develops during years of freezing of water in frostsplit clefts of the ground. Such clefts are formed every year in the winter and spread along the same axis. Thereby the ice wedges become broader and deeper every year. Usually they cross each other at right angles and form polygons. The diameter of such polygons varies from 15 to 20 m, and from 100 to 150 m. After the ice lodes on the earth surface have melted, the polygonal cores form series of conical hills which are designated in Yakutiya as "baydzharakh" (Figs. 5 and 3v). The third kind of fossil ice is "dead ice". This is buried under moraine sediments and has no connection to glaciers. The second form of permanent ice in the zone of permafrost soil is the layer of ice. This is a one-year or several-year-old ice accumulation which is formed in the wintertime at places where the river or underground water protrudes systematically to the surface. According to their location, origin, and form one distinguishes several groups of layers of ice. Mostly spread are river layers of ice. Those which are formed by the protrusion of the river water to the surface

Card 2/3

Fossil Ice and Layer of Ice (Characteristics, Occurrences, and Mapped Representations)

S/006/60/000/05/11/024 B007/B123

through cracks in the ice cap, or by the protrusion of underground water, are called "infiltrating layers of ice". Besides, there are also "ascending layers of ice". These are formed by the protrusion of water to the surface by a dome-like swelling of the ice and by an eruption on one spot. East of the Lena River more than 4000 large layers of ice, in Turkic language called "taryn", with a length of 100 m to 90-100 km, a width of from some meters up to 3-5 km, and a thickness of 0.5 to 10-12 m were recorded (Fig. 6). In the region of permafrost soil layers of ice are also formed outside the inundation bed of rivers because of an eruption of underground water. With the beginning of frost the melted ground freezes, sometimes down to permafrost soil, and thus forms a hindrance for the runoff of underground water. The high hydrostatic pressure raises the layer of the permafrost soil in the form of a hill, a so-called hydro-lakkolithe. In Turkic language they are called "bulgunnyakh". They are up to 50 m high and up to 200 m wide. There are 7 figures.

Card 3/3

1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.00 (1.00) | 1.0

IVAN'KOV, Pavel Alekseyevich; SMCZHRNKOV, Nikifor Fedos ich; ZHUDRO,

A.N., red.; SHAWAROVA, T.A., red.izd-va; VORONOV., V.V.,
tekhn.red.

[Flastics in cartography] Plastiki v kartografii. Izd-vo
geodez,lit-ry, 1961. 80 p.

(Flastics) (Cartography)

(Flastics) (Cartography)

MANZHOS, Fedor Matveyevich, doktor tekhn.nauk; IVANKOV, P.G., red.; FEDOROV, B.M., red.izd-va; KARASIK, N.P., tekhn.red. [Precision of mechanical woodworking] Tochnost' mekhanicheskoi obrabotki drevesiny. Moskva, Goslesbumizdat, 1959. 261 p.
(MIRA 13:3) (Woodwork)

3(4)
AUTHOR: Ivan'kov, P.I., Candidate of Technical Sciences
(Moscow)

TITLE: The Present State of Glaciation of the Zangezurskiy Range
(Sovremennoye oledeneniye zangezurskogo khrebta)

PERIODICAL: Priroda, 1959, Nr 4, p 114 (USSR)

ABSTRACT: The author points out that the southern center of present glaciation in the Caucasus is located in the southern part of the Zangezurskiy Range, north of the 39th narallel. This mountain range lies south-east of the Armenian Highlands and covers 150 km from the mountain Ginal (Shakhdag Range) in the north, up to the Araks in the south. The height of this range reaches

Card 1/2

PER BEAR

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619010011-2"

3,700-3,900 m in the glacial regions. Considering the location of most of the glaciers the present snow line of the Zangezurskiy Range can be fixed at a height of 3,600-3,650 m. According to the latest topographical map there are 52 glaciers in a 22 km zone of the

SOV/26-59-4-43/43

The Present State of Glaciation of the Zangezur Range

Zangezurskiy Range. Each of them comprising an area of about 1.58 km². 44 glaciers are situated on the eastern slope, 8 on the western one, but all of them higher than 3,400 m. There is 1 map.

Card 2/2

OSADCHEV, Vasiliy Georgiyevich, kand. tekhn. nauk; IVANKOV, Petr-Timofeyevich; LOTSMANOVA, Platonida Nikolayevna; SOKOLOV, Tikhon Davydovich; SHUBIN, Grigoriy Solomonovich; BASKAKOV, Ye.D., red.; SVETLAYEVA, A.S., red. izd-va; VDOVINA, V.M., tekhn. red.

CONTROL CONTROL OF THE CONTROL OF TH

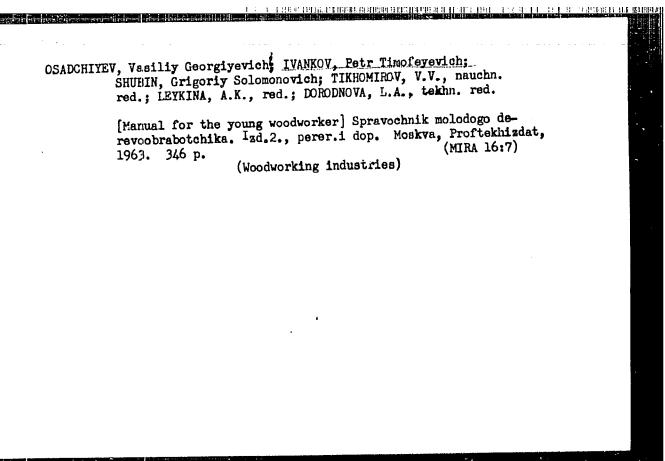
[Handbook on woodwork and the processing of wood; for workers in shops manufacturing consumer goods] Spravochnik po obrabotke i pererabotke drevesiny; dlia rabotnikov tsekhov shirpotreba. 2., perer. izd. Moskva, Goslesbumizdat, 1961. 371 p. (MIRA 15:2)

(Woodwork) (Wood-using industries)

IVANKOV, Petr Timofeyevich; KULIKOV, I.V., retsenzent: KUZNETSOV,
M.A., retsenzent; PLESKO, Ye.P., red. izd-va; VDOVINA, V.M.,
tekhn. red.

[Technical measurements and the fundamentals of metrology]
Tekhnicheskie izmereniia s osnovami metrologii. Moskva, Goslesbumizdat, 1963. 256 p.

(Mensuration) (Measuring instruments)



्रत् । अस्तर्भवानामा विकास स्थानामा विकास मान्या । विवास विवास विवास । विवास । विवास । विवास । विवास । विवास म

ADONIN, A.N., kend.tekhn.nauk; ALIVERDIZADE, K.S., kend.tekhn.nauk;

AMIYAN, V.A., kend.tekhn.nauk; ANISIMOV, Ye.P., inzh.; APRESOV,

K.A., dotsent; BELEN'KIY, V.N., inzh.; BOGDANOV, A.A., kend.

tekhn.nauk; GORBENKO, L.A., inzh.; DANIELYAN, A.A., inzh.;

DAKHNOV, V.N., prof.; IVANKOV, R.A., inzh.; KORNEYEV, M.I., inzh.;

LAVRUSHKO, P.N., inzh.; LESIK, N.P., inzh.; LOVLYA, S.A., kend.

tekhn.nauk; LOGINOV, B.G., kend.tekhn.nauk; MININZON, G.M., kend.

tekhn.nauk; MOLCHANOV, G.V., kend.tekhn.nauk; MURAV'YEV, I.M.,

prof.; MUSHIN, A.Z., inzh.; OL'SHVANG, D.Ye., inzh.; PODGORNOV,

M.I., inzh.; FAYERMAN, I.L., kend.tekhn.nauk; FOKINA, Ye.D., inzh.;

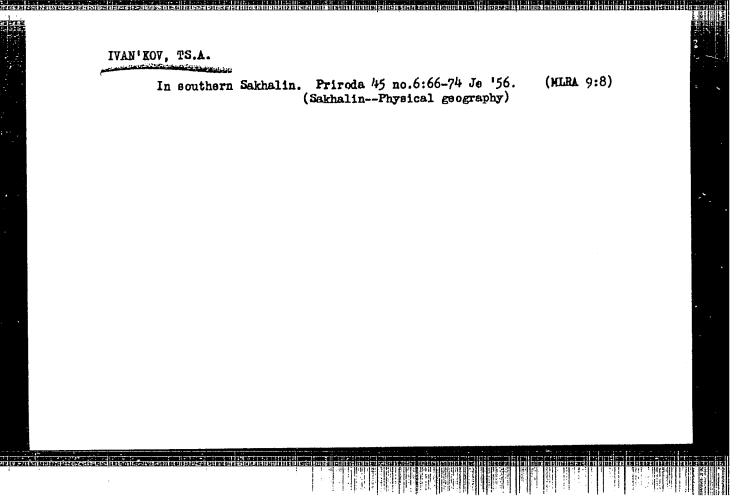
EFISHEV, A.M., inzh. [deceased]; YERSHOV, P.R., vedushchiy red.;

MUKHINA, E.A., tekhn.red.

[Reference book on petroleum production] Spravochnik po dobyche nefti. Moskva. Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry. Vol.2. 1959. 589 p. (MIRA 13:2) (Oil fields--Production methods)

L 3984-66 UR/0115/65/000/007/0001/0006 ACCESSION NR: AP5022356 681.2.088.001.5 AUTHOR: Nemirovskiy, A. S.; Ivankov, S. 2. New approximation polynomials for analyzing the results of measurements TITLE: SOURCE: Izmeritel'naya tekhnika, no. 7, 1965, 1-6 TOPIC TAGS: approximation method, mathematic analysis ABSTRACT: Simple methods are proposed for deriving polynomials to approximate the physical relationships of empirically derived functions. These methods reduce the number of computational operations required for derivation of approximate polynomials in comparison with the method of least squares. However, the new methods entail somewhat of a loss in information (reduction in accuracy) or an increase in the number of experiments. It is proved that little accuracy is lost in the case of polynomials of the second and third degree if curves are passed through subintervals in the function being approximated and correction is made by adding a constant or a linear term. It is shown in the first part of the paper that a polynomial of any degree k requires correction by a polynomial of degree k-2. Even if the corrective

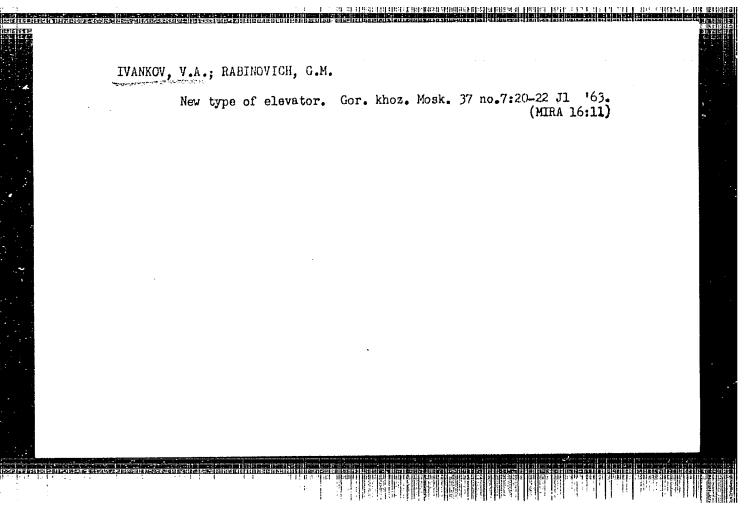
L 3984-66 ACCESSION NR: AP50223	56 56		, 11 , 14 , 15 , 15 , 16 , 16 , 16 , 16 , 16 , 16	
	by the method of least squar	fatot adt ear	number of op	erations
	a amonogod method A method	i is also diou	ORGO MUTCH ING	<i>y</i> 56
used in cases where li	mited accuracy is required.	and the devia	tion of this	curve
C Ale sumamimontal	nainte is than approximated	13A OHE OT BUILD	har trammana	PTOPON
1 11 1 man 24 10	frequently possible to appropriately found by the method of	oximate a runc	CYPIT DA CE TTV	10122
	accept a comment of			
45 formulas.				
•				
ASSOCIATION: none	FNCL: 00		SUB CODE: 1	IA
•	ENCL: 00		SUB CODE: 1	14.
ASSOCIATION: none	ENCL: 00 OTHER: 000		SUB CODE: 1	lA.
ASSOCIATION: none SUBMITTED: 00	المعاقبة (المحافظية المعاقبة المعاقبة المعاقبة المعاقبة المعاقبة المعاقبة المعاقبة المعاقبة المعاقبة المعاقبة والمعاقبة (المحافزة المعاقبة		SUB CODE: 8	1.4
ASSOCIATION: none SUBMITTED: 00	المعاقبة (المحافظية المعاقبة المعاقبة المعاقبة المعاقبة المعاقبة المعاقبة المعاقبة المعاقبة المعاقبة المعاقبة والمعاقبة (المحافزة المعاقبة		SUB CODE: 1	1A
ASSOCIATION: none SUBMITTED: 00	المعاقبة (المحافظية المعاقبة المعاقبة المعاقبة المعاقبة المعاقبة المعاقبة المعاقبة المعاقبة المعاقبة المعاقبة والمعاقبة (المحافزة المعاقبة		SUB CODE: 1	1.
ASSOCIATION: none	المعاقبة (المحافظية المعاقبة المعاقبة المعاقبة المعاقبة المعاقبة المعاقبة المعاقبة المعاقبة المعاقبة المعاقبة والمعاقبة (المحافزة المعاقبة		SUB CODE: 1	14.



DONSKOY, V., inzh.; IVANKOV, V., inzh.; RABINOVICH, G.

What floor do you want? Izobr.i rats. no.5:11-12 My '62.
(MIRA 15:5)

1. Institut "Lenzhilproyekt" (for Donskoy, Ivankov).
2. Nachal'nik otdela novoy tekhniki i tipizatsii instituta
"Lenzhilproyekt" (for Rabinovich).
(Elevators)

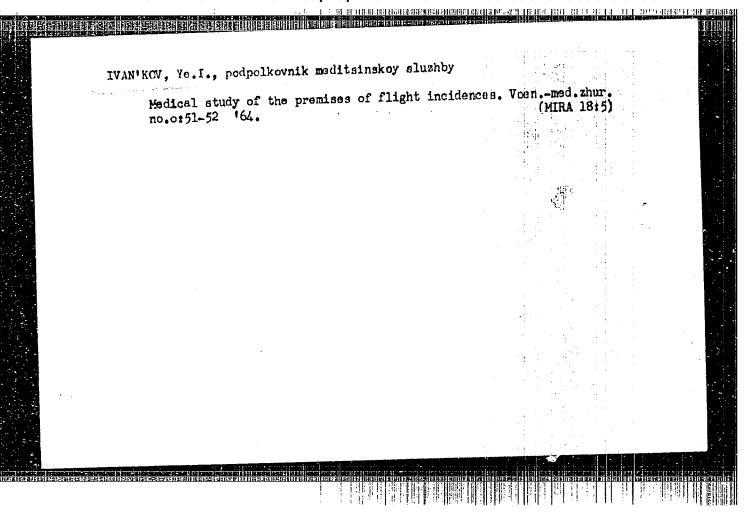


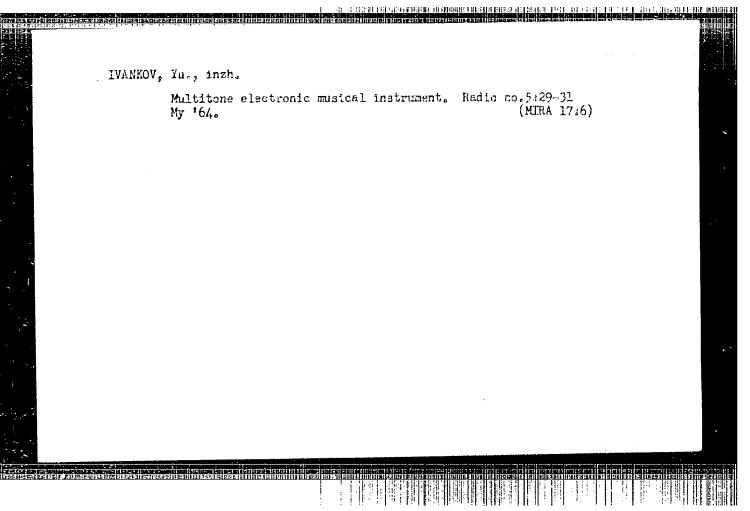
IVAN'KOV, Ye.I., podpolkovnik meditsinskoy sluzhby; LYASAKOV, N.A., podpolkovnik meditsinskoy sluzhby; SMIRNOV, V.V., podpolkovnik meditsinskoy sluzhby Causes for the elimination of students in military flight training institutions for health reasons, Voen.-med.zhur. no.3:57-60 Mr '61.

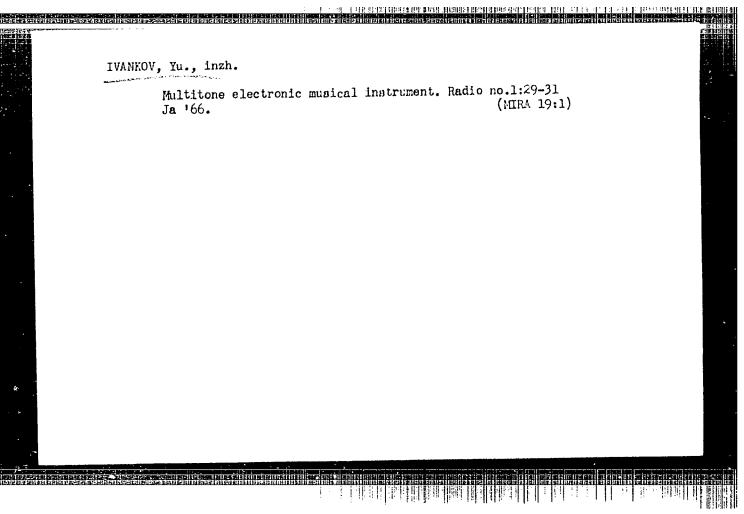
(AVIATION MEDICINE)

(MIRA 14:7)

CIA-RDP86-00513R000619010011-2" APPROVED FOR RELEASE: 08/10/2001







MIKHAYLOV, V.V., kand.tekhn.nauk; PLATONOV, V.V., inzh.; IVAEKOV, Yu.I., inzh.

Increasing of the sensitivity of the starting devices of distancetype systems. Elek. sta. 34, no.6:65-63 Je *63. (MIRA 16:9)
(Electric protection) (Electric power distribution)

AUTHORS:

na (Inches para la la propertional de la companya de la companya de la companya de la companya de la companya

Shcherbov, D.P., Ivankova, A.I.

32-24-6-3/44

TITLE:

A Comparative Study of the Photometrical Methods of Determining Gallium (Sravnitel noye izucheniye fotometricheskikh metodov opredeleniya galliya)

PERIODICAL:

Zavodskaya Laboratoriya, 1958, Vol 24, Nr 6, pp 667-674 (USSR)

ABSTRACT:

For the determination of small quantities of gallium a number of reactions was suggested; M.Z.Yampol'skiy (Ref 24) investigated the influence exercised by the nature of the chromophore upon the sensitivity of the reaction of the functional-analytical groups of some reagents. In the USSR the fluorescence method with orthocyquinoline is the most frequently used, whereas in other countries the colorimetric and fluoremetric determination by means of rhodamine B is the most used. Recently, A.M.Lukin and G.B.Zavarikhina suggested using the gallium reagent which was synthetized at the IRYEA for colorimetric determinations of gallium. In order to ascertain the sensitivity of the methods of determination employed, a table was worked out which shows that less than 0.05//ml of gallium can be determined in the colorimetrical determination with purpurine, quinalizarin, and gallium, as well as by fluoremetric

Card 1/4

我们在穿到这块点下的复数形式。不是在不是,还在一般在上的在外里的时间,他的时间就确解到这种种的**的**根据的这种的特别的<mark>的复数形式 的现在分词,</mark>这种的人们的人们的人们的人们

A Comparative Study of the Photometrical Methods of Determining Gallium

32-24-6-3/44

measurement with sulphonaphtolazorezorein, orthooxyquinoline, and rhodamine B. For the purpose of studying reagents in the determination of gallium in mineral raw materials gallium and the rhodamines C (the corresponding USSR products B and 6 th) were used, the structural formulae of which are given; the older laboratory workers R.M. Kuchina and V.I. Brymtseva assisted in the work of determination. In order to investigate the degree of selectivity of rhodamines with different ions and under different conditions, a special technique was developed and used, which is described together with the various types of UV-tubes used for the same purpose. Determinations carried out with rhodemine C (which are shown in form of schematical drawings) show that only ittrium, copper, antimony, thallium and tellurium exercise a disturbing influence; it is further shown that, according to a paper by H. Onishi and E.B. Sandell (Refs 13,14) the influence exercised by Au, Sb, Fe and thallium+3 can be eliminated. Experiments carried out with rhodamine 6 zh showed that selectivity was lower than in the case of rhodamine C, but, at the same time, it was found that, if gallium is first separated from the disturbing

Card 2/4

A Comparative Study of the Photometrical Methods of Determining Gallium

32-24-6-3/44

admixtures, the sensitivity attainable is five times as great and the range of application is from six to seven times as great as in the case of rhodamine C. It is recommended by the IRYAA that gallium be used with a biphtalate buffer at pH = 3. In the present paper an acetate buffer with a pH = 3 is, in addition, used and it was found that gallium reacts with many elements especially in the acetate buffer, and that therefore a previous separation of the major part of the ordinary components of mineral raw materials must take place. A comparison of the reagents investigated showed that rhodamine 6 th offers considerable advantages compared to orthoxyquinoline, whereas determinations carried out with gallium are comparatively simple although a particularly careful separation of disturbing admixtures must be carried out. There are 7 figures, 2 tables, and 27 references, 9 of which are Soviet.

Card 3/4

A Comparative Study of the Photometrical Methods of Determining Gallium

32-24-6-3/44

ASSOCIATION: Kazakhskiy institut mineral'nogo syr'ya i !Sentral'naya laboratoriya Yuzhno-Kazakhstanskogo geologicheskogo upravleniya (Kazakh Institute of Mineral Raw Materials and Central Laboratory of the South-Kazakh Geological Board of Administration)

> 1. Ores--Processing 2. Gallium--Determination 3. Photometry --Performance 4. Colorimetry--Performance 5. Fluorometers--Performance

Card 4/4

CIA-RDP86-00513R000619010011-2" APPROVED FOR RELEASE: 08/10/2001

5(2)

AUTHORS:

Shcherbov, D. P., Ivankova, A. I.

SOV/32-24-11-10/37

TITLE:

Fluorometric Determination of Tellurium Using Rhodamine C (Fluorometricheskoye opredeleniye tellura s rodaminom C)

PERIODICAL:

Zavodskaya Laboratoriya, 1958, Vol 24, Nr 11, pp 1346-1349

(USSR)

ABSTRACT:

The reagents recommended for fluorescence determinations of tellurium - acridine, α-naphtaflavone, and quinine (Refs 1,2) - are not sufficiently selective, and react with other elements. It was noticed that compounds of Rhodamine C and 6Zhwith tellurium which were extracted with benzene from hydrochloric acid glowed intensely after being subjected to ultra-violet rays (Refs 3-5). The complete tellurium extraction was carried out using 3 ml. of a 2:1 benzene-ether mixture and extracting from 5-7% hydrochloric acid. Since Ga, Sb³⁺, Sn²⁺, Mo, Sn⁴⁺, and Re and other elements cause fluorescence the sample to be determined was decomposed and Se and Te separated by ordinary methods (Refs 6,7). The solution was made to volume, and contained an optimal amount of tellurium (1 to 15γ). Rhodamine C

Card 1/2

SOV/32-24-11-10/37 Fluorometric Determination of Tellurium Using Rhodamine C

> appears to be more suitable for the tellurium determination than Rhodamine 62h . The fluorescence was compared against that of the standard solutions. The advantage of the described method is its inherently faster analysis and the fact that it is possible to use smaller samples (0.1-0.5 g). For the ultraviolet radiation a PRK-4. lamp with a quartz condenser and a UFS-3 filter, or a LYUM-1 apparatus (Ref 8) was used (Table). There are 4 tables and 8 references, 6 of which are Soviet.

ASSOCIATION: Kazakhskiy institut mineral'nogo syr'ya (Kazakh Institute for Mineral Raw Materials)

Card 2/2

CIA-RDP86-00513R000619010011-2" APPROVED FOR RELEASE: 08/10/2001

S/032/61/027/004/001/028 B110/B215

AUTHORS :

Ivankova, A. I. and Blyum, I. A.

TITLE

Separation and determination of low amounts of selenium and

tellurium

PERIODICAL: Zavodskaya laboratoriya, v. 27, no. 4, 1961, 371-377

TEXT: Traditional methods of precipitating selenum and tellurium with a content of 1 - 2 mg/l show no quantitative separations; deviations of 20 - 35% occur with concentrations of 0.2 - 0.5 mg/l. The sensitiveness of color reactions cannot be fully utilized. The authors used the following methods to determine Se and Te in copper-rinc and copper ores of the Urals up to a content of 0.0005 - 0.0006% (error limits 3 - 5%): The mineral (2 g) dissolved in 35 - 40 ml of HNO, (1.40) was heated with 10 ml of H₂SO₄ (1:1) until SO₃ vapors were formed. 50 ml of HCl (1.19): 1 mg of dissolved arsenic (1 mg/ 1 ml), and 0.1 g of CuSO₄ were added to the solution after filling up to 50 ml. An excess of Na₃PO₂ was used for U-rd 1/9

Separation and determination ...

S/032/61/027/004/001/028 B110/B215

precipitating; the precipitate was dissolved in 5 ml of HNO, and 2 - 3 drops of HCl, heated with 2 ml of H_2SO_4 until SO_3 vapors were formed, and then filled up to 10 ml. 3 ml each of this solution were used for the Se (I) and Te (II) analyses. 2 ml of 2.5 N HCOOH and 3 ml of 0.1 M Trilon B solution were added for (I). A pH of 2 - 3 was established with NH3 (1:1), and 2 ml of 0.5% 3,3'-diamino-benzidine solution were added. After extraction with 10 ml of toluene, a 20-mm layer of the solution was studied with an \$\Phi >K-H-57 (FEK-N-57) photocolorimeter, light filter no. 2 ($\lambda_{\text{max}} = 410 \text{ m}\mu$). The molar coefficient of light extinction in the passage range of filter no. 2 is 6300 referred to the Se content in aqueous solution before extraction. Cr, Sn, Ti, Zr, Au, and large amounts of Fe and Cu disturb the Se determination. For analysis (II), 5.8 ml of $\rm H_2SO_4$ (1:1), 0.6 ml of 3.5 N HBr, 0.6 ml of 0.1% butyl rhodamine B solution, and 0.05 g of ascorbic acid were added to 3 ml of solution. After extraction with 5 ml of benzene, the optical density of a 5-mm layer is determined either with an \$\bar{\Phi} 3K-M (FEK-M) photo-

Card 2/9

Separation and determination...

S/032/61/027/004/001/028 B110/B215

colorimeter with liquid light filters, or Φ 3K-H-57 (FEK-N-57) photocolorimeter with filter no. 5 ($\lambda_{\rm max}$ = 530 m μ ; molar coefficient of light extinction = 35,000). The following rhodamine dyestuffs may also be used for the Te determination: ethyl rhodamine B, rhodamine 6 G, and rhodamine B. In the latter, a mixture of benzene and ether (3:1) is used for the extraction. A fluorimeter consisting of an CBДШ-250-3 (SVDSh-250-3) lamp, a monochromator, an \$\Phi \text{3y-19}\$ (FEU-19) photomultiplier, and an M-95 (M-95) microammeter, was used to measure the fluorescent intensity of Te compounds with rhodamines. The wavelength for rhodamine 6 G was 555 m μ , and for the other dyestuffs: 587 m μ . As the reference value = 100, a 10^{-3} M fluorescein solution of λ = 518 m μ was used. Results are shown in Fig. 1 and Tables 2,3. Best results were obtained with the bromide complex and butyl rhodamine B; 0.017 of Te was still found in 5 ml. With a Te content of 10^{-5} to 10^{-6} %, however, the photometric method is to be preferred. D. P. Shcherbov and A. I. Ivankova are mentioned. There are 5 figures, 3 tables, and 13 references: 9 Sovietbloc and 4 non-Soviet-bloc. The three references to English language publications read as follows: Ref. 9: D. Boltz, Colorimetric determina-Card 3/9

Separation and determination...

S/032/61/027/004/001/028
B110/B215

tion of nonmetals, N.Y. (1958); Ref. 10: C. L. Luke, Anal. Chem., 31;
no. 4, 572 (1959); Ref. 8; K. L. Cheng, Anal. Chem., 28, no. 11, 1738
(1956).

ASSOCIATION: Kazakhskiy nauchno-issledovatel'skiy institut mineral'nogo
syr'ya (Kazakh Scientific and Research Institute of Mineral
Raw Materials)

Card 4/9