

MJROMTSEV, V.I.; PISKUNOV, A.K.; VEREYN, N.V.

Concerning a highly sensitive method for registering the first
and second derivatives of electron paramagnetic resonance sig-
nals. Radiotekh. i elektron 7 no.7:1206-1213 '62. (MIRA 1963)
(Paramagnetic resonance and relaxation) (Microwaves)

SHIGORIN, D.N.; VOLKOVA, N.V.; PISKUNOV, A.K.; GUREVICH, A.I.

Studying the triplet states of molecules by the methods of
luminescence and electron paramagnetic resonance. Opt. i spektr.
12 no.5:657-659 My '62. (MIRA 15:)
(Molecular dynamics) (Luminescence)
(Paramagnetic resonance and relaxation)

LOKSHIN, B.V.; PISKUNOV, A.K.; KAZITSYNA, L.A.; SRIGORIN, D.N.

Investigation of the structure of certain inner-complex compounds by means of electron paramagnetic resonance. Do-1.
AN SSSR 143 no.4:867-870 Apr '62. (MIRA 14:1)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
Predstavleno akademikom A.N.Nesmeyanovym.
(Complex compounds—Spectra)

8/048/63/027/001/025/043
B108/B186

AUTHORS: Lokshin, B. V., Piskunov, A. K., Kazitsyna, L. A., and Shigorin, D. N.

TITLE: Investigation of the structure of some chelate compounds by means of electron paramagnetic resonance

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya, v. 27, no. 1, 1963, 75-77

TEXT: The e.p.r. spectra of several copper complexes formed by the alkyl- and aryl imines of salicyl aldehyde, o-oxy acetophenone, and β -oxy naphthaldehyde in the form of powders and solutions in chloroform were studied. The powder samples displayed one single asymmetric absorption band and the solutions showed a hyperfine structure (three lines). This splitting is due to the interaction of the unpaired 3d electron of copper with the nucleus of the copper atom (nuclear spin $3/2$). An additional hyperfine splitting into five lines was observed in the case of copper o-oxy acetophenone iminate, which is due to interaction of the unpaired electron with two equivalent nitrogen atoms ($J = 1$). This could

Card 1/2

Investigation of the structure

S/048/63/027/001/023/043
B108/B186

not be resolved with the other compounds, but was also inferred from the dependence of the distance between the split lines on the structure of the groups around the Cu atom (ligand). The width of the e.p.r. lines of the solid compounds depends on the exchange interactions between the paramagnetic particles in the crystal. As the substituent increases, the volume of the molecule and their steric hindrance of close packing also increase. This leads to a reduced volume interaction and, in the case of equivalent packing of the paramagnetic particles in the crystal, to a narrowing of the e.p.r. lines. There are 2 figures and 1 table.

ASSOCIATION: Khimicheskiy fakul'tet Moskovskogo gos. universiteta im.
M. V. Lomonosova (Chemical Branch of Moscow State University
imeni M. V. Lomonosov)

Card 2/2

SHIRAZ, I.R.: [Illegible text]
[Illegible text]
[Illegible text]
[Illegible text]
[Illegible text]

L 32069-66 EWT(m)/EWF(j) RM

ACC NR: AR6016172

SOURCE CODE: UR/0058/65/000/011/D012/D012

AUTHOR: Shigorin, D. N.; Shcheglova, N. A.; Piskunov, A. K.; Ozerova, G. A.

TITLE: Hydrogen bonds in excited electronic states of molecules with π -electrons

SOURCE: Ref. zh. Fizika, Abs. 11D83

REF SOURCE: Tr. Komis. po spektroskopii. AN SSSR, t. 3, vyp. 1, 1964, 302-312

TOPIC TAGS: hydrogen bonding, excited state, absorption spectrum, luminescence spectrum, nonmetallic organic derivative, conjugate bond system, ground state, luminescence quenching

ABSTRACT: On the basis of data on the absorption and luminescence spectra of α -oxy- and methoxy-derivatives of anthraquinone, it is shown that the energy of production of the hydrogen bond in the excited state increases compared with the ground state by a factor of almost 2 and reaches 15 kcal. The increase in the energy of the H bond in the case of excitation with conjugated bonds is connected with the increase of the energy of the π -electron interaction in the quasiaromatic cycle, formed with participation of the p-orbit of the hydrogen atom of the X-H group. The question of the role of the H bond in processes of deactivation of the triplet state and luminescence quenching is considered. [Translation of abstract]

SUB CODE: 20, 07

Card 1/1

GARBUTOV, A.G.; BYATNITSKIY, N.N.; ILIYENOV, A.K. Moskva

presence of squalene in the human aorta. Izv. AN SSSR Ser. Biol. Med. Sci. 1963, no. 1, p. 58-60.

1. Kafedra patologicheckoy anatomii. zav. - deystvitelnyy nauchnyy sovet AMN SSSR prof. I.V. Davydovskiy. 2. Moskovskoye medicinskoye instituta imeni N.I. Pirogova i nauchno-issledovatel'skiy tsentr-khimicheskiy institut imeni I.Ya. Varrova. direktor - prof. Ya.V. Kolotyrkin. Submitted November 15, 1963.

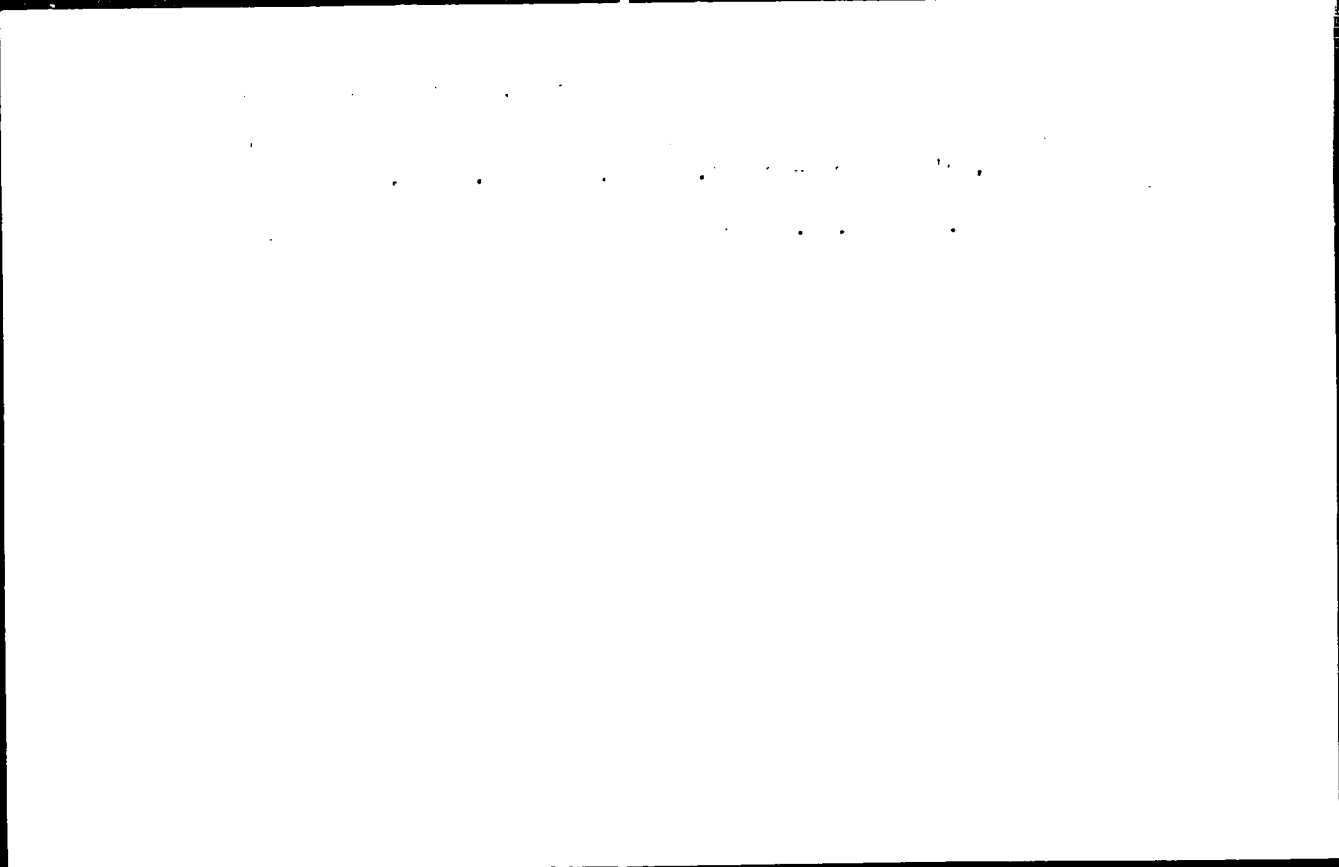
TOLOVANOV, I.B.; PISKINOV, A.K.

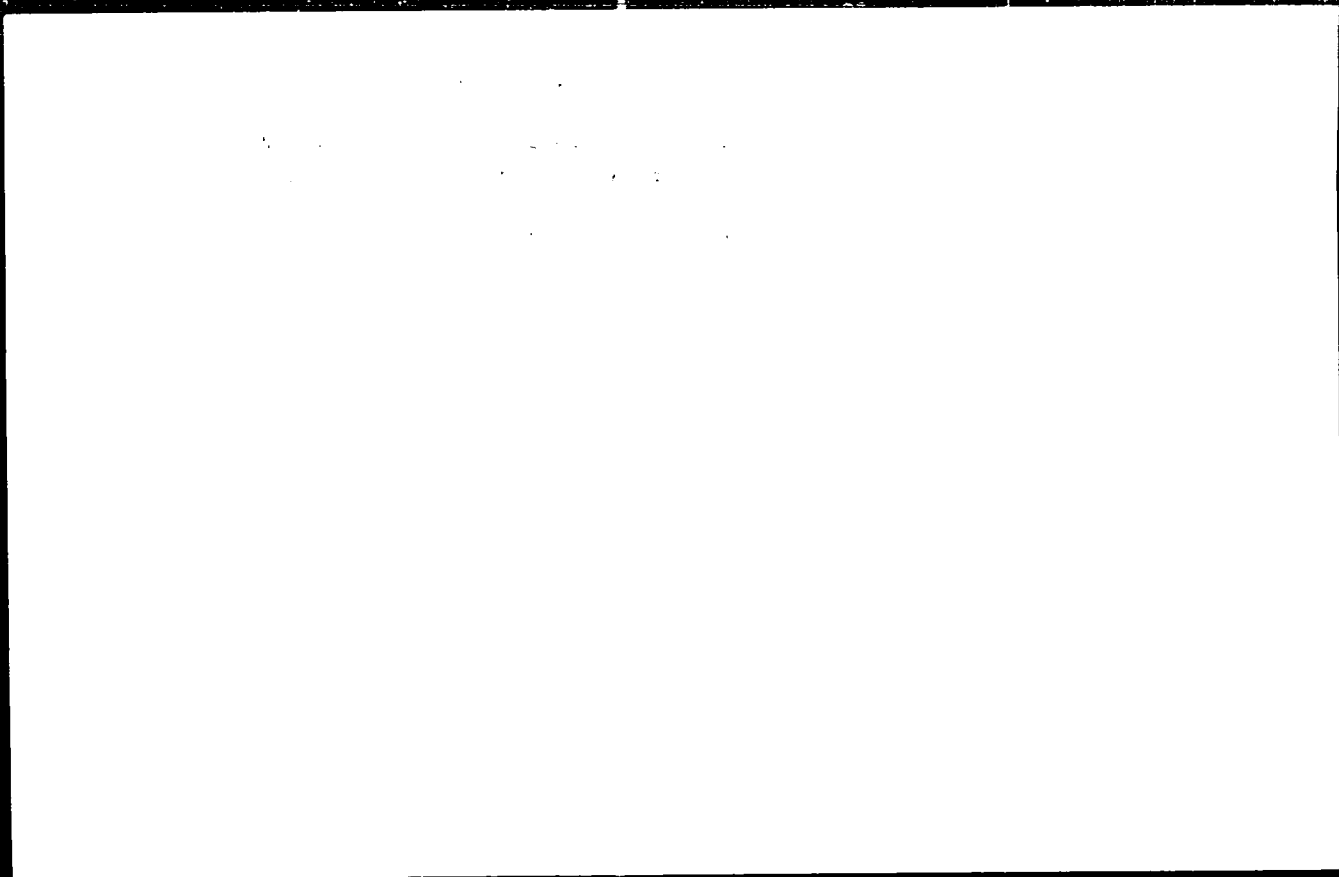
Nature of bonds in complexes of organolithium compounds, *Zh. struk. khim.* 5 no.01933-936 N-D '64. MIRA 1964

1. Fiziko-khimicheskiy institut imeni Karpova.

POTAPOV, N.K.; ARSENIYEV, A.G.; KAZAKEVICH, V. Ye.; BISKUNOV, A.Y.;
CHIZHEVSKAYA, N.N.

Automatic recording of ionization curves. Prib. i tekhn. eksim.
No. 2123-115. My-Je 164 (MIRA 1961)





SHIGORIN, P.N.; PISKUNOV, A.K.; OBEROVA, G.A.; SHCHEGLOVA, N.A.,
VEREYIN, N.V.

Role of hydrogen bonds in deactivation of the excited state of
molecules leading to the formation of radicals. Zhur. fiz. Khim.
38 no.9:2279-2283 S 164. (MIRA 17:1)

1. Fiziko-khimicheskiy Institut imeni Karpova.

L 16195-65 EXT(a)/EPF(c)/ENP(j) Pc-A/Pr-A RPL WH/JFM/RA
ACCESSION NR: AP4048084 S/0078/84/038/009/2279/2283

AUTHOR: Shigorin, D. N.; Piskunov, A. K.; Ozerova, G. A.; Shcheglova, N. A.
Vereyn, N. V. B

TITLE: The role of H-bonds in processes of deactivating activated states of molecules leading to the formation of radicals

SOURCE: Zhurnal fizicheskoy khimii, v. 38, no. 9, 1964, 2279-2283

TOPIC TAGS: H bond, activated molecule, deactivation, radical formation, radical formation mechanism, intermolecular radical formation, EPR spectrum, luminescence

ABSTRACT: The mechanism of radical formation and the role of H-bonds therein was investigated in processes embodying intermolecular radical formation-- when the activated molecules form complexes among themselves or with molecules of the media. The EPR spectra and the luminescence were examined of a series of systems: N-ethylacridone, anthraquinone and some of its derivatives, triphenylamine, and carbazole, in different media in a molar ratio of 1:1 with $c=10^{-3}$ mol/l.

Card 1/4

L 16195-63

ACCESSION NR: AP4048084

Photo-illuminated powders under vacuum at 77K gave no EPR signal. In samples crystallized from ethanol and in luminophor systems X: ...H-O-R, a singlet appeared whose intensity increased proportionally to the intensity of illumination. Photoactivation of systems with the luminescent chromophore >C=O gave a singlet and EPR spectra corresponding to radicals of the solvent. Photoactivation of systems containing the chromophoric atom >N , gave a weak singlet and intense spectra of the solvent radical (radical yield $\sim I^n$, $n \approx 2$). If the >N atom which formed a H-bond with the O-H groups did not affect the electron excitation, the radical yield was small. In solvents (hydrocarbons) which did not contain the X-H group capable of forming H-bonds, the luminophores did not give noticeable EPR signals. It was concluded the H-bond played an important role in the process of forming radicals from a matrix as a result of deactivating activated states of a molecule. This is a two-stage process (see enclosed figure). Formation of the radical complex takes place in the first stage as a result of the transition of the H atom from the molecule of the matrix to the luminophore molecule due to absorption of a quantum of light in $S \rightarrow S^* \rightsquigarrow T$ transitions. The radical complex is decomposed in the second stage forming radicals of the matrix due to absorption

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L 16195-55
ACCESSION NR: AP4048084

of a quantum of light in the $S_R \rightarrow S_R^*$ transition. A network of matrix molecules connected by H-bonds is necessary for this. The yield of radicals in the overall process is proportional to the light intensity I^n , where $n \approx 2$. The triplet activated state does not take part in the process of formation of radicals from the matrix. Orig. art. has: 1 table and 4 figures.

ASSOCIATION: Fiziko-khimicheskiy institut im. L. Ya. Karpova (Physical Chemical Institute)

SUBMITTED: 11Oct83

ENCL: 01

SUB CODE: GC

NO REF SOV: 005

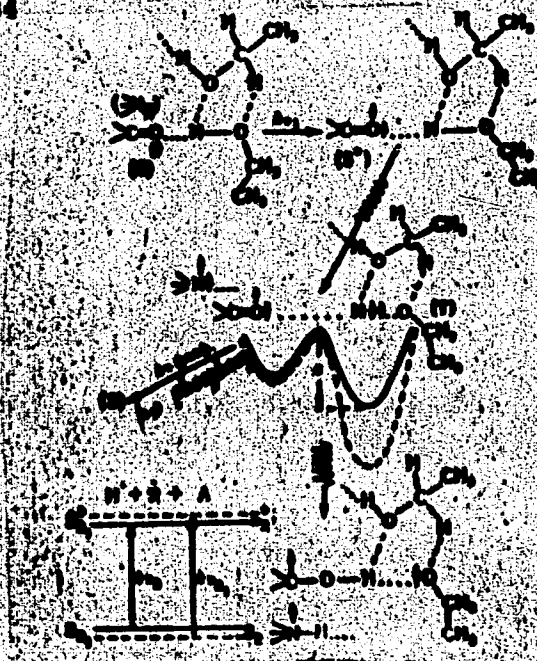
OTHER: 000

Card 3/4

L 16195-25

ADMISSION NO: AP4048084

ENCLOSURE: 01



PISKUNOV, A.K.; KHOLMOGOPOV, V.Ye.; SHIGORIN, D.N.; VEREYN, N.V.;
OZEROVA, G.A.

Mechanism underlying the formation of radicals during
photoirradiation of triphenylamine ethanol solutions frozen
at 77° K. Dokl. AN SSSR 154 no.4:910-913 F '64.

(MIRA 17:3)

1. Fiziko-khimicheskiy institut im. L.Ya. Karpova. Preds av-
leno akademikom A.N. Tereninym.

LOKSHIN, B. V.; PISKUNOV, A. K.; KAZITSYNA, L. A.; SHIGORIN, D. N.

Analysis of the structure of certain chelate compounds by the
electron paramagnetic resonance method. Izv. AN SSSR. Ser. fiz.
27 no.1:75-77 Ja '63. (MIRA 16:1)

1. Khimicheskiy fakul'tet Moskovskogo gosudarstvennogo uni-
versiteta im. M. V. Lomonosova.

(Chelates--Spectra)
(Paramagnetic resonance and relaxation)

GOLOVANOV, I.B.; SIMONOV, A.I.; PISKUNOV, A.K.; TALALAYEVA, T.V.; TSAREVA,
G.V.; KOCHESKOV, V.A.

Nuclear magnetic resonance spectra and ebullioscopy of lithium
alcoholates. Dokl. AN SSSR 147 no.4-836-837 Ap '63. (MIRA 16:3)

1. Fiziko-khimicheskiy institut im. L.Ya.Karpova. V. Chlen-korre-
spondent AN SSSR (for Kocheshkov).

(Lithium alcoholates--Spectra) (Ebullition)

SHIGORIN, D.N.; SECHEGLOVA, N.A.; PISKUNOV, A.K.; OZEROVA, G.A.;
DOKUNIKHIN, N.S.

H-bonds in excited electronic states of molecules with
 π -electrons. Dokl. AN SSSR 150 no.4:862-865 Je '63.
(MIRA 16:6)

1. Fiziko-khimicheskiy institut imeni L.Ya. Karpova.
Predstavleno akademikom A.N. Tereninym.
(Molecular spectra)
(Hydrogen bonding)

1 14959-63

EPR/EPR(j)/EPR(e)/EPR(l)/EPR(m)/EPR(n)/EPR(o)-2

1502
AFTTC/ASD

Pa-4/Po-4/Pr-4/Pi-4 GG/EM/WN

ACCESSION NO: AP3000315

8/0048/63/027/005/0634/0637 85 31

AUTHOR: Pichunov, A. K.; Baranovskiy, R. N.; Shigorin, D. N.; Maronov, V. I.; Ozerova, G. A.

TITLE: Study of photoexcited triplet states in polyatomic molecules by the EPR and phosphorescence methods

SOURCE: Izvestiya AN SSSR. Seriya fizicheskaya, v. 27, no. 5, 1963, 634-637

TOPIC TAGS: electron paramagnetic resonance method, phosphorescence method, triplet state EPR signal, hydrocarbon, hetero-atomic substance, photoexcited molecule, higher-order symmetry, benzophenone

ABSTRACT: By using the electron paramagnetic resonance and phosphorescence methods, the lifetime of phosphorescence and the spectra of several hydrocarbons and hetero-atomic substances have been investigated at 77K in solutions of hexane, isopropyl and ethyl alcohol, isopentane, and in solid matrices of polystyrene and methyl methacrylate. It was found that: 1) All the substances and matrices investigated exhibit the presence of EPR signals of triplet states for the transitions $\Delta M = +2$. 2) The frozen solutions of photoexcited molecules in a carefully purified ethyl alcohol give the strongest signals. 3) The weak dependence

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L 14959-63

ACCESSION NR: AF3000315

4

of the signal shapes and widths on the molecular structures is the result of orientation anisotropy present in the aromatic molecules. 4) The interdependence between H_1 , the intensity of a magnetic field at a point of maximum absorption line slope, and D_1 , the magnitude of a triplet level splitting, can be expressed by a simple analytic formula for the molecules possessing the axes of third- or higher-order symmetry and a single triplet level doubly degenerated. 5) Changes in molecular concentration of 10^{-4} — 10^{-8} do not modify the signal intensities, whereas the phosphorescence spectra become more and more diffuse. 6) Evaluation gives 0.1 cm^{-1} as the approximate magnitude of triplet-level splitting in a zero field. 7) The solutions in ethyl alcohol of many substances exhibit decreases up to 50% in signal intensity after being irradiated by light for five minutes; however, all the matrix solutions investigated indicated the presence of radicals whose signal intensities grew with the duration of exposure to light. 8) Signal intensities of radicals formed by the filtered light irradiation of solutions of luminophores in alcohol increase; this phenomenon is singularly connected with a decrease in signal intensity of triplet states. 9) When irradiated with unfiltered light, two-component systems of ethyl alcohol and polymethylmethacrylate, and naphthalene, phenanthrene, and 3-ethyl-acridone exhibit considerable increases in EPR signal intensities (300 to 400%). The increases are a function of benzophenone concentration.

Card 2/2

PISKUNOV, A.M., inzh.

Welding bulb-bar hull frames on copper straps. Sudostroenie no. 7.
64-65 J1 '60. (MIRA 13:7)
(Hulls (Naval architecture)) (Ships--Welding)

PISKUNCV, A.N.

Preventing single-phase short-circuits to ground in networks
carrying a voltage of 380 volt. Prom.energ. 16 no.9:19-
20 S '61. (MIRA 14:8)

(Short circuits)

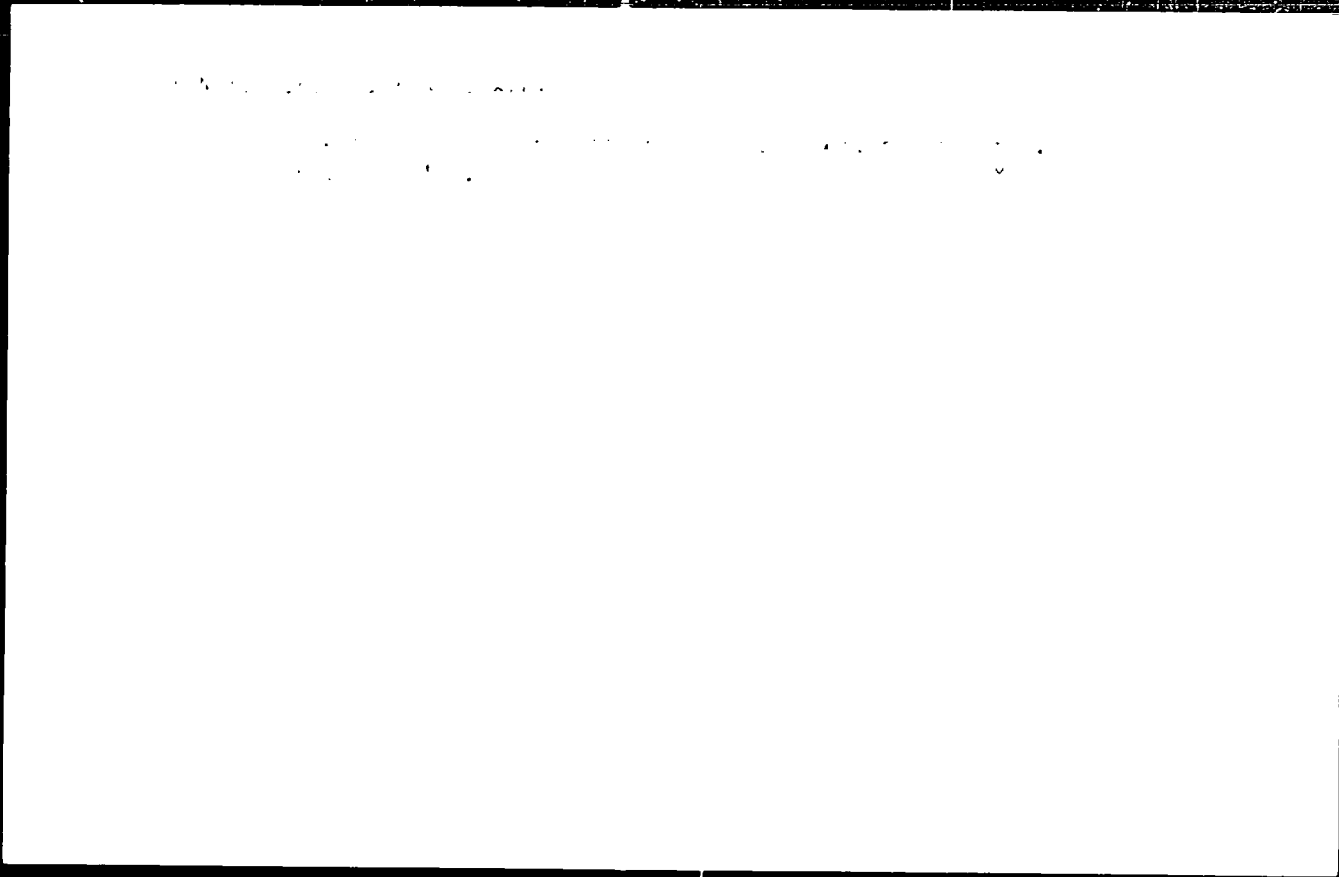
(Electric networks - Safety measures)

PISKUNOV, A.M., inzh.

Methods of covering up openings for the passage of bulb
iron bars of the framing. Sudostroenie 26 no.6:61
Je '60. (MIRA 13:7)
(Hulls (Naval architecture))
(Shipfitting)

PISKUNOV, A.M., insh.

Setting up scaffolding for shipbuilding on slipways. Sudostroenie
25 no.10:54-55 O '59. (MIRA 13:2)
(Shipbuilding)



Abstr Jour : Ref Zhur - Biol., No 7, 1958, No 30617

Author : Il'inskiy A.I., Anisov I.I.

Inst : Not given

Title : Case of Lung Cancer in a Dog.

Orig. Pub : Med. zap. Vitebskogo vet. inst., 1958, 14, No 1, 13-15

Abstract : No abstract

Cards : 1/1

I 6399-66 EWT(m)/EPP(c)/EWP(t)/EWP(b) IJP(c) JD/JG

ACC NR: AP5025721

SOURCE CODE: UR/0286/65/000/018/0075/0075

INVENTOR: Sinel'nikova, V. A.; Yudin, Ye. A.; Balyasov, Yu. F.; Kiseleva, N. M.; Piskunov, A. V. 40
23

TITLE: Treatment of nitrogen² containing vanadium². Class 40, No. 174793 [Announced by the State Scientific Research and Construction Institute of the Rare-Metals Industry (Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut redkometallichecheskoy promyshlennosti)]

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 18, 1965, 75

TOPIC TAGS: vanadium, nitrogen containing vanadium, vanadium refining

ABSTRACT: This Author Certificate introduces a method of treating vanadium which contains nitrogen. Raw vanadium is first converted to hydride, which is ground, mixed with carbon black, and carbidized at about 17000. [WW]

SUB CODE: MM/ SUBM DATE: 06Mar64/ ATD PRESS: 4140

BC

Cord 1/1

UDC: 669.292.33

S/196/61/000/009/048/052
E194/E155

AUTHORS: Moyzhes, A.S., and Piskunov, A.V.

TITLE: Certain technological data concerning the operation of a machine impulse-generator when machining special alloys

PERIODICAL: Referativnyy zhurnal, Elektrotehnika i energetika, no.9, 1961, 42, abstract 9K 309. (Sb. Probl. elektr. obrabotki materialov. M., AN SSSR, 1960, 233-243)

TEXT: Test results are given for generators type **ММГ** (MIG) during electrical spark-machining of special alloys. The machining is controlled by a semiconductor device for regulating the electrode-tool feed. The field of application of generators type **ММГ-2Б** (MIG-2B) and **ММГ-3Б** (MIG-3B) is defined and the optimum machining conditions are stated. The automatic control device ensured efficient use of the spark power. ✓

[Abstractor's note: Complete translation.]

Card 1/1

1110

91931
9/123/61/000...
A004/A101

AUTHORS Moyzhev, A.S., Plakunov, A.V.

TITLE Some technological operation data of mechanical pulse generators in the processing of special alloys

PERIODICAL Referativnyy zhurnal. Mashinostroyeniye, no. 22, 1961, pp. 223-224, 22B381 (V sb. "Probl. elektr. obrabotki materialov", Moscow, SSSR, 1960, 233-243)

TEXT The authors present the results of technological tests of mechanical pulse generators (types МИГ-2Б [MIG-2B] and МИГ-3Б [MIG-3B]) during the electrosparc machining of heat-resisting materials (ЭИ437Б [EI437B], ЭИТ [EYAIT], and ЭИ6-2 [EI6-2]) and sintered carbides (BK20 [VK20] and BK21 [VK21]). Owing to the high technological-economic operation indices the generators can be recommended for extensive use in industry. Thus during the machining of sintered carbides the MIG-3B generators ensure a high efficiency of the process, the absence of surface micro-defects and a surface finish in the range of 0.1-0.2 microns according to GOCT (GOST) 2780-59. Automatic transistorized process...

Card 1/2

Some technological operation data . . .

31931
S/123/61/004/227/8/11
A004/A101

have been developed with dc servomotors and two-phase asynchronous motors with
control systems which ensure a high stability of the machining process and a
high accuracy of the machined pieces. There are 8 figures, 1 table and 1
appendix.

A. M. 22/10

Abstract . . . complete translation

Card 2/2

И. С. ДАВЫДОВ. А. К.

PHASE I BOOK EXPLOITATION

Academiya nauk SSSR. *Tekhnicheskaya literatura* (Moscow, 1976) (English translation)

Academiya nauk SSSR. *Tekhnicheskaya literatura* (Moscow, 1976) (English translation)

Problemy elektricheskoy obrabotki materialov. Problemy of the
Electrical Machining of Materials. Moscow, 1976. AV SSSR,
(Series 151) 174p. 4,500 copies printed.

Sponsoring Agency: Academiya nauk SSSR. Rep. Ed.: B. N. Lashov, Ed. of Publishing House: M. L. Podkovinsky.

ANALYSIS: This collection of articles is intended for scientists and technicians concerned with the investigation of new ways of applying electrical energy.

COMMENTS: The book contains articles on studies carried out by the staff of the Central State Radio-Technical Center.

Problems of the Electrical (Cont.)

SOV/3180

Laboratory of electrical energy of metal material Academiya nauk SSSR (Soviet Academy of Sciences) Central Scientific Research Laboratory for the Electrical Machining of Materials of the AS USSR. In scientific articles. Machining of Materials Electrical energy. The results of new studies include: electrical-thermal machining of dielectric and the utilization of electric pulses discharges in forming and the utilization of reactions, new information on processes occurring on electrode and in the inter-electrode space during short pulses, including by electric current pulses processes in metal, and some new data on the operation of power-supply sources used in the electrical machining and grinding of metals. No personalizations are mentioned. References accompany text.

Kondratyev, V. N. Some Methods of Investigating Power Systems of Spent Installations. 132

Ushakov, A. I. Requirements of Generators and Generators for Generating the Modulation of Metals with Capacitive Energy-Storing Device. 132

Sokolov, V. M. Tesla S-Separators and H. H. G. S-Separators. Investigation of Automatic Control Systems of Power Supply of Blast Furnaces During Electrical-Energy Outlets of Metals by a Blast Furnace. 152

Alygin, A. D. and V. M. Kuznetsov. Investigation of Station-Generator Circuits for the Power Supply of Spent Installations. 168

Sokolov, A. H. Concerning the Composition of the Technological Characteristics of a Dimensional Electric-Optical Control Characteristics of a Dimensional Electric-Optical Control. 215

Molodtsov, S. M. Concerning the Composition of the Technological Characteristics of a Dimensional Electric-Optical Control. 221

Bozhenko, A. G. and A. V. Pavlov. Some Technological Data on the Operation of a Machine Tool for Processing the Ratcheting of Special Alloys. 233

Lashov, B. A. Datasheet Laboratory Study. 244

ATLAS: Library of Congress. 244

Card 6/6. J7/ADR/ee 5-25-61

SECRET

CONFIDENTIAL

PIKUNOV, L.

on ... kh. ... 9 - 13.
(Mil. 16)
... korruptsionnaya "tekhnika molochni".
(Office of Industrial
(Federal Security Administration)

ИШМЫОВ, Е. И.

Silver Fox

Fur farms of the Far North. *Эксп. и зверл., 1, No. 1, 1951.*

Monthly List of Russian Accessions, Library of Congress, June 1951. (If possible.)

PISKUNOV, E. S.
USSR/Mining

Card 1/1

Authors : Piskunov, E. S.

Title : Efforts of the Coal Mine No. 17, of Chistyakov' Anthracite Combine to Increase the Productivity of Labor

Periodical : Mekh. Trud. Rab. Ed 3, 10 - 12, Apr - May 1954

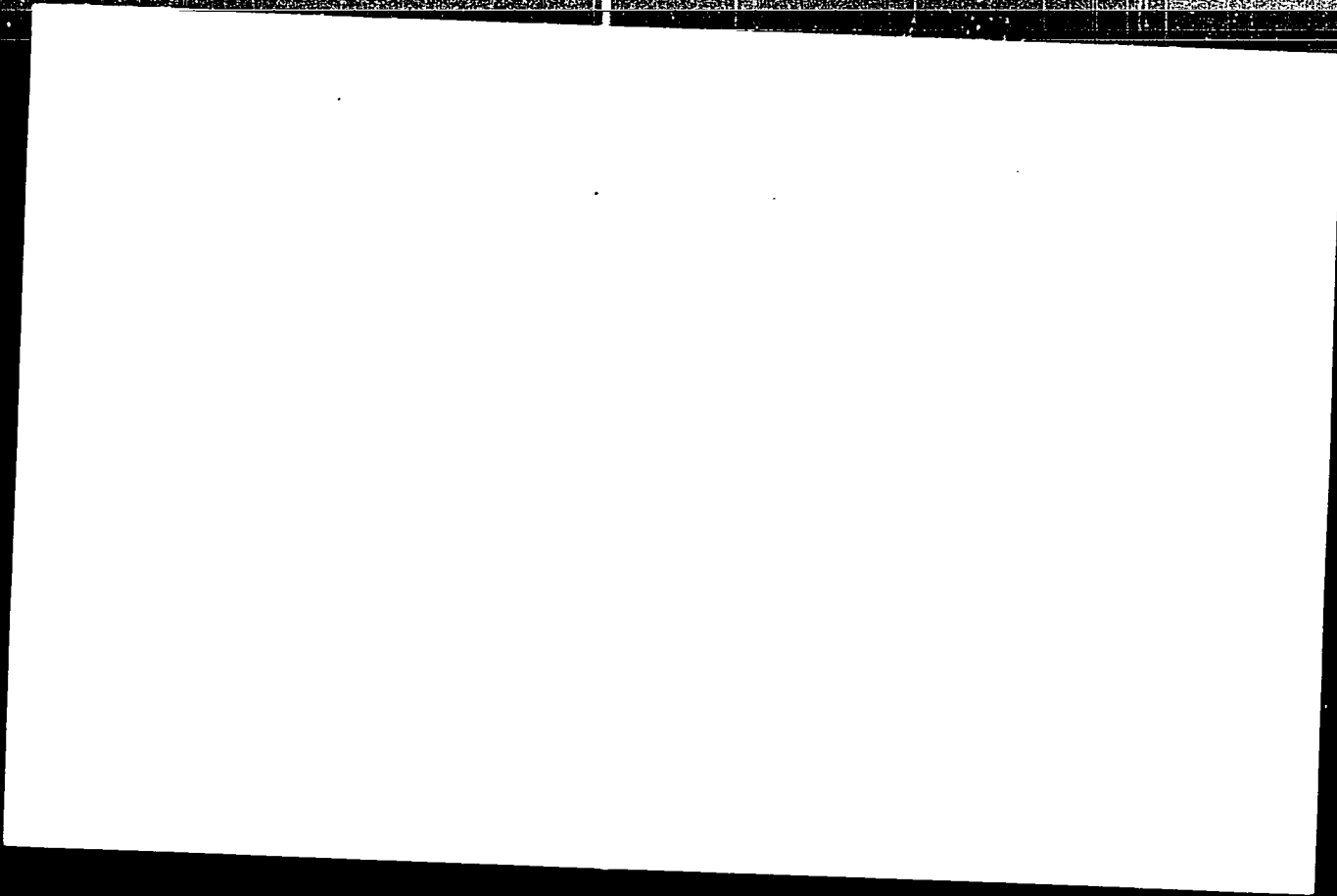
Abstract : The editorial reports on projects undertaken by coal mine #17, of the Chistyakov' Anthracite combine, to increase productivity of labor, improve coal excavating and shaft-sinking operations and the utilization of new machinery, which would result in increase of coal production. Tables.

Institution :

Submitted :

"APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R001341



APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R0013411

Subject : USSR Aeronautics AID P - 41

Card 141 Sub. 135, 6-17

Author : Piskunov, I., Major of the Guard

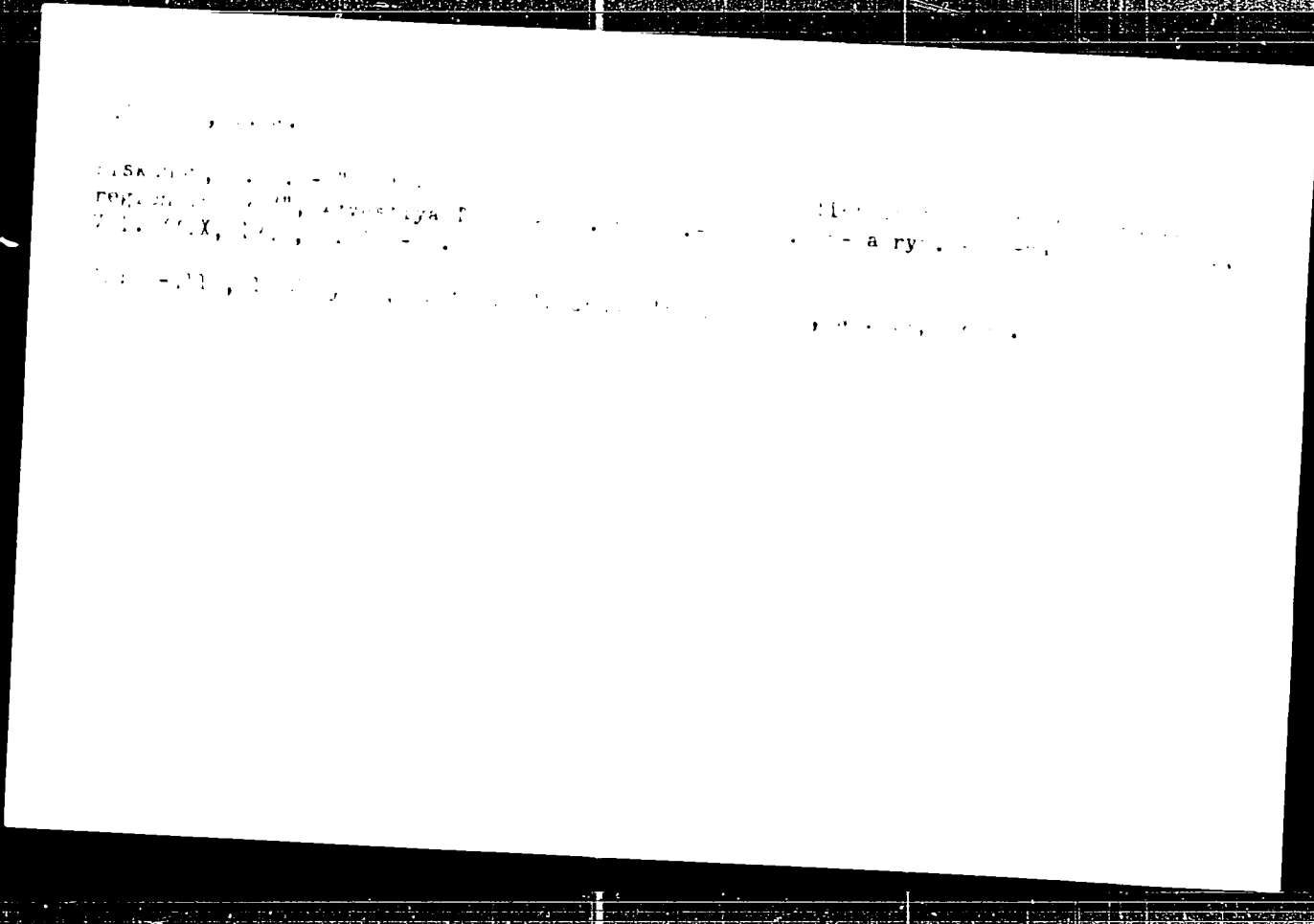
Title : Piloting jet fighters at night

Periodical : Vest. vozd. flota, 9, 34-37, S 1984

Abstract : The author enumerates the difficulties of night flying and the additional difficulty created by the swept-back wings of modern jet aircraft. He analyzes these difficulties and gives some advice on how to deal with them. Examples.

Institution : None

Submitted : No date



ISKROV, ...

Header

Port. ...

San. ...

PISKUNOV, I.A.

Biology of herring feeding along the southwestern shore of
Kamchatka and the Kurile Islands. Vop. ikht. no. 4:63-70 '55.
(MIRA 9:6)

1. Tikhookeanskiy nauchno-issledovatel'skiy institut rybnogo
khozyaystva i okeanografii (TINRO)
(Okhotsk, Sea of--Herring)

PISKUNOV, I., kand.biol.nauk

From word to deed. BTO 2 no.11:20-21 B '60. (MIRA 13:11)

1. Zamestitel' direktora po nauchnoy chasti Kaspiyskogo filiala
Vsesoyuznogo nauchno-issledovatel'skogo instituta rybnogo
khozyaystva i okeanografii.
(Caspian Sea--Fishery law and legislation)

PISKUNOV, I.A.

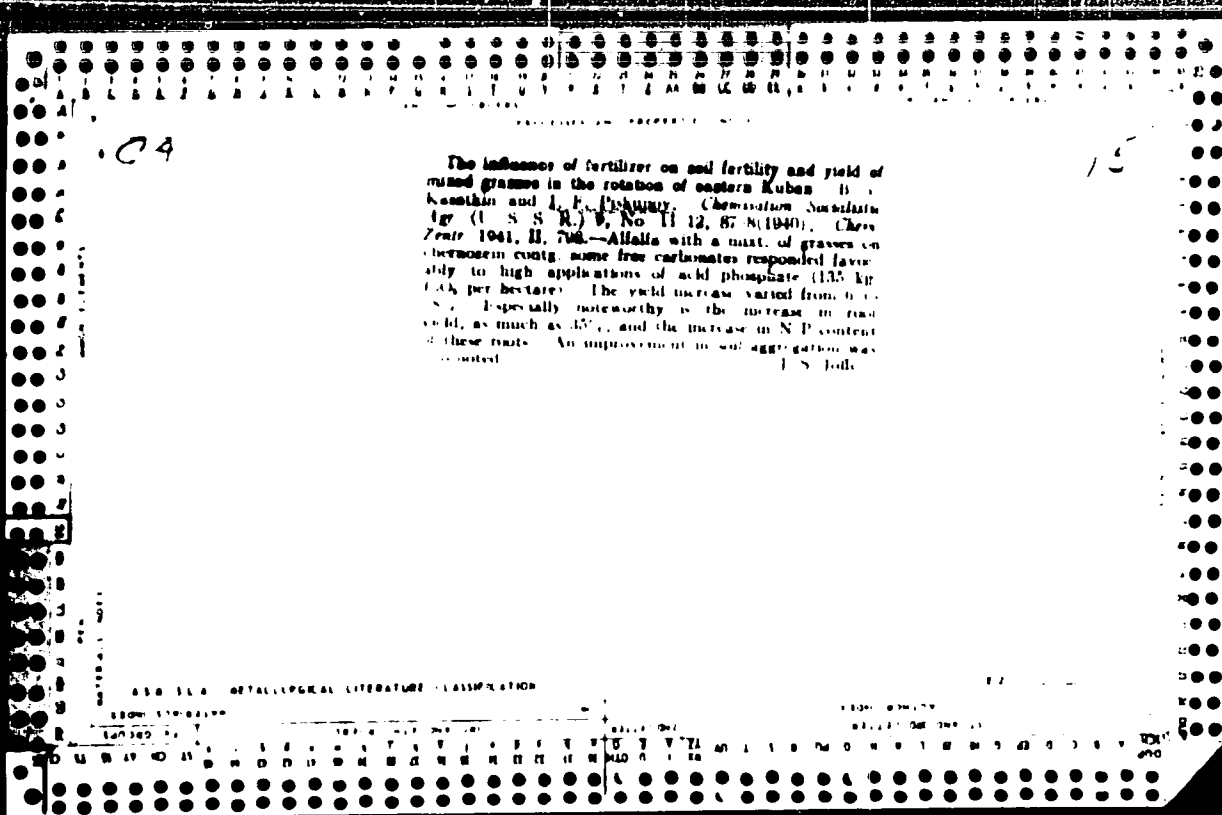
Food relationships of some commercial fishes in the Caspian Sea. Top.
ikht. 1 no. 1:79-88 '61. (MIRA 14:5)

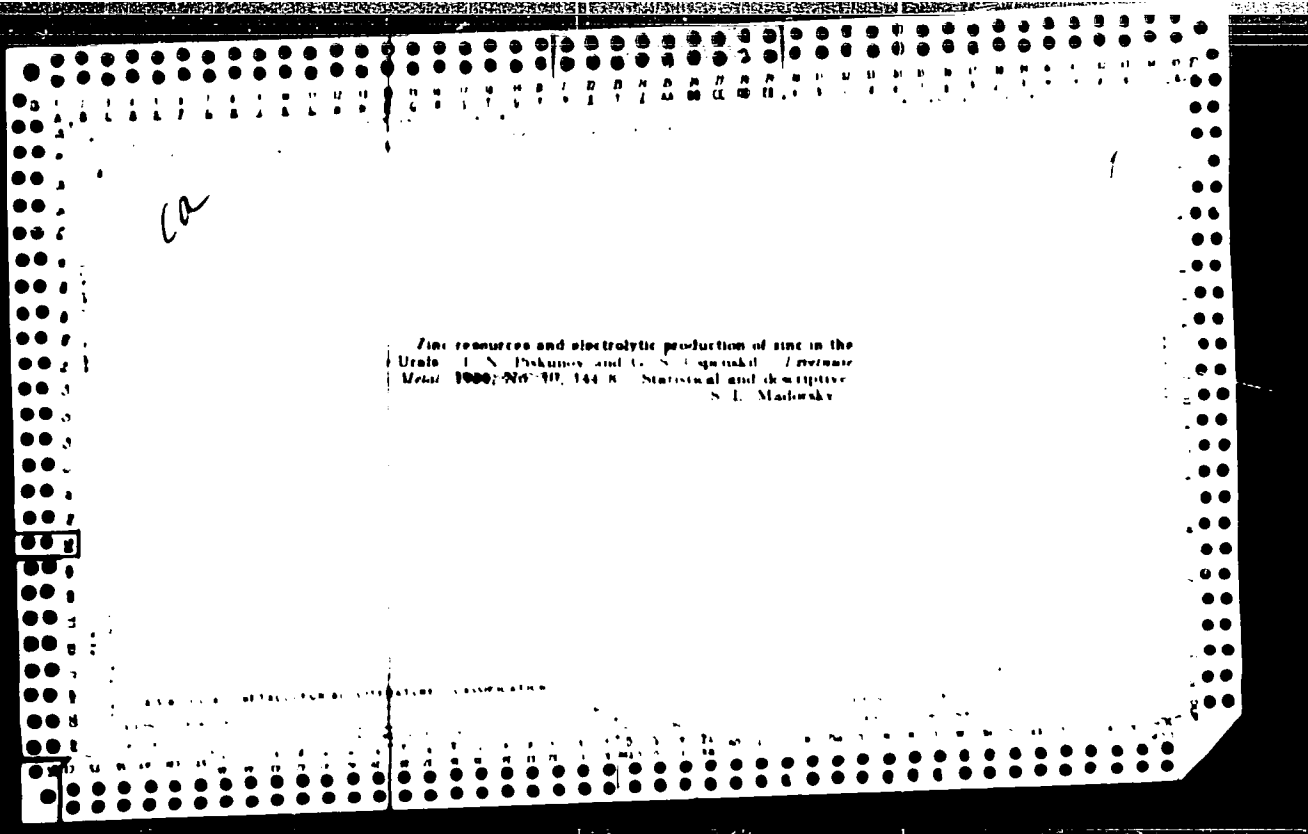
1. Kaspiyskiy nauchno-issledovatel'skiy institut rybnogo khozyaystva
i okeanografii.
(Caspian Sea--Fishes--Food) (Herring)

PISKUNOV, I.A.

Food relationships of some species of fishes in the Caspian Sea.
Vop. ekol. 6:163-165 '62. MIRA 1962

1. Kaspiyskiy nauchno-issledovatel'skiy institut morskogo rybnogo
khozyaystva i okeanografi, Astrakhan'.
(Caspian Sea--Fishes--Food)





PISKUNOV, I.N.

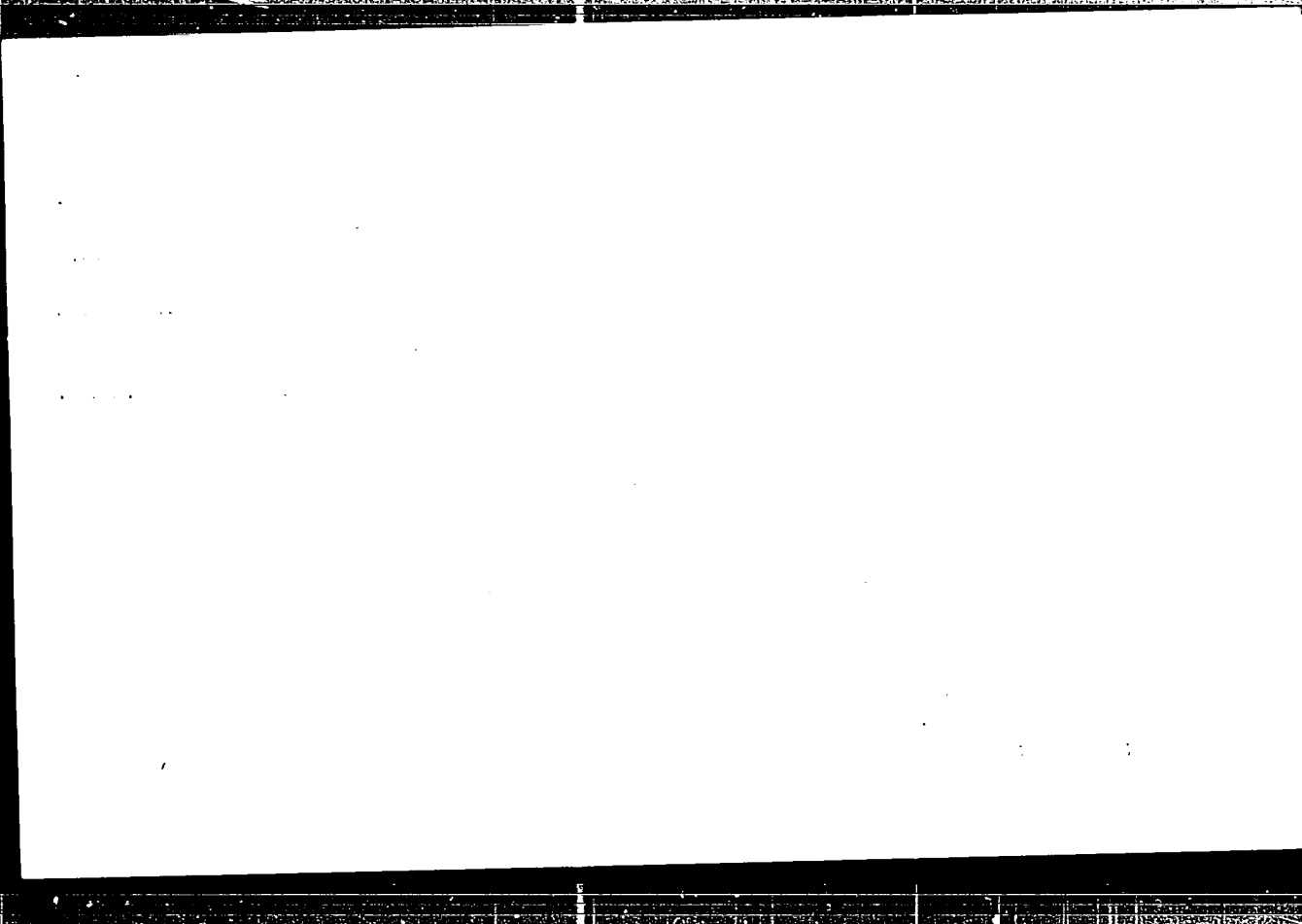
Regularities in the oxidation of iron sulfide. Izv. vuz. tsvet. zav.; tsvet. met. 4 no.6 48-57 '61. (USSR 1961)

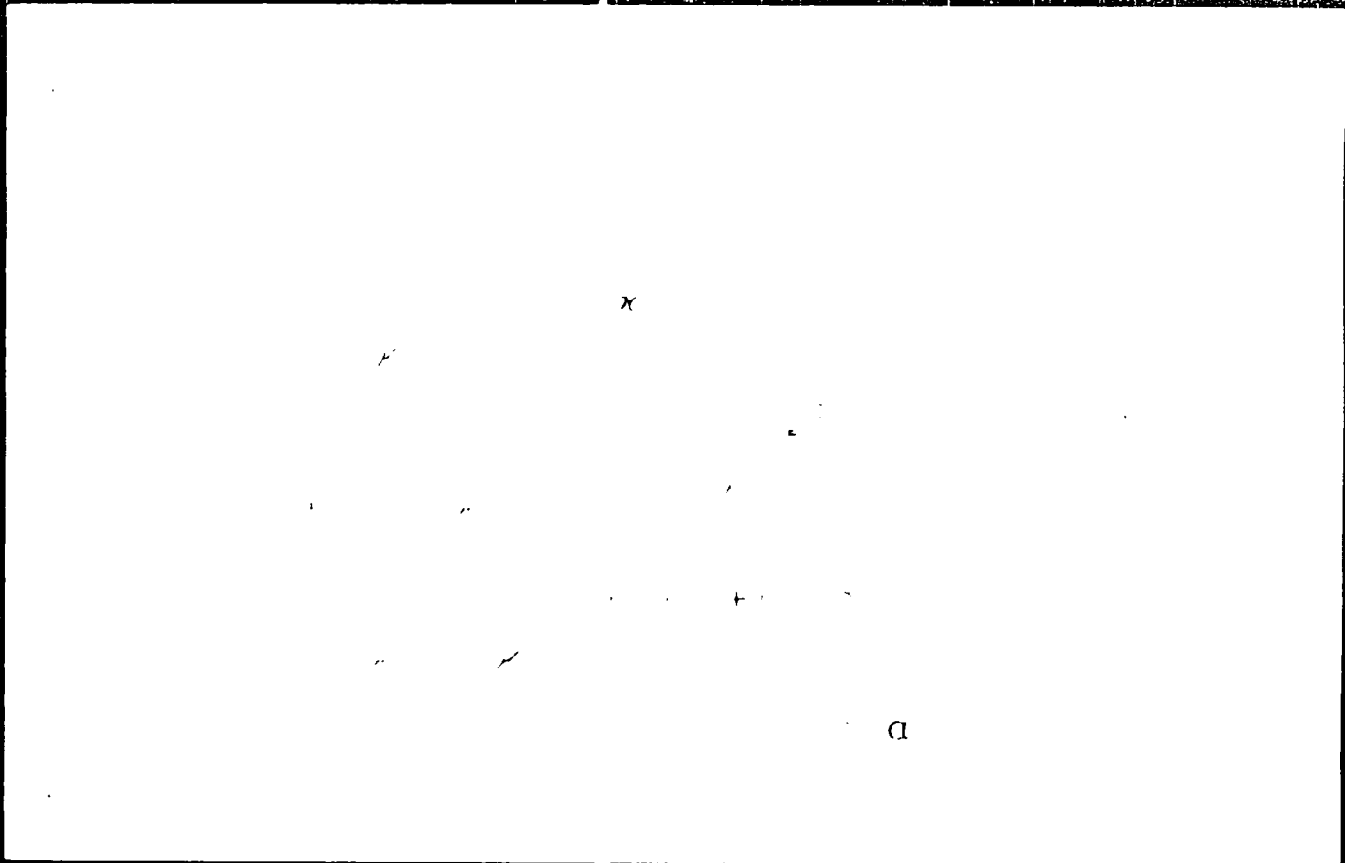
1. Leningrad gornyy institut, kafedra metallurgii tyazhelykh tsvetnykh i blagorodnykh metallov.
(Sulfides—Metallurgy)
(Iron sulfide)

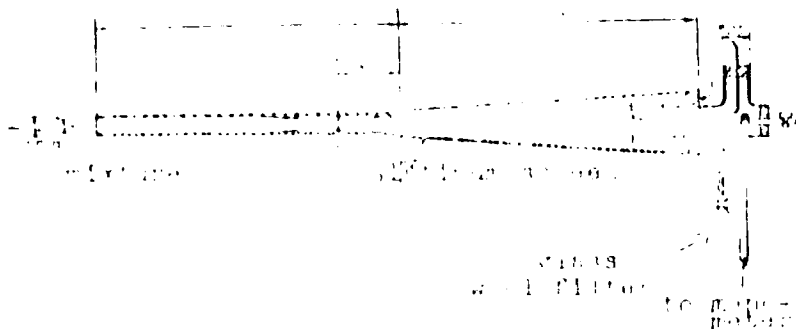
PISKUNOV, I. N.

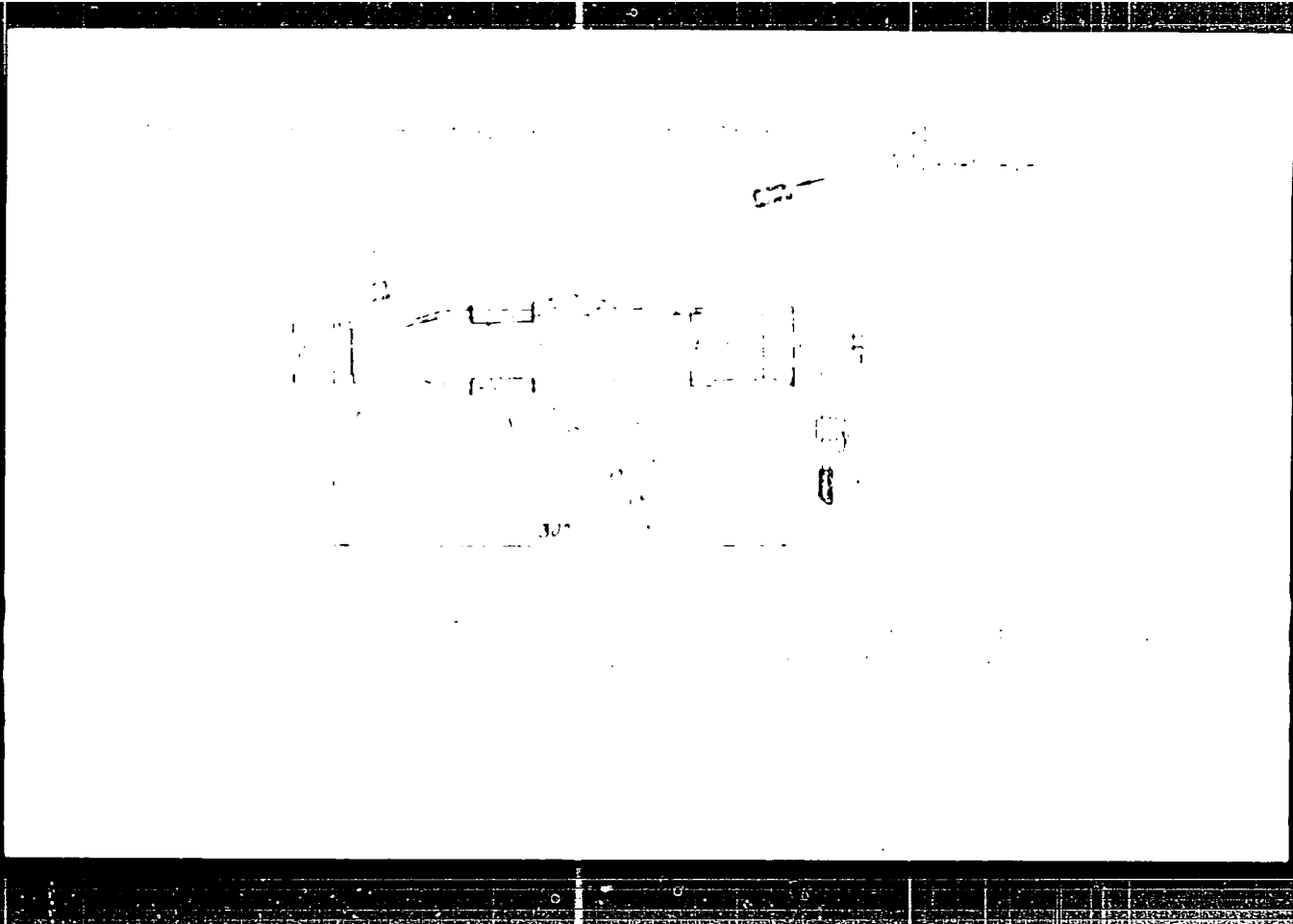
Shape of the vertical cross section of furnaces of the roasting of
sulfide materials in a fluidized bed. TSvet. met. 34 no. 4:17-20
Ap '61. (MIRA 14:4)

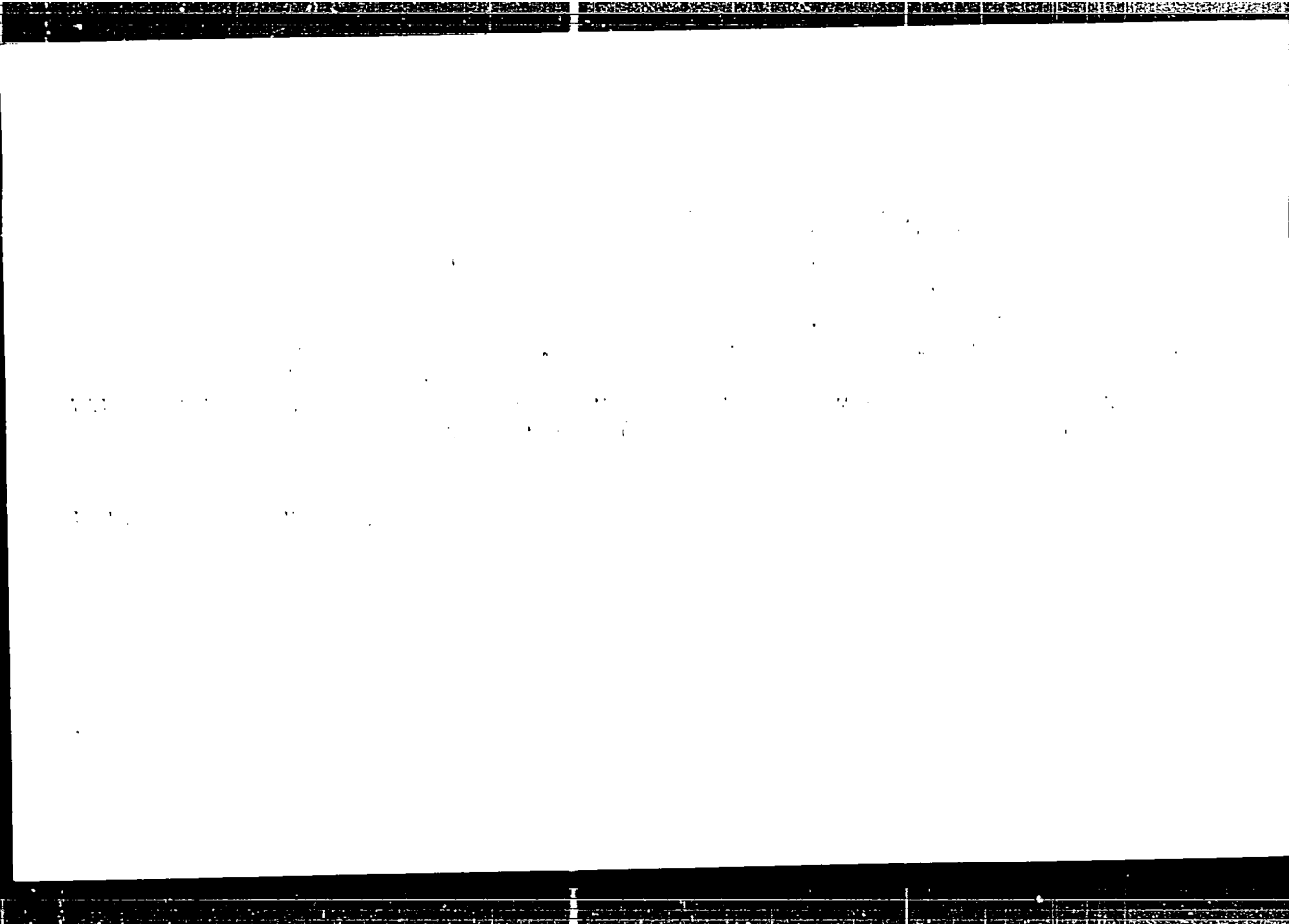
(Ore dressing) (Metallurgical furnaces)

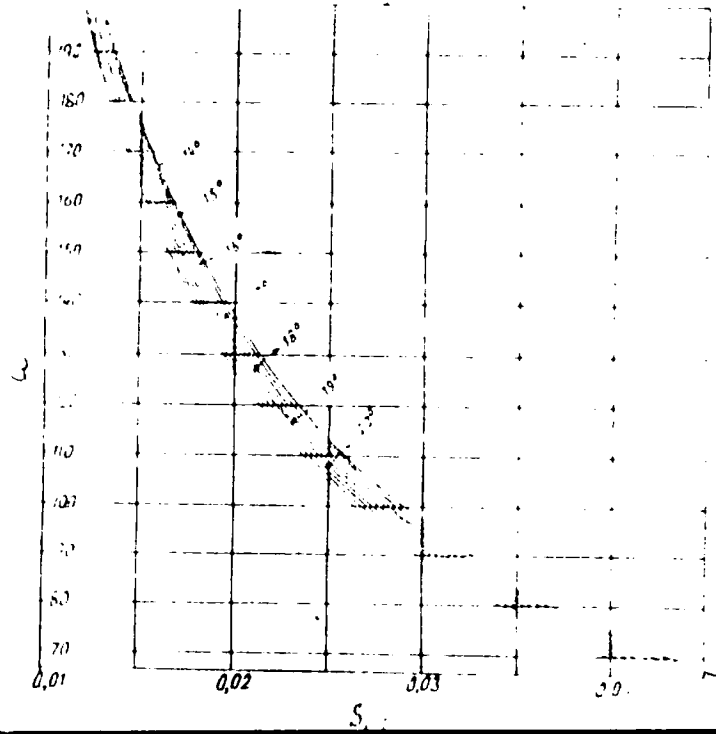












PISKUNOV, I.N.

Effect of SO_3 and H_2SO_4 vapors on the oxidation of FeS. *Izv.vyb. ucheb.zav.; tsvet.met.* 5 no.1:68-73 '62. (MIRA 15:2)

1. Leningradskiy gornyy institut, kafedra metallurgii tyazhelykh tsvetnykh i blagorodnykh metallov.
(Iron sulfide--Metallurgy)

ORLOV, A.K., PISKUNOV, I.N.

Regularities of the process of sublimation of cobalt from
pyrite concentration dress. Zap. VUZ 22 no.3, 1979, p. 120

Sublimation of metals from pyrite concentration dress.
Ibid. 110-120

MI 4 10 10

AUTHORS: Piskalov, I.V., Kuznetsov, P.I., Kuznetsov, G.G.,
 Plokhotskiy, P.M., Chumachenko, K.M., Kuznetsov, I.I.

TITLE: A Device for Automatically Dipping Articles into
 Coloring Baths. (In Russian)

PERIODICAL: Byulleten' izobreteniya, 1984, No. 12, p. 1215

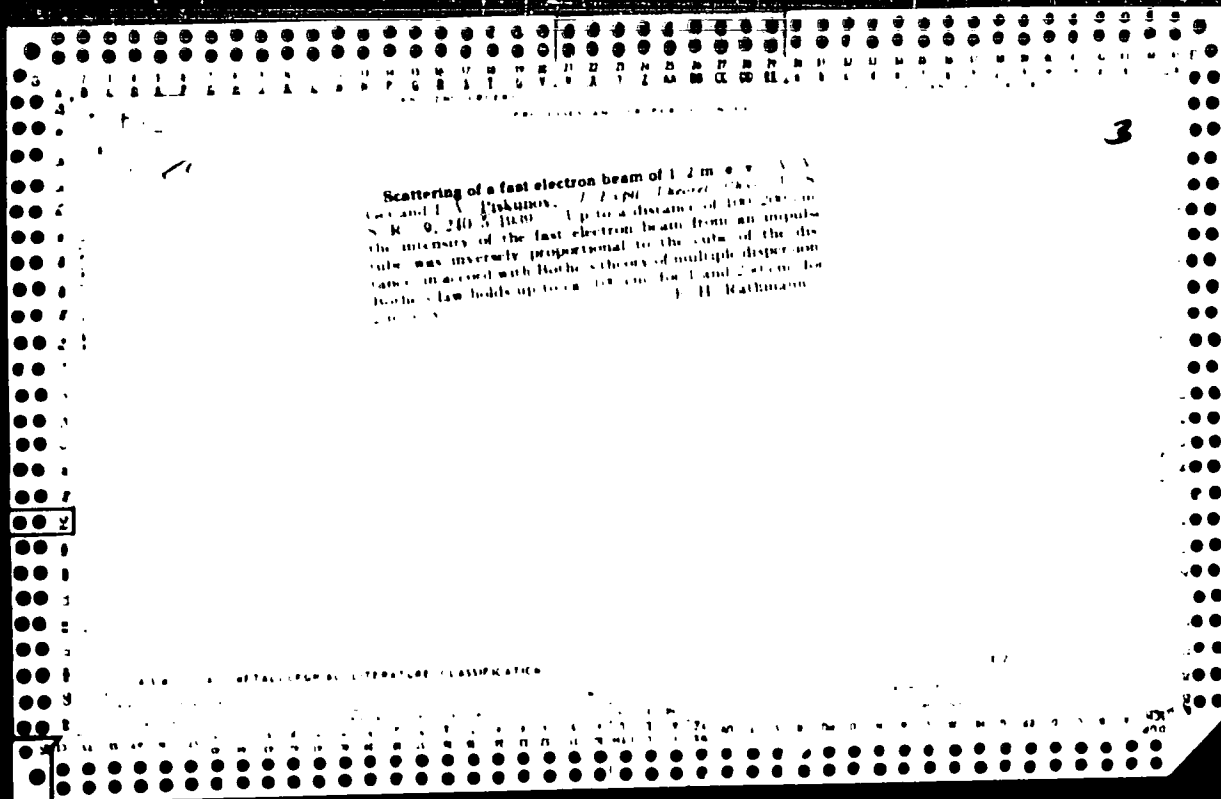
ABSTRACT: Class. No. 25/00. No. 12/84. Issued in 1984. Submitted to the Ministry of Agriculture, Tractor and Agricultural Machine Building of the USSR. An article is described which provides for dipping and attaching workpieces to a chain conveyor passing through a bath containing a liquid of two coaxially mounted rollers. The rollers are a carriage, with a roller on the upper roller. In operation, the rollers rotate in opposite directions for picking up and attaching the workpieces, and the second provides with a stop and inspection for

Card 1 of 2

S. V. [unclear] [unclear]
A Device for Automatically Dipping Articles Into Oil or Grease Baths

workpieces vertically; the carriage bearing the cylinders on a bracket has two levers actuated by the conveyer and displacing the carriage together with the conveyer during reattachment of workpieces.

Car: 312



SLUTSKIY, I.I.; PISKUNOV, I.V.; STOCHIK, G.F.

New-type conveyer with a plane-parallel flow of materials and
automatic painting installation. Sel'khozmaschina no.9:26-29 S
'56. (MLBA 9:11)
(Conveying machinery) (Machinery--Painting)

SA

A 53
R

3641. Emission of an Impulse Tube from 1 to 3 kV. V. Gol,
 I. Piskunov and V. Seveljev. *J. of Exp. and Theor. Physics, U.S.S.R.*
 9, 4, pp. 244-244, 1969. *In Russian.*—The radiation of a discharge tube
 fed from an impulse generator was studied in the range from 1 to 3 kV,
 and the total radiation was found to increase as the cube of the applied
 impulse potential. Filtering of the radiation produced a sharp maximum
 in the soft region of the spectral distribution. The spatial anisotropy of
 the radiation from the tube could be explained by additional absorption of
 indirect rays in the antihathode. An approximate calculation based on
 Bethe and Heitler's theory (see Abstract 2411 (1934)) is in satisfactory
 agreement with the experimental data. D S

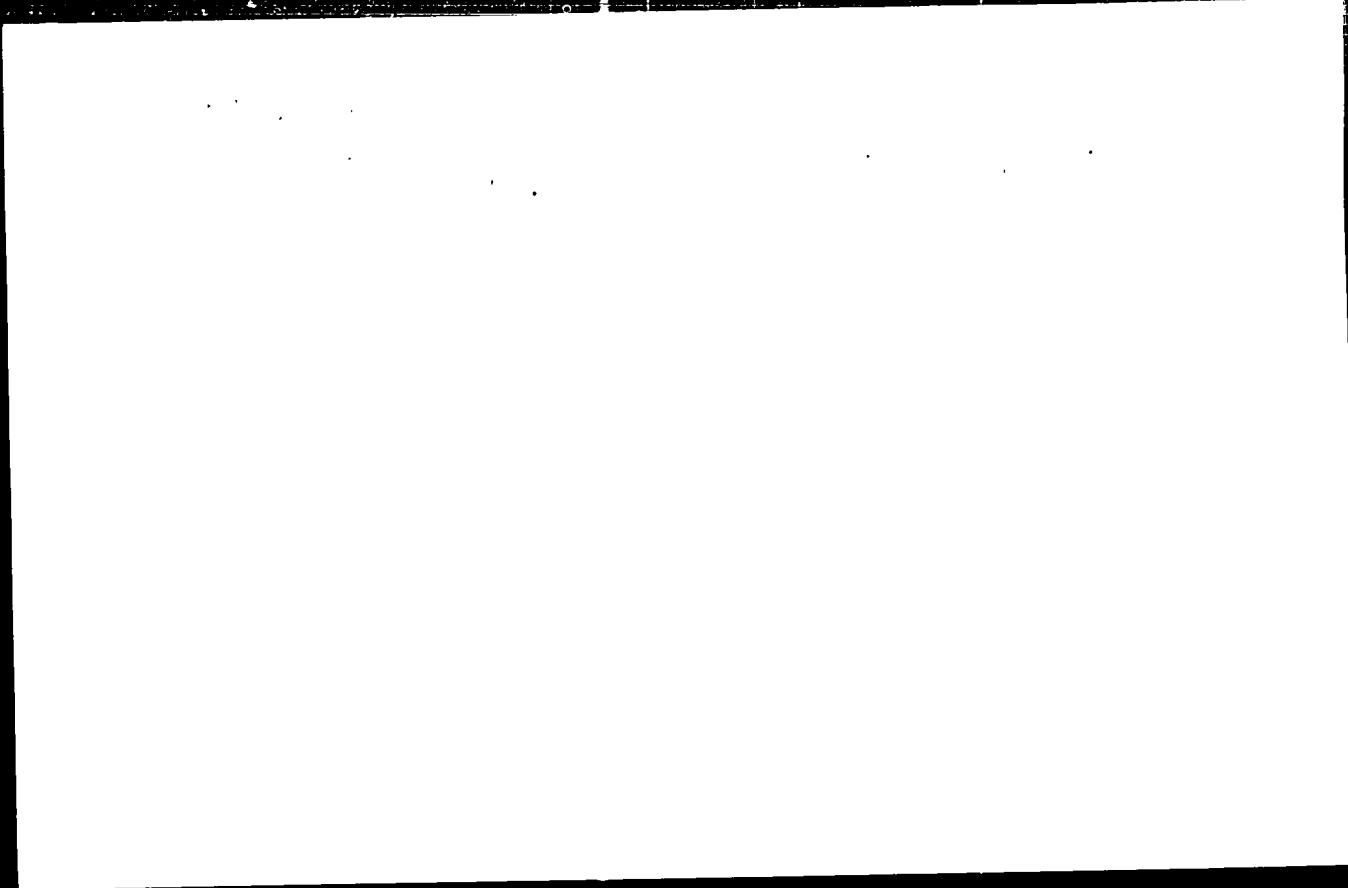
NIKOL'SKIY Ya.D. kand. veter. nauk; PISKUNOV, I.S., veterinarnyy vrach.

Nematodirus infestation in lambs. Veterinarita 41 no.6:60-
61 Je '64. (MIRA 18:6)

1. Saratovskaya nauchno-issledovatel'skaya veterinarnaya
stantsiya (for Nikol'skiy). 2. Balakovskaya rayonnaya
veterinarnaya laboratoriya (for Piskunov).

"APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R001341



APPROVED FOR RELEASE: Tuesday, August 01, 2000

CIA-RDP86-00513R0013411

PISKUNOV, L.I.

Study of relaxation phenomena. Izv.AN SSSR.Ser.geofiz. no.6:905-
909 Je 'cl. (MIRA 14:5)

1. Sverdlovskiy gornyy institut im. V.V.Vakhrusheva.
(Prospecting—Geophysical methods)

PISKUNOV, L.I., inzh. (Sverdlovskiy okrug; Gosgortekhnadzora).

Monograms for the calculation of electric blasting circuits.
Ger. zhur. no. 9:74-75 S 153. (MIRA 11:11)
(Blasting) (Electricity in mining)

AUTHOR: Piskunov, L.I. SOV/49-58-9-10/14

TITLE: ON the Quantitative Relationship Between Dielectric Permeability and the Specific Resistance of Rocks (O kolichestvennoy zavisimosti mezhdu dielektricheskoy pronitsayemost'yu i udelnym elektrosoprotivleniyem gornykh porod)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Geofizicheskaya 1958, Nr 9, pp 1133-1136 (USSR)

ABSTRACT: A.G. Tarkhov (Ref 1) has established a correlation between the permeability (ϵ) and the mineralogical constitution of rocks and has noticed a tendency for ϵ to increase as the specific resistance (ρ) decreases. The present article investigates the relationship between ϵ and ρ , using results already published (Ref 2-4). B.N. Dostovalov's results (Ref 2) have been expressed in the form $\rho = \varphi(\epsilon\rho)$ and this has been plotted logarithmically (Figure 1). It can be seen that a relationship $\lg \rho = \lg A + n \lg (\epsilon\rho)$ holds. A least-squares method gives $A = 1/1788$, $n = 4/3$, which means

Card 1/5

$$\epsilon = 275 \rho^{-3/4} \quad \rho = 5 \cdot 1/4$$

SOV/49-58-9-10/14

On the Quantitative Relationship Between Dielectric Permeability and the Specific Resistance of Rocks

(σ is the specific conductivity in $\text{ohm}^{-1} \text{cm}^{-1}$)
A comparison of measurements (Ref 2) with the calculated values indicates satisfactory agreement (Table 1). These laboratory measurements used A.A. Ietrov's method at a frequency $f \approx 3.1 \text{ Mc/s}$. Further confirmation of the relation can be obtained from A.V. Veshov's results for ϵ and σ made in the frequency range:

$$10^4 < f < 10^8 \text{ cps (Ref 3).}$$

He suggested the empirical relation:

$$\sigma = af^b \tag{1}$$

(a and b constant for a given material). He also obtained:

$$\epsilon = a_1 - b_1 \lg f \tag{2}$$

which gives:

Card 2/5

On the Quantitative Relationship between Dielectric Permittivity and the Specific Resistance of Rock 307/49-58-9-10/14

$$\epsilon \rho^{1/b} = \frac{a_1 - 2.58 f}{a - \lambda_1} = \text{const} \quad (5)$$

i.e. a relationship analogous to (4). Veshev states that b can vary from 0.5 $\leq b \leq 1.2$.

The author next gives values of κ which he has calculated from data in Ref 3 for a frequency of 3.1 Mc/s (Table 2). The measured and calculated results are of the same order of magnitude - the difference may be partly due to differences in moisture content.

A.G. Tarkhov (Ref 4) used the formula:

$$\eta = \frac{2\pi f}{c} \sqrt{\epsilon} \sqrt{\frac{1}{2} + \frac{1}{2} \sqrt{1 + \left(\frac{2\sigma^{1/2}}{\epsilon f}\right)^2}} \quad (6)$$

where η is the absorption coefficient for radio waves. This gives an equation for $\epsilon^{1/2}$ of the form (5) which

Card 3/5

SOV/49-58-9-10/14
The Quantitative Relationship Between dielectric Permeability and
the Specific Resistance of Rocks

if $f_1 \sim f_2$, reduces to:

$$\epsilon \rho^2 = \text{const} \quad (8)$$

i.e. the same form as Eq.(2). Hence, a general relationship between ϵ and ρ can be set up in the form:

$$\epsilon \rho^n = 4 \pi k \quad (9)$$

where $0 < n \leq 2$ and n and k depend on the material under test.

It should be noted that the above relation implies that as $\rho \rightarrow 0$, $\epsilon \rightarrow \infty$. It seems possible that the displacement current can be ignored in high-conductivity ores.

Recently, it has been suggested that ϵ for certain materials can vary from $4 \cdot 10^6$ (Ref 6). Although this is still only a preliminary analysis, it seems possible from the above empirical formula.

Card4/5

SOV/49-58-9-10/14
The Quantitative relationship Between dielectric permeability and
the specific resistance of rocks

The author thanks A.S. Semenov for his assistance.
There are 1 figure, 2 tables and 6 references, 5 of which
are soviet and 1 English.

SUBMITTED: July 26, 1957

Card 5/5

~~PISKUNOV, I. I., inzh.~~

Grounding electrical installations used in geological surveying.
Bezop.truda v prom. 2 no.1:33 0 '56. (MIRA 11:11)
(Geological surveys) (Electric currents--Grounding)

Author: Miskolov, I.I., Engineer

TITLE: Nomographic Charts for Calculation of Electric Detonator Circuits
(Nemogrammy dlya rascheta elektrovzryvnykh setey)

ISSUE: Gornyy zhurnal, Nr 9, 1958, pp 74-75 (USSR)

ABSTRACT: To avoid mistakes when calculating the current which passes through each electric detonator, the author has prepared six nomographic charts for parallel and serial circuits. There are 2 nomograms and 1 Soviet reference.

ADDITIONAL: Sverdlovskiy okrug Gosgortekhnadzora (The Sverdlovsk district of the Gosgortekhnadzor)

1. Detonators--Electrical factors

Card 1 1

PISKUNOV, L.I.

Four-point device for field measurement of specific resistivity
of rock specimens. Razved. i okh. nedr 21 no. 3:41-44 My-Je '55.

(MLRA 9:12)

(Rocks--Electrical properties)

PISK'INOV, M., rabochiy, KATONS'KOBUKHA, V. (Leningrad), RAJ, VASCHIN, A.
(Leningrad)

That is the way we work. Izdatel'stvo, ... (MORA) ...

1. Sovkhoz "Miroslavskiy" Murskiy ...

PISKUNOV, M.

Educational aspects of students' work on collective farms. Politich.
obuch. no.6:89-90 Je '58. (MIRA 11:6)
(Field work (Educational method))

PISKUNOV, Moisey Abramovich; SHCHELOVANOV, N.M., prof., red.;
LANDAU-TYLKINA, S.P., kand. biol. nauk, red.; BUL'YAYEV, N.A.,
tekh. red.

[Anatomical and physiological bases for and treatment of
tongue-tie] Anatomno-fiziologicheskie osnovy i terapii kosno-
iazychiia. Pod red. N.M.Shchelovanova. Moskva, Medgiz, 1962.
162 p. (MIRA 15:6)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for
Shchelovanov).

(SPEECH, DISORDERS OF)

Doc Med Sci

PISKUNOV, M. A.

Dissertation: "Concerning the Mechanism and Therapy of Defective Speech."
13/10/50

Acad Med Sci USSR

SO Vechernyaya Moskva
Sum 71

PISKUNOV, M.I.

Specific and accompanying microflora in patients following resection of the lungs in tuberculosis. Probl.tub. no.1:106-111 '62.

(MIRA 15:8)

1. Iz 1-go legochnokhirurgicheskogo otdeleniya (zav. - prof. I.P. Shastin) i mikrobiologicheskoy laboratorii (zav. - kand. med.nauk T.N. Yashchenko) Moskovskogo nauchno-issledovatel'skogo instituta tuberkuleza (dir. - kand.med.nauk T.P. Mochalova, zam. direktora po nauchnoy chasti - prof. D.D. Aseyev) Ministerstva zdravookhraneniya RSFSR.

(LUNGS--SURGERY)

(TUBERCULOSIS)

PISKUNOV, M.Ye., aspirant.

Errors in precision leveling caused by the incorrect adjustment of
invar rods. Trudy MIIGAIK no.28:41-52 '57. (MIRA 11:1)

1. Kafedra prikladnoy geodesii Moskovskogo instituta inzhenerov geo-
desii, aerofotos"yemki i kartografii.
(Leveling)

MEDEVKIDEV, I.A.; PISKUNOV, M.I.

Dynamics of bacterial infection of the air in the operating room.
Sov.med. 18 no.6:9-11 Je '54. (MLRA 7:6)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (dir.-deystvitel'-nyi chlen Akademii meditsinskikh nauk SSSR prof. A.N.Bakulev) lechebnogo fakul'teta II Moskovskogo meditsinskogo instituta imeni I.V.Stalina.

(OPERATING ROOMS.

*bact. pollution of air)

(AIR POLLUTION,

*bact., in operating rooms)

PISKUNOV, M.M., inshener; IVANOV, A.A., inshener.

Transporting timber in mountainous areas. Mekh.trud.rab. 8 no.4:14-16
Je '54. (MLRA 7:6)
(Lumber--Transportation)

ISKRA V, ... " ...
...
... cal ...

PISKUNOV, M.U.

Teaching photoelectronics through extracurricular work.
Politekhn.obuch. no.10:44-47 0 '59. (MIRA 13:2)

1. Nauchno-issledovatel'skiy institut pedagogiki, Minsk.
(Photoelectricity--Study and teaching)

PISKUNOV, M.Ye., assistant

Observations on the stability of the deep-set bench mark of the
Moscow Institute of Geodetic, Aerial Survey and Cartographic
Engineers. Izv.vys.ucheb.zav.; geod. i aerof. no.5:107-116
1958. (MIRA 11:12)

1. Moskovskiy institut inzhenerov geodezii, aerofototsenyki i
kartografii.

(Bench marks)

3(4)

PHASE I BOOK EXPLOITATION

SOV, 2067

Moscow. Institut inzhenerov geodezii, aerofotos "yemki i kartografi

Trudy, vyp. 28 (Transactions of the Moscow Institute of Geodetic, Aerial Survey and Cartographic Engineers, Nr 28) Moscow, Geodezizdat, 1957. 110 p. 1,400 copies printed.

Ed.: A. I. Mazmishvili; Ed. of Publishing House: T. A. Shamrova; Tech. Ed.: V. V. Romanova.

PURPOSE: This collection of articles is intended for geodesists, photogrammetrists, and cartographers.

COVERAGE: This issue contains articles on geodetic surveying, photogrammetry, and cartography. The articles devoted to geodetic surveying discuss errors in precise leveling, an engineer level, and the speed of light in a vacuum. In the field of photogrammetry there are articles on camera tilt, the use of photos of two scales in densifying control, and the differential method of aerial triangulation. Two articles in cartography discuss

Card 1/3

Transactions of the Moscow (Cont.)

SOV/2067

Polish school atlases and the history of political administrative maps of the USSR. References accompany individual articles.

TABLE OF CONTENTS:

Torochkov, V. Yu. The Problem of Determining the Tilt Angle of the Optical Axis of an Aerial Camera During Flight	3
Dureyko, G. V. Engineer's Level of the Docent V.A. Belitsyn Design	27
Piskunov, M. Ye. Errors in Precise Leveling Caused by Incorrect Placement (Holding) of Invar Rods	41
Prilepin, M. T. The Most Probable Value of the Speed of Light in Vacuum	53
Fateyev, A. P. The Use of Aerial Photos of Two Scales for Densifying Horizontal and Vertical Control in Large Scale Surveys	61

Card 2/3

Transactions of the Moscow (Cont.)

SOV/2067

Kirillov, A. M. Polish School Atlases in Geography

71

Pedoruk, G. D. The Differential Method of Aerial Triangulation
Considering Side, Base and Azimuth Conditions

77

Bilich, Yu. S. Notes From the History of the Development of
Political Administrative Maps of the USSR

105

AVAILABLE: Library of Congress

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7-16-59

Card 3/3

PISKUNCV, M. Ye.

Cand Tech Sci - (diss) "Altitude geodesic basis for large-scale hydraulic installations complex." Moscow, 1961. 22 pp; with diagrams; (Ministry of Higher and Secondary Specialist Education, RSFSR, Moscow Inst of Ground Installations Engineers); 150 copies; price not given; (KL, 6-61 sup, 223)

SURNAME, Given Names

Country: Rumania

Academic Degrees:

Affiliation: *)

Source: Bucharest, Igiena, Vol IX, No 4, Sep-Oct 1961, pp 313-318.

Data: " The Influence of Some Environmental Factors on the Toxicity of Benzene and Monochlorobenzene."

Authors:

PISLARU, V., -Dr.-

GELERIU, Rodica, -Dr.-

PASCU, Iivia, -Chemist.-

*) Work performed at the Department of Hygiene and Vocational Diseases of the Medico-Pharmaceutical Institute (Catedra de Igiena a Muncii si Boli Profesionale IMP), Cluj.

090 001003

PIKUNOV, M.Ye., assistant

Effect of rod warping on the results of leveling. Izv.vys.
ucheb.zav.; geod.i aerof. no.5:77-84 '59. (MIRA 13:3)

1. Moskovskiy institut inzhenerov geodezii, aerofotoa"yanki i
kartografii.

(Leveling)

Expense be covered by Special Reports of W. ...
Situations of the **Tatlyzaki** International Development

structure ... water ...
to settling. For the ...
words, ...
at the **Tatlyzaki** ...
of the ...
placed upon the ...
formation ...
the ...
required ...
observation is ...
marks ...
the ...
of leveling ...
officers ...
traverses ...
stations. The observations of settling and of deflection
are ...
4 references, 4 of which are Soviet.

Card 2, 7

Br : [faint text] Tsinlyanskiy W [faint text]

A : [faint text] n [faint text]

Records of the Institute of Statistics, National Bureau of Economic Research, 1940-1945
Yale University, New Haven, Connecticut, U.S.A.
ASSISTANT PROFESSOR, Department of Economics, Yale University, Professor "Yanki"
M. S. ...
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...

PISKUNOV, M.Ye., assistant

Experience in observing the sinking of hydraulic structures of the TSimlyansk hydroelectric installation. Izv. vys. ucheb. zav.; geod. i aerof. no.4:49-68 '58. (MIRA 11:10)

1. Moskovskiy institut inzhenerov geodezii, aerofoto"yemki i kartografii.

(TSimlyansk Hydroelectric Power Station) (Geodesy)

3(4)

SOV 15: 19 19 19

AUTHOR: Iiskunov, M. Ye. assistant

TITLE: Effect of the Bending of Measuring Rods on the Results of Leveling

PERIODICAL: Izvestiya vysshikh tekhnicheskikh zavedeniy "Geodeziya i aerofotos"yemaa 1971, No. 1, pp. 17-14 (USSR)

ABSTRACT: In this article formulas are set up, which define the influence exercised by the bending of measuring rods on results of measurement. The following results from application and checking of these formulas. In making leveling work it was found necessary to fasten or attachment for the suspension and centering of a plummet in such a manner that point M and N (Fig. 1) are symmetrically arranged with respect to the end points of the rod. The two points should be as far as possible from each other. For leveling rods are to be provided with bearing sockets on which the center of the protective ring lies on the axis of the rod. In selecting rods for very precise leveling work it proved necessary to determine their bending limit. Leveling of first, second, third, and fourth order demands previous checking of the rods and the attachment of bearing sockets. There are 1 figure, 1 table, and 2 Soviet

Card 1,2