

ZHUKOV, V. F., GORBUNOV, B. P., KURYACHIY, A. N., KURDENKOV, L. I.,
RZHANITSYN, B. A.,

"Pre-construction thawing and strengthening of permafrost soils"

report to be submitted for the Intl. Conference on Permafrost, Purdue Univ.,
Lafayette, Indiana, 11-15 Nov 63

AM5015206

BOOK EXPLOITATION

UR/

Brattsov, L. A.; Zhukov, V. F., (Eds.)

Theory and practice of geocryology in construction; based on work experience in the eastern part of North Europe (Teoriya i praktika merzlotovedeniya v stroitel'stve; po opytu raboty v vostochnoy chasti Yevropeyskogo Severa) Moscow, Izd-vo "Nauka", 1965. 187 p. illus., biblio. Errata slip inserted. 1700 copies printed. At head of title: Akademiya nauk SSSR; Koni filial Gosstroy SSSR; Nauchno-issledovatel'skiy institut osnovaniy i podzemnykh sooruzheniy; Severnoye otdeleniye. Editor: V. I. Kondrat'yeva; Technical editors: Yu. V. Rylina, I. A. Makagonova

TOPIC TAGS: coal mining, frozen ground, geocryology, permafrost, thawed ground

PURPOSE AND COVERAGE: In this monograph, the characteristics of the frozen and thawed grounds of the Pechorsk coal basin, the methodology for special geocryologic surveys and research on structural objects, and different principles of construction in a real geocryologic setting and conditions for application of these principles are analyzed. Special chapters are devoted to problems of designing coal mines, analysis of the peculiarities of sinking a shaft, reinforce-

Card 1/3

UDC: 624.139.2.001.002

AM5015206

ment and exploitation of mine shafts, and the construction of surface shaft complexes. Experience with the Vorkutsk mine is presented especially fully. The monograph was prepared by a group of authors representing the Northern Division of the Scientific-Research Institute of Foundations and Underground Structures of The Office of State Construction (Severnnyy otdeleniye Nauchno-issledovatel'skogo instituta osnovaniy i podzemnykh sooruzheniy Gosstroya SSSR), the Koma filial AN SSSR, the Pechorskiy proyektnyy institut Kome sovnrarkhoza, and the Vorkutugol' and Pechorshakhstroy Kombinats. The authors of individual chapters and sections are as follows: S. A. Bakalov (Ch. VI), V. P. Belousov (Ch. VIII), L. A. Brattsev (Ch. IV, V, and VII, Sec. 7), V. M. Vodolazkin (Ch. I, Sec. 2 and 3; Ch. IX), V. N. Yeroshenko (Ch. VI, Sec. 7), V. F. Zhukov (Ch. I, Sec. 1, 4, and 7; Ch. V, Sec. 1, 2, and 3; Ch. VI), S. A. Luban (Ch. VI), L. A. Markisov (Ch. VI, Sec. 8), A. V. Nadezhdin (Ch. I, Sec. 5; Ch. V, Sec. 3; Ch. VII, Sec. 1 and 6; Ch. VIII), F. Ya. Novikov (Ch. VII, Sec. 1, 2, 3, 4, 5), V. D. Ponomarev (Ch. I, Sec. 6), G. D. Potashkov (Ch. I, Sec. 1, 2, and 3; Ch. V, Sec. 4), S. I. Rozhdestvenskiy (Ch. VI), S. V. Trofimov (Ch. VI, Sec. 2), I. R. Fel'dman (Ch. VI), D. O. Foygel' (Ch. VI, Sec. 9), L. N. Khrustalov (Ch. II, III), and L. I. Charuksayev (Ch. VI).

Card 2/3

AM5015206

TABLE OF CONTENTS:

Foreword -- 5

Ch. I. Characteristics of frozen and thawed grounds of the Pechorsk coal basin -- 7

Ch. II. Effect of construction work on the temperature conditions of permafrost grounds -- 27

Ch. III. Method of calculating the temperature field in grounds in a built-up territory -- 44

Ch. IV. Permafrost field tests for designing mine shafts -- 66

Ch. V. Engineering preparations of sections and land parcels preliminary to building -- 74

Ch. VI. Methods of building and conditions for their application -- 88

Ch. VII. Special characteristics of planning coal mines -- 118

Ch. VIII. Special characteristics of sinking, reinforcing, and exploiting mine shafts -- 144

Ch. IX. Problems for engineering-cryologic service on the use of buildings and structures -- 171
Literature -- 182

SUB CODE: 08 / SUBM DATE: 15Feb65 / ORID REF: 134 / OTH REF: 001

Card 3/3

MILLIONSHCHIKOV, M.D.; GVERDTSITELI, I.G.; ABRAMOV, A.S.; CORLOV, L.V.;
GUBANOV, Yu.D.; YEFREMOV, A.A.; ZHUKOV, V.F.; IVANOV, V.Ye.;
KOVYRZIN, V.K.; KOPELOV, Ye.A.; KOSOVSKIY, V.G.; KUKHARKIN,
N.Ye.; KUCHEROV, R.Ya.; LALYKIN, S.P.; MERKIN, V.I.; NECHAYEV,
Yu.A.; POZDNYAKOV, B.S.; PONOMAREV-STEPNOY, N.N.; SAMARIN, Ye.N.;
SEROV, V.Ya.; USOV, V.A.; FEDIN, V.G.; YAKOVLEV, V.V.; YAKUTOVICH,
M.V.; KHODAKOV, V.A.; KOMPANIYETS, G.V.

High-temperature reactor-converter "Romashka." Atom. energ.
17 no.5:329-335 N '64. (MIRA 17:12)

BAKALOV, S.A.; BELOUSOV, V.P.; BRATSEV, L.A.; VODOLAZKIN, V.M.;
YEROSHENKO, V.N.; ZHUKOV, V.F.; LUBAN, S.A.; MARKIZOV, L.P.;
NADEZHGIN, A.V.; NOVIKOV, F.Ya.; PONOMAREV, V.D.; POTRASHKOV,
G.D.; ROZHDESTVENSKIY, S.I.; TROFIMOV, S.V.; FEL'DMAN, I.R.;
FOYGEL', D.O.; KHRUSTALEV, L.N.; CHURUKSAYEV, I.I.;
KONDRAT'YEVA, V.I., red.

[Theory and practice in the study of frozen ground in construc-
tion] Teoriia i praktika merzlotovedeniia v stroitel'stve. Mo-
skva, Nauka, 1965. 187 p. (MIRA 18:4)

1. Moscow. Nauchno-issledovatel'skiy institut osnovaniy i pod-
zemnykh sooruzheniy. Severnoye otdeleniye.

21C

L 18316-65 EWO(j)/EWT(1)/EWP(e)/EWO(k)/EWT(m)/EPP(c)/EFF(n)-2/EPR/EEC(b)-2/EWP(b)
Pz-6/Pr-4/Ps-4/Pu-4 IJP(c)/APWL/SSD WW/AT/WH
ACCESSION NR: AP4049532 8/0089/64/017/005/0329/0335

AUTHOR: Millionshchikov, M. D.; Gverdtsiteli, I. G.; Abramov, A. S.; Gorlov, L. V.; Gubanov, Yu. D.; Yefremov, A. A.; Zhukov, V. F.; Ivanov, V. Ye.; Kovy*rzin, V. K.; Koptelov, Ye. A.; Kosovskiy, V. G.; Kukharkin, N. Ye.; Kucherov, R. Ya.; Laly*kin, S. P.; Merkin, V. I.; Nachayev, Yu. A.; Pozdnyakov, B. S.; Ponomarev-Stepnov, N. N.; Samarin, Ye. N.; Serov, V. Ya.; Usov, V. A.; Fedin, V. G.; Yakovlev, V. V.; Yakutovich, M. V.; Khodakov, V. A.; Kompaniyets, G. V.

TITLE: The "Romashka" high-temperature reactor-converter / 9

SOURCE: Atomnaya energiya, v. 17, no. 5, 1964, 329-335

TOPIC TAGS: nuclear power reactor, reactor feasibility study, re-search reactor, thermoelectric converter/Romashka

ABSTRACT: The authors briefly describe the construction, parameters, test results, and operating experience of the "Romashka" reactor-

Card 1/8

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ACCESSION NR: AP4049532

converter unit, which has been in operation at the Kurchatov Atomic Energy Institute since August 1964. The fuel used is uranium dioxide enriched to 90% U^{235} . Graphite and beryllium are used as reflectors. Electricity is generated by silicon-germanium semiconductor thermocouples distributed on the outer surface of the reflector and connected in four groups which can be connected in series or in parallel. The temperatures of the active zone and outer surface are 1770 and 1000C, respectively. The power ratings are 0.50-0.80 kW electric and 40 kW thermal, the maximum current (parallel connection) is 88 A, the neutron flux is 10^{13} neut/cm² sec in the center of the active zone and 7×10^{12} on its boundary. The reactor has a negative temperature reactivity coefficient. The equipment has high inherent stability and requires no external regulator, and little change was observed in the thermocouple properties after 2500 hours of operation. Tests on the equipment parameters are continuing, and the results are being analyzed for use in future designs. Orig. art. has: 8 figures and 1 formula.

Card 2/3

66338

SOV/181-1-10-13/21

~~24(6)~~ 24.7700

AUTHORS: Kirvalidze, I. D., Zhukov, V. F.

TITLE: On the Possibility of Producing Ohmic Contact on Silicon by Metal Rubbing During Dry Friction by Means of a Semiconductor

PERIODICAL: Fizika tverdogo tela, 1959, Vol 1, Nr 10, pp 1583 - 1586 (USSR)

ABSTRACT: The nickel end contacts were applied to silicon monocrystals of the n- and p-type (25.8.3 mm³) by precipitation on the cut crystal faces. Strips of Mo, Fe, brass, Sn, Ta, bronze, Ni, Cu, and Al were successively applied to the crystal faces parallel to the end contacts. This was done by metal rubbing in dry friction after the crystal faces had been purified by cutting (granulation: 200) or etching (10% KOH at 100°C). The diode characteristics were taken by the statistical method. A tungsten wire whose pointed or spherical end was pressed onto one of the metal strips, served as second electrode. The volt-ampere characteristics are graphically represented in figures 1-5. It was shown that it is possible to establish ohmic recombination contacts without preparatory cutting and

Card 1/2

4

On the Possibility of Producing Ohmic Contact on Silicon by Metal Rubbing During Dry Friction by Means of a Semiconductor

66338

SOV/181-1-10-13/21

scapling. The method permits simultaneous development of two processes, namely, metal rubbing and the formation of "disturbed layers". The latter contain a large number of minute cracks and mutually disoriented microblocks. Good ohmic contact is thus obtained in the "disturbed layers" on contact with metals because, as a result of structure defects, these layers contain much more recombination centers than the initial surface of the semiconductor. It is pointed out that I. V. Durnev assisted in measurements. There are 7 figures and 1 reference.

SUBMITTED: October 1, 1958

4

Card 2/2

Zhukov, V. F.

81946
S/181/60/002/04/04/034
B002/B063

24.7700

AUTHORS:

Kirvalidze, I. D., Zhukov, V. F.

21

TITLE:

The Influence of Heat Treatment on the Electric Properties
of p-Type Silicon 21

PERIODICAL: Fizika tverdogo tela, 1960, Vol. 2, No. 4, pp. 571-574

TEXT: The influence of heat treatment on the resistivity and carrier concentration was studied on ten single crystals of p-type silicon. The crystals were grown in rotating quartz crucibles or by zone melting. Samples 25 x 6 x 3 mm were cut from these crystals, polished with electrolytically produced artificial corundum (granularity No. 280), and etched in 10% KOH. The samples were heated to 800°C for six minutes, and then quenched in vacuum diffusion oil. Resistivity was measured by the compensation method with two tungsten probes. The resistivity of all samples was considerably increased after quenching (Table 1), with a gradual decrease at room temperature. Fig. 1 shows the course of resistivity during 24 hours. This decrease takes place even at 77°K (Fig. 2), although it proceeds more slowly. One sample was heated six times to 800°C and

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Card 1/2

The Influence of Heat Treatment on the Electric
Properties of p-Type Silicon

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quenched, and in the meantime, it was tempered at 100°C for one hour. The maximum resistivity was found after the second quenching (Table 2). Another sample had previously been tempered at 1200°C for eight hours; heating to 800°C and quenching only led to a slightly increased resistivity. The irreversible process occurring on tempering at 1200°C can be attributed to 1) the disappearance of defects formed when the crystal was grown; 2) loss or acquisition of impurities; 3) "activity" loss of some foreign atoms by reaction with oxygen. The resistivity of n-type silicon samples is not increased by heating or quenching. There are 2 figures, 2 tables, and 15 references: 1 Soviet, 7 American, 5 British, 1 German, and 1 Japanese.

ASSOCIATION: Fiziko-tekhnicheskii institut AN Gruzinskoy SSR
(Physicotechnical Institute of the AS of the Gruzinskaya SSR)

SUBMITTED: June 15, 1959

Card 2/2

POKROVSKAYA, M.P.; KRASKINA, N.A.; GUTOROVA, N.M.; LEVENSON, V.I.; ZHUKOV,
V.G.; ALLILUYEV, A.P.

Cytologic study of the process of recovery in animals immunized
by Vi antigen and infected by virulent typhoid fever bacilli.
Zhur. mikrobiol., epid. i immun. 40 no.9:79-82 S'63.

(MIRA 17:5)

1. Iz Moskovskogo instituta epidemiologii i mikrobiologii.

POKROVSKAYA, M.P.; KRASKINA, N.A.; GUTOROVA, N.M.; LEVENSON, V.I.; ZHUKOV, V.G.
ALLILUYEV, A.P.

Cytological study of the process of immunogenesis following administration
of the Vi-antigen of typhoid fever bacteria. Report No. 1. Zhur.
mikrobiol., epid. i immun. 40 no. 8:9-14 Ag '63. (MIRA 17:9)

1. Iz Moskovskogo instituta epidemiologii i mikrobiologii.

ZHUKOV, V.G.; MINEYEVA, A.N.

Some problems of the interrelationship between the electric activity of the brain and muscles in man. Nauch.dokl.vys.shkoly; biol.nauki no.2:83-86 '63. (MIRA 16:4)

1. Rekomendovana kafedroy fiziologii cheloveka i zivotnykh Ural'skogo gosudarstvennogo universiteta im. A.M.Gor'kogo. (ELECTROENCEPHALOGRAPHY) (ELECTROPHYSIOLOGY)

ZHUKOV, V.G.; NAVASHIN, S.M.

Study of the toxicity of some semisynthetic penicillins in tissue culture. Antibiotiki 10 no.2:141-147 F '65.

(MIRA 18:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov, Moskva.

PATRUSHEV, V.I. [deceased]; ZHUKOV, V.G.

Physiology of attention. Vop. psikhol. 8 no.5:70-74 9-0 '62.
(MIRA 16:5)

1. Ural'skiy universitet imeni A.M.Gor'kogo, Sverdlovsk.
(Attention) (Psychology, Physiological)

ZHUKOV, V.G.; LEVIN, Yu.S.; RYBIN, I.A.

Energy analysis of the electrical activity of the human eye.
Biofizika 8 no.4:498-501 '63.

(MIRA 17:10)

1. Ural'skiy gosudarstvennyy universitet imeni Gor'kogo, Sverdlovsk.

ZHUKOV, V.G.

Cardiologarithmic rule. Uch.zap.UrGU no.31:37-39 '59.

(Electrocardiography)

(Slide rule)

(MIRA 14:5)

L 2/106-66 EWT(1)/T JK

ACC NR: AP6014660

SOURCE CODE: UR/0297/65/010/002/0141/0147

AUTHOR: Zhukov, V. G.; Navashin, S. M.

ORG: All-Union Scientific Research Institute of Antibiotics, Moscow (Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov)

TITLE: Investigation of the toxicity of certain semisynthetic penicillins in tissue culture

SOURCE: Antibiotiki, v. 10, no. 2, 1965, 141-147

TOPIC TAGS: penicillin, toxicology, nonmetallic organic derivative

ABSTRACT: A comparative study of the toxicity of oxacillin, ampicillin, and methycillin -- semisynthetic penicillins, and a comparison of their toxicity with that of the sodium and potassium salts of benzylpenicillin and phenoxymethylpenicillin were conducted. The following tissue cultures were used in the investigations: a) transplantable strains of the cells of human amnion and the epithelium of the renal organs of a human embryo; b) preliminarily trypsinized cultures of fibroblast cells of a hen's embryo and the kidney of a primate. The cells in test tubes were incubated for a period of 48 hours and were then replaced by fresh cells with the serum removed and antibiotics in various concentrations added. The results were calculated within one to four days after the addition of the antibiotics by counting the cells removed from the surface of the glass tubes. The investigations established that the semisynthetic penicillins -- oxacillin, ampicillin, and methycillin -- are little toxic in human tissue culture;

Card 1/2

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ACC NR: AP6014660

ampicillin and methycillin are considerably less toxic than the Na salt of benzylpenicillin; oxacillin is close to the sodium salt of benzylpenicillin in toxicity, but is considerably less toxic than the K salt of either benzylpenicillin or phenoxymethylpenicillin. It is the authors' opinion that the method of evaluating the toxicity of the antibiotics in tissue culture described in the article could be applied for the differentiation of relatively close properties of semisynthetic penicillins. Orig. art. has: 2 figures and 4 tables. [JPRS]

SUB CODE: 06, 07 / SUBM DATE: 19May64 / ORIG REF: 008 / OTH REF: 006

Card 2/2 *SW*

ZHUKOV, V.I.; STEPANOV, L.P.; CHASOVNIKOV, A.A.

Automatic measuring tank designed by the All-Union Scientific
Research Institute of Metrology. Trudy VNIIM no.19:76-83 '52.
(Flowmeters) (MIRA 11:6)

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002064920018-9

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002064920018-9"

ZHUKOV, V.I., inzhener; KHRAMIKHIN, F.G., kandidat tekhnicheskikh nauk;
TSIKHERMAN, L.Ya., kandidat tekhnicheskikh nauk, nauchnyy redaktor;
GOLUBENKOVA, L.A., redaktor; PERSON, M.N., tekhnicheskiiy redaktor

[Bituminous insulation of underground pipelines] Bitumnaia izollatsiia podzemnykh truboprovodov. Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekture, 1954. 119 p. (MLRA 7:9)
(Pipe) (Corrosion and anticorrosives)
(Bitumen)

Zhukov, V.I.

AID P - 1103

Subject : USSR/Physics

Card 1/1 Pub. 78 - 14/21

Authors : Mironov, S. A., Kuprianov, K. N. (deceased) and Zhukov, V. I.

Title : Improvements in anti-corrosion protection of underground pipe lines

Periodical : Neft. khoz., v. 32, #10, 70-73, 0 1954

Abstract : Various anti-corrosion protective measures are described, including the cathode method; coating by asphalt, plastic, glass and fiberglass textiles; antiseptic gum; mastics (anti-microorganisms and anti-rooting); hot coating; and a few others.

Institution : None

Submitted : No date

ZHUKOV, V.I.

"New Types of Insulating Materials for Piping" page 146
of the book Petroleum Bases and Pipe Lines, Gostoptekhzdat, 1956.

ZHUKOV, V.I., inzhener (Moskva); KOZLOVSKAYA, A.A., inzhener (Moskva).

Insulation work on main pipelines during the winter. Stroi.pred.
neft.prom. 1 no.6:4-7 Ag '56. (MIRA 9:9)
(Petroleum--Pipelines--Cold weather conditions)(Insulation (Heat))

~~ZHUKOV, V. I., inzhener.~~

Determining the humidity of the air in connection with winter
insulation operations. Stroi. pred. neft. prom. l no. 9:11-13 N '56.
(Insulation (Stat)) (MIRA 10:1)
(Petroleum--Pipelines)

ZHUKOV, V.I., inzhener; KOZLOVSKAYA, A.A., inzhener.

Electrometric method of determining the protective capacity of
bituminous insulation coatings. Trudy VNIISTROINEFT' no.8:34-51
'56. (MIRA 9:11)

(Electric measurements) (Protective coatings)

ANDREYEVA, Ye.A., kandidat khimicheskikh nauk; ZHIKOV, V.I., inzhener;
PAUKOV, A.D., inzhener; VALUYSKAYA, D.P., inzhener.

Effect of a superimposed continuous current on the bituminous
coating of steel pipelines. Trudy VNIISTROINEFT' no.8:52-80 '56.
(MLRA 9:11)
(Electrolytic corrosion) (Protective coatings) (Pipelines)

ZHUKOV, V.I., inzh. (Moskva); KOZLOVSKAYA, A.A., inzh. (Moskva)

Rubberizing coatings to be applied at temperatures above and
below freezing. Stroi.pred.neft.prom. 2 no.9:7-9 S '57.
(MIRA 12:5)

(Pipelines)

(Protective coatings)

ANDREYEVA, Ye.A.; ZHUKOV, V.I.; BULAYEV, V.I.; VALUYSKAYA, D.P.; KOMAROVA,
L.S., red.; DEMIDOV, Ya.P., tekhn.red.

[Bituminous coatings for cathode protection] Bitumnye pokrytiia v
usloviakh katodnoi zashchity; nauchnoe soobshchenie. Moskva, Otdel
nauchno-tekhn.informatsii, 1957. 13 p. (MIRA 11:2)
(Electrolytic corrosion) (Pipelines)

ZHUKOV, V.I., inzh.; KOZLOVSKAYA, A.A., inzh.

Protective pipeline coverings made from coal-tar pitch. Stroi.
pred. neft. prom. 3 no.3:3-6 Mr '58. (MIRA 11:6)
(Pitch) (Protective coatings) (Pipelines)

KOZLOVSKAYA, A.A., inzh; ZHUKOV, V.I., inzh.

Bitumen-rubber protective coatings for pipelines. Stroi. truboprov.
3 no.8:14-16 Ag '58. (MIRA 11:11)
(Protective coatings) (Pipelines)

ZHUKOV, V.I.; ZUN PO [Zung P'o]

Cranial osteomas. Vop.otorin. 21 no.6:62-65 N-D '59.

(MIRA 13:4)

1. Iz gospitalya kitaysko-sovetskoy družby v Pekine, Kitayskaya
Narodnaya Respublika.

(SKULL, neoplasms)

(OSTEOA)

NIKOLAYEV, S.I., red.; SALUKVADZE, V.S., red.; ANDRIANOV, K.I., red.; VASIL'YEV, A.Ye., red.; ZHIKHAREVA, G.P., red.; KRYLOV, P.I., red.; KSHONDZER, G.L., red.; KHRAMIKHIN, F.G., red. [deceased]; CHEREMISINOV, M.M., red. Prinimali uchastiye: ANUCHKIN, M.P., red.; GRIGOR'YEVA, M.B., red.; ZHUKOV, V.I., red.; KALYUZHNYI, N.G., red.; KAMERSHTEYN, A.G., red.; KOZLOVSKAYA, A.A., red.; LAVROVA, N.P., red.; NUSOV, G.I., red.; FAL'KEVICH, A.S., red.; YERSHOV, P.R., vedushchiy red.; FEDOTOVA, I.G., tekhn.red.

[Safety regulations for constructing steel pipelines] *Pravila tekhniki bezopasnosti pri stroitel'stve magistral'nykh stal'nykh truboprovodov.* Moskva, Gos.nauchno-tekhn.izd-vo nef. i gorno-toplivnoi lit-ry, 1960. 235 p. (MIRA 13:9)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye gazovoy promyshlennosti.
2. Vsesoyuznyy nauchno-issledovatel'skiy institut tverdykh splavov (for Anuchkin, Grigor'yeva, Zhukov, Kalyushnyy, Kamershteyn, Kozlovskaya, Lavrova, Nusov, Fal'kevich). (Pipelines) (Industrial safety)

ZHUKOV, V.I., inzh.

Underwater repair of pipeline coatings. Stroi.truboprov. 5 no.6:
19-20 Je '60. (MIRA 13:7)
(Protective coatings--Repairing)

ZHUKOV, V. I.

S/121/61/000/004/008/008
DO40/D113

AUTHOR: None given

TITLE: Dissertations

PERIODICAL: Stanki i instrument, no. 4, 1961, 44

TEXT: The following dissertations were presented for the degree of Candidate: A. Ya. Alyab'yev, at the Kiyevskiy ordena Lenina politekhnicheskii institut (Kiyev "Order of Lenin" Polytechnic Institute), "Investigation of faults occurring in grinding of aircraft frame and aircraft engine parts, and development of measures to prevent them"; I. Z. Bass, at the Moskovskiy avtomekhanicheskii institut (Moscow Automechanical Institute), "Investigation of the thread rolling process, and new rolling tool geometry"; Wang Ch'ih-hao, at the Moskovskiy stankoinstrumental'nyy institut im. I. V. Stalina (Moscow Institute of Machine Tools and Instruments im. I. V. Stalin), "Investigation of vibrations in a gear milling machine"; I. V. Pyshkin, at the Moskovskiy ordena Lenina energeticheskii institut (Moscow "Order of Lenin" Power Engineering Institute), "Problems of the theory and calculation of automatic control systems with pulse width modulation"; V. I. Zhukov, at the Moscow Institute of Machine Tools and Instruments im. I. V.

Card 1/2

Dissertations

S/121/61/000/004/008/008
D040/D113

Stalin, "Investigation of the rigidity of frames of semiautomatic lathes";
Ch'en Pao-ting, at the Moskovskoye ordena Lenina i ordena Trudovogo Kras-
nogo Znameni vyssheye tekhnicheskoye uchiishche im. N. E. Baumana (Moscow
"Order of Lenin and Order of the Red Banner of Labor" School of Higher Tech-
nical Education im. N. E. Bauman), "Investigation of the process of
tightening screw connections with mechanized tools".

Card 2/2

OBERTAS, V. (Sad-gorod Primorskiy); ZHUKOV, V.I.; KOZLOVSKAYA, A.A.

What methods exist for effective anticorrosion protection of submarine pipelines? Stroi. truboprov. 8 no.6:36 Je '63.
(MIRA 16:7)

1. Nachal'nik proyektnoy gruppy tresta Dal'energostroy (for Obertas).
2. Sotrudniki laboratorii izolyatsionnykh rabot Vsesoyuznogo nauchno-issledovatel'skogo instituta po stroitel'stvu magistral'nykh truboprovodov (for Zhukov, Kozlovskaya).
(Underwater pipelines)
(Corrosion and anticorrosives)

CHISTYAKOVA, N.V., inzh.; ZHUKOV, V.I.

Use of the MKh-30-1 dispersion for the finishing of "DOL"chrome
pigskins. Kozh. obuv. prom. 6 no.6:30-32 Je '64.

(MIRA 17:9)

Zhukov, V.I.

ZHUKOV, V.I.

Fibromatosis of the palatine tonsil. Vest.oto-rin. 19 no.4:95-96
Jl-Ag '57. (MIRA 10:11)

1. Iz kafedry bolezney ukha, gorla i nosa (zav. - prof. A.I. Fel'dman) Tsentral'nogo instituta usovershenstvovaniya vrachey na baze oto-laringologicheskogo otdeleniya (LORotdeleniya) Klinicheskoy infektsionnoy bol'nitsy No.2, Moskva.

(TONSILS, neoplasms

fibroma, surg.)

(FIBROMA

tonsillar, surg.)

17(12)

SOV/177-58-9-26/51

AUTHOR: Zhukov, V.I., Lieutenant-Colonel of the Medical Corps

TITLE: The Application of the Preparation ASD in Treating Dermatoses

PERIODICAL: Voyenno-meditsinskiy zhurnal, 1958, Nr 9, pp 77-78 (USSR)

ABSTRACT: The article deals with the use of preparation ASD - Dorogov's antiseptic stimulator - which belongs to the group of biological stimulators. It is prepared according to a special method from animal tissues. The author distinguishes fraction Nr 2 for internal use and fraction Nr 3 for external use. The preparation has some negative effects: flushing, excitation, pronounced burning and disagreeable odor. In order to reduce these negative properties, fraction Nr 3 has been used as a paste since 1955. Many authors, including A.A. Men'shov and A.S. Stasenko, obtained good results in treating eczema, epidermophytosis and neurodermites with the ASD-3 preparation.

Card 1/1

TSUN PO [TS'ung Po], ZHUKOV, N. I.

Foreign body of the neck penetrating through the pharynx.
Vest.oto-rin. 20 no.5:116-117 S-0 '58 (MIRA 11:12)

1. Iz gospitalya Sovetsko-Kitayskoy družby v Pekine (dir. - prof.
Chzhun Khue-lan [Chung Hue-lang])
(NECK, for bodies
transpharyngeal penetration by segment of pipe (Rus))
(PHARYNX, for bodies
intracervical transpharyngeal penetration of pipe
segment (Rus))

ZHUKOV, V.I.

Nongonorrheal inflammatory diseases of the urethra in males.
Vest. dern. i ven. 33 no.1:72-73 Ja-F '59. (MIRA 12:3)
(URETHRITIS
nongonorrheal (Rus))

ZHUKOV, V.I., polkovnik meditsinskoy sluzhby; ILYUSHKIN, N.I., podpolkovnik meditsinskoy sluzhby

Mass prevention of epidermophytosis of the foot. Voen.-med.
zhur. no.7:62-65 J1 '59. (MIRA 12:11)

(RINGWORM prev & control)
(ARMED FORCES PERSONNEL dis)
(FOOT dis)

ZHUKOV, V.I.

Changes in the clinical course of recent gonorrhoea. Vest. dermat. 1
ven. 34 no. 5:69-70 '60. (MIRA 14:1)
(GONORRHEA)

ZHUKOV, V.I., polkovnik meditsinskoy sluzhby

Use of radioactive phosphorus in some skin diseases. Voen.-
med. zhur. no.4:77-78 Ap '61. (MIRA 15:6)
(PHOSPHORUS--ISOTOPES) (SKIN--DISEASES)

ZHUKOV, V. I.

Post-trichomonal urethritis. Vest. dermat. i ven. no.6:51-56 '61.
(MIRA 15:4)

(URETHRA—DISEASES) (TRICHOMONIASIS)

ACC NR: AP6021600

(N)

SOURCE CODE: UR/0402/66/000/003/0379/0382

AUTHOR: Vasyuta, Yu. S.; Zhukov, V. I.

ORG: none

TITLE: Interprovincial conference on the study and prophylaxis of Omsk fever in the Ural and middle Volga regions

SOURCE: Voprosy virusologii, no. 3, 1966, 379-382

TOPIC TAGS: human ailment, disease diagnosis, Omsk fever, therapeutics, VIRUS DISEASE

ABSTRACT:

On 20—21 September 1965 in Ufa, the Institute for Polio-myelitis and Viral Encephalitis diseases of the Academy of Medical Sciences SSSR sponsored a conference on renal hemorrhagic fever (Omsk fever), in which participants from that and other institutes took part. General clinical and epidemiological reports were presented, along with an analysis of the 1964—65 outbreak. The need for interprovincial cooperation was stressed, especially in the area of rodent vector control, since the 1964-65 outbreak was connected with the presence of an unusually large number of ectoparasites that year. It was evident from the reports that the

Card 1/2

UDC: 616.61-002.151(063) (470.4-358:470.5) <<1965>>

ACC NR: AP6021600

Volga type of the disease was milder than the Siberian form.
N. I. Kandybin reported successful use of Isachenko 51 and
70 bacterial strains in controlling rodent populations, by
infecting them with murine typhus.

[WA-50; CBK No. 11]

SUB CODE: 06/ SUBM DATE: none

Card 2/2

ZHUKOV, V.I., inzh.; CHERNETSOV, P.P., kand. tekhn. nauk

Atmosphere-resistant coatings for insulating overground pipelines.
Trudy VNIIST no.17:52-66 '63.

Cold coatings for joints and the repair of the insulation of
underground and underwater pipelines. Ibid.:67-79
(MIRA 18:3)

CHISTYAKOVA, N.V.; ZHUKOV, V.I.; ZLOBINA, V.A.

Production of chrome shoe leather from the sides of cattle
hides. Kozh.-obuv. prom. 7 no.5:26-28 My '65. (MIRA 18:8)

BLYAKHER, G.G.; ZHUKOV, V.I.

Draw-in chuck holder. Mashinostroitel' no.1:27 Ja '65.
(MIRA 18:3)

ZHUKOV, V.I.

Mandrels designed by the innovators at the Kirov Plant. Mashino-
stroitel' no.11:25 N '63. (MIRA 16:11)

SHUBIN, A.Ye., kand.sel'skokhozyaystvennykh nauk, starshiy nauchnyy
sotrudnik; ZHUKOV, V.I., starshiy laborant

Fattening and supplementary feeding of Ramanov lambs. Zhivotnovod-
stvo.21 no.6:62-63 Je '59. (MIRA 12:8)

1. Severo-Zapadnyy nauchno-issledovatel'skiy institut sel'skogo
khozyaystva.
(Lambs--Feeding and feeding stuffs)

ZHUKOV, V.I.

Devices made by the innovators of the Kirov Plant. Mashino-
stroitel' no.1:28 Ja '63. (MIRA 16:2)
(Gauges)

S/264/62/000/010/003/006
006/1206

AUTHORS: Parvitskaya, A.A., Zhukov, V.I.

TITLE: On use of casein-cement glue in wooden aircraft structures

PERIODICAL: Referativnyy zhurnal. Vozdushnyy transport. Svodnyy tom. no. 10, 1962, 9, abstract 10A65. (Tr. Kazansk.khim. - tehnol. in-ta, 1961, 27, 224-238)

TEXT: Casein-cement glue, having practically equal strength coefficients with casein glue, differs from it by higher qualities with respect to humidity endurance, and besides it is cheaper. An experimental investigation of casein-cement glue has been carried out from the point of view of the possibility of its application in thin-walled aircraft structures instead of casein glue. Comparative tests were conducted on strength of glue joints with casein and casein-cement glue in static and dynamic splitting off. Strength characteristics of glue joints with each glue were obtained for plywood and pine wood. The investigations showed that casein-

Card 1/2

S/264/62/000/010/003/006
I006/I206

On use of cassein-cement...

cement glue is fully adequate for joining elements of wooden aircraft structures and has, with regard to operation, considerable advantages as compared with pure casein glue, having endurance to humidity and decay. ✓

[Abstracter's note: Complete translation.]

Card 2/2

ZHUKOV, V.K.

Wrench for removing and mounting the caterpillar treads of tractors.
Stroi. truboprov. 8 no.5:31 My '63. (MIRA 16:5)

1. Tsentral'naya remontnaya masterskaya tresta Promstroymaterialy,
Chelyabinsk.

(Tractors--Maintenance and repair)

ZHUKOV, V.M.

GAL'TSOV, A.P.; ZHUKOV, V.M.

Outline of climatic conditions in regions of experimental tea
cultivation in Central Asia. Trudy Glav.bot.sada 5:25-70 '56.
(MLRA 9:10)

(Asia, Central--Climate) (Tea)

GLAZUNOV, P.D., starshiy inzh.; DANILENKO, N.M., starshiy inzh.; ZHUKOV,
Y.K., starshiy inzh.; ZUYEV, A.I., obshchiy red.; ZOTOVA, A.P.,
red.; TIKHONOVA, I.M., sekhn.red.

[Efficiency-improving suggestions from agricultural machinery operators; practices of machinery operators on collective farms and state farms and at repair and improvement stations] Ratsionalizatorskie predlozhenia mekhanizatorov sel'skogo khoziaistva; iz opyta raboty mekhanizatorov kolkhozov, sovkhosov, remontno-tekhnicheskikh i meliorativnykh stantsii Leningradskoi oblasti. Leningrad, Lenizdat, 1959. 119 p. (MIRA 13:3)

1. Leningradskoye oblastnoye upravleniye sel'skogo khozyaystva (for Glazunov, Danilenko, Zhukov). 2. Glavnyy inzhener Leningradskogo oblastnogo upravleniya sel'skogo khozyaystva (for Zuyev). (Agricultural machinery)

L 16717-66

SOURCE CODE: UR/0381/66/000/002/0017

46
13

ACC NR: AP6023644

AUTHOR: Zhukov, V. K.; Dreyzin, V. E.; Leshchenko, I. G.

ORG: Tomsk Polytechnical Institute imeni S. M. Kirov (Tomskiy politekhnicheskii institut)

TITLE: An inductive-impedance pickup with a circular magnetoconductor

SOURCE: Defektoskopiya, no. 2, 1966, 14-22

TOPIC TAGS: measuring instrument, magnetic method, transmitter receiver, induced current, magnetometer, eddy current

ABSTRACT: A new type of eddy current pickup designed for the dimensioning of cylinders made of nonmagnetic materials is described. The circular magnetoconductor probe had either a single air gap or 2-diametrically displaced gaps. An exciting magnetic flux induced surface currents in the part to be measured, the values of which were correlated with the geometrical dimensions and electrical conductivity of the body. The analytical dependence between the parameters of nonmagnetic metallic cylinders and the impedance and emf of the pickup windings was derived mathematically. Vector equations are given for the potential of the electromagnetic field in cylinders (\dot{A}) and in the air gap (\dot{A}'') as functions of first and second series Bessel indices, cylinder dimensions and the vector potential of the exciting field in the air gap. Experiments were

UDC: 620.179.14

Card 1/2

ACC NR: AP6023644

carried out on bronze and copper cylinders of 6 and 3 mm diameter, respectively, using a ferrite ring with an external diameter of 55 mm, a $11 \times 12 \text{ mm}^2$ cross section and a relative permeability of 1000. The changes in pickup impedance are given as a function of dimension parameters and the results are compared to the calculated values. The effects of shielding and short-closed looping on the distribution of magnetic field strength are described. Circular magnetoconductors were found to be free of the deficiencies encountered in straight loop sections. The circular pickup also responded better to cross sectional cracks in the tested cylinders. A more uniform field was obtained by using selective shielding and short-closed looping in both types of pickups. Orig. art. has: 4 figures, 19 formulas.

SUB CODE: 14,09/ SUBM DATE: 25Nov65

Card 2/2 fv

S/050/61/000/004/004/004
B117/B212

AUTHOR: Zhukov, V. M.

TITLE: Results of the First All-Union Conference on Theoretical and Practical Application of Comprehensive Climatology

PERIODICAL: Meteorologiya i gidrologiya, no. 4, 1961, 58

TEXT: The author reports briefly on the First All-Union Conference on Theoretical and Practical Application of Comprehensive Climatology, which took place in Moscow in December 1960. This conference was convened by the otдел klimatologii Instituta geografii AN SSSR (Section of Climatology of the Institute of Geography, AS USSR) on the occasion of the 80th birthday and the 50th year of scientific activity of the well-known Soviet climatologist and creator of comprehensive climatology, the Corresponding Member AS USSR Yevgraf Yevgrafovich Fedorov. The purpose of the Conference was to exchange experience and information about the advance made in the theoretical and practical application of comprehensive climatology and also to work out plans and aims for future research. The Conference was attended by more than 100 representatives of institutes of the Academies of Sciences USSR and of Union

Card 1/2

also been pointed out.

ZHUKOV, V.M.

Results of the First-All-Union Conference on Problems in Theoretical
and Applied Use of Climatology. Meteor. i gidrol. no.4:58 Ap '61.
(MIRA 14:3)

(Climatology--Congresses)

ACCESSION NR: AP4038446 S/0294/64/002/002/0303/0304

AUTHOR: Zhukov, V. M. *Affiliation - Moscow Power Engineering Inst. as of 1965*

TITLE: All-Union conference on heat exchange and hydraulic resistance during motion of a two-phase stream in power-machinery and apparatus elements

SOURCE: Teplofizika vy*sokikh temperatur, v. 2, no. 2, 1964, 303-304

TOPIC TAGS: heat exchange, hydraulic resistance, flow through tube, critical load, hydrodynamics, condensed phase, boiling, free convection, evaporation

ABSTRACT: An All-Union Conference on Heat Exchange and Hydraulic Resistance of Two-Phase Flow in Power Machinery was held in Leningrad on 8--13 February 1964. It was called together by the Scientific Council on "High-Temperature Thermophysics" of AN SSSR, the State Committee of Heavy, Power and Transport Machine Building, and the

Card 1/4

51
ACCESSION NR: AP4038446

TsKTI im. I. I. Polzunova. Four hundred fifty representatives of 135 scientific research and design organizations, enterprises, and colleges participated. The papers delivered at the plenary sessions were devoted to the basic problems of heat exchange and hydrodynamics of two-phase systems: 1. Heat exchange in the case of film condensation of vapor on transverse-flow horizontal tubes (L. D. Berman, VTI, Moscow). 2. Methods of investigating the mechanism of heat exchange crisis during boiling (M. A. Sty*rikovich and Ye. I. Nes-truyeva, NIIVT, Moscow). 3. Critical heat flow in a homogeneous unsaturated liquid at large flow velocities (S. S. Kutateladze, L. I. Lenot'yev, V. N. Moskvicheva, L. S. Shtokolov, Siberian Department AN SSSR, Institute of Thermophysics). 4. Heat exchange and critical loads during boiling under free convection conditions (V. M. Borishan-skiy, TsKTI, Leningrad). 5. Critical thermal loads during flow of water in a steam-water mixture in pipes (V. Ye. Doroshchuk, VTI, Moscow). 6. Problems of hydrodynamics of two-phase mixtures (S. G. Teletov, Moscow). The remaining papers and communications were

Card 2/4

ACCESSION NR: AP4038446

grouped in three sections: Heat exchange during condensation and boiling, improvement of heat exchange and temperature conditions of evaporating heating surfaces, and hydraulics of a two-phase stream and a stream at supercritical pressure. The greatest interest in the first section was evoked by work on investigation of the boiling mechanism and condensation by high-speed motion picture photography, and the theory of heat exchange during condensation and boiling. The second session dealt with methods of investigating the crisis mechanism, methods of calculating critical heat flows, and factors affecting the occurrence of crisis and deterioration of heat exchange. The third session dealt also with stability of circulation and conditions for the occurrence of pulsational modes. The sessions were headed by B. S. Petukhov, S. G. Teletov, and S. A. Skvortsov. The participants made recommendations on the most urgent topics to be studied in connection with heat exchange and hydraulic resistance, including heat exchange during condensation of moving steam, heat exchange during condensation and boiling of many-component systems,

Card 3/4

51" ACCESSION NR: AP4038446

heat and mass exchange during condensation of steam from a steam-gas mixture, heat exchange during condensation of metal vapor and in the boiling of liquid metals, heat exchange in boiling and condensation under weightlessness and high-acceleration conditions, effect of the heating-surface state and what ability on heat exchange during condensation, the local structure of two-phase streams, and heat exchange at supercritical pressure.

ASSOCIATION: None

SUBMITTED: 00

DATE ACQ: 09Jun64

ENCL: 00

SUB CODE: ME, TD

NR REF SOV: 000

OTHER: 000

Card 4/4

ZHUKOV, V.M.

SOV/106-99-2-10/11

AUTHOR: None given

TITLE: Authors' Certificates (Avtorskiye evidetal'stva)

PERIODICAL: *Elektrosvyaz*, 1959, Nr 2, p 78 (USSR)

ABSTRACT: S.P. Khlebnikov and P.A. Ankeyev - "A Method of Fixing Magnetic Heads in Recording Equipment Using a Rigid Carrier"; G.V. Braude - "A Method for Compensating for Irregular Film Movement in Travelling Beam Tube Systems"; M.G. Garb and V.M. Sigalov - "A Method of Centralised Synchronisation"; D.M. Khanukhaya - "A Method of Synchronisation of Colour Television Receivers with Sequential Transmission of Colours by Fields"; S.I. Strétkov - "Trigger Apparatus"; A.I. Sappir - "A Method of Extraction of Pulses from Pulse Trains"; N.M. Korovyanskiy - "A Method for Reducing the Time of Ascertaining the Transfer Characteristic of a Television Channel"; Karl-Heinz Geisler and Hans Lemann (German Democrat Republic) - "Apparatus for Recording Television Talks"; S.I. Yevtykhov - "A Method of Increasing the Stability Factor of an Oscillator (Regime)"; V.M. Zhukov and G.G. Nachkova - "Apparatus for Obtaining Frequency Modulated Pulses"; Yu.I. Serebryakov - "A Method of Cancellation of Constant Radio-schemes"; L.F. Abrkova and M.Ye. Gertsenshteyn - "Co-axial Filters with Weak Coupling";

Card 1/2

7

ZHUKOV, V.M., kandi. geograf. nauk; POTAPOVA, I.S.

Eygraf Eygrafovich Fedorov, 1880-1966; an obituary. Mater.
i gidrol. no. 12:59 D '65. (MIRA 18:11)

L 47354-66 ENT(1) DW
ACC NR: AR6029449 SOURCE CODE: UR/0169/66/000/005/B060/B061

AUTHOR: Zhukov, V. M.

TITLE: Climate cis-Baykal and Trans-Baykal

SOURCE: Ref. zh. Geofizika, Abs. 5B402

REF SOURCE: Sb. Predbaykal'ye i Zabaykal'ye. M., Nauka, 1965, 91-126

TOPIC TAGS: climate, Lake Baykal climate, Lake Baykal area climate

ABSTRACT: The chapter entitled "Climate" discusses climate forming processes. Radiation-and-heat balance components are given for Lake Baykal and the adjacent land area. 53%—55% of the radiation heat is expended on evaporation of water from Lake Baykal, and 40%—45% on turbulent heat exchange. Atmospheric circulation is characterized by the predominance of western transfer, disturbed by meridional circulation processes (in 75% of the cases, according to the Dzerdze-yeveskiy typification). The relationship is analyzed between the effects exerted by the Atlantic and the Pacific, which result in monsoon activity and a change in the structure of the heat balance with an accompanying increase in the thermal

Card 1/2

UDC: 551, 582. 1(571. 5)

L 47354-66

ACC NR: AR6029449

gradient. The monsoons are shown to penetrate as far as Lake Baykal and the Lena River. The section entitled "Underlying Surface" discusses the effects of mountain-trough relief and the water mass of Lake Baykal on climate. The dependence of air temperature, air humidity, local winds, fogs, precipitation, and local weather on relief is analyzed. Weather maps and charts showing summary temperatures above 10C, annual precipitation, and snow cover are included. In winter, Lake Baykal exerts a warming influence on the climate, i. e., it gives off 16-18 kcal/cm² of heat per month; in summer, it exerts a cooling effect by absorbing approximately 10 kcal/cm² of heat per month, hindering the development of convective processes. The effect of Lake Baykal penetrates to the coast and the adjacent mountain slopes, giving rise to maritime climatic characteristics. Using sliding 10-year values, an analysis is made of changes in climate, whose moderating effect on the surrounding aridity has a beneficial effect on agriculture. The section entitled "Seasonal Characteristics" presents the regime of meteorological elements and local weather on the basis of the Chubukov-Fedorov method, as well as an evaluation of vegetation conditions, open air working conditions, and the development of resorts. Unfavorable climatic characteristics are described and practical recommendations are made for their modification. [Translation of abstract] [SP]

SUB CODE: 04/

Card 2/2

mt

ARTEMOV, Yu.M., kand. ekonom. nauk; GAL'PERIN, N.S., kand. ekon. nauk; GUBIN, B.V., kand. ekon. nauk; ZHUKOV, V.N., kand. ekon. nauk; OCHKOV, M.S., kand. ekon. nauk; OSKORDOV, V.P., starshiy ekonomist; BARGOL'STS, S.B., dotsent, kand. ekon. nauk; SIBIRYAKOV, L.Ye.; IVANOV, N.N.; RABINOVICH, M.A., ekspert; LIPSITS, V.B., kand. ekon. nauk; VOLKOV, S.I., kand. ekon. nauk; KOROLEVA, Ye.P., aspirantka; RYUMIN, S.M., red.; SUBBOTINA, K., red.; TELEGINA, T., tekhn. red.

[Planning and calculating the cost of industrial production] Voprosy planirovaniia i kal'kulirovaniia sebestoimosti promyshlennoi produktsii. Moskva, Gosfinizdat, 1961. 183 p. (MIRA 14:8)

1. Moscow. Nauchno-issledovatel'skiy finansovyy institut. 2. Sotrudniki Nauchno-issledovatel'skogo finansovogo instituta (for Artemov, Gal'perin, Gubin, Zhukov, Ochkov, Oskordov). 3. Vsesoyuznyy zaochnyy finansovo-ekonom. institut (for Bargol'ts). 4. Glavnyy bukhgalter Moskovskogo elektrozavoda (for Sibiriyakov). 5. Starshiy konsul'tant Upravleniya bukhgalterskogo ucheta Ministerstva finansov SSSR (for Ivanov, Rabinovich). 6. Nachal'nik podotdela obshchikh ekonomicheskikh voprosov tseonoobrazovaniya Byuro tseo pri Gosplane SSSR (Lipsits). 7. Moskovskiy ekonomiko-statisticheskii institut (for Koroleva)

(Costs, Industrial)

ZHUKOV, V.N., inzhener-mayor

"Antimissile missile" (according to data revealed by the foreign
press) by M.N.Nikolaev. Reviewed by V.N.Zhukov. Vest.Vozd.Fl.
no.6:83-85 Je '61. (MIRA 14:8)

(Antimissile missiles) (Nikolaev, M.N.)

PREOBRAZHENSKIY, V.S., kand.geogr.nauk; ZHUKOV, V.M., kand.geogr.
nauk; MUKHINA, L.I., kand.geogr.nauk; NEDESHEV, A.A., kand.
geogr.nauk; ALEKSANDROVA, T.D.; GOVSH, R.K., inzh.; LEYTES, A.M.,
nauchnyy sotr.; CHEKMENEV, V.Ye., red. izd-vn; TIKHOMIROVA, S.G.,
tekhn. red.

[Natural conditions of the reclamation of the northern part of
Chita Province] Prirodnye usloviia osvoeniia Severa Chitinskoi
oblasti. Moskva, Izd-vo Akad. nauk SSSR, 1962. 125 p.
(MIRA 15:7)

1. Akademiya nauk SSSR. Institut geografii. 2. Institut geografii
Akademii nauk SSSR (for Zhukov, Mukhina). 3. Zabaykal'skiy kom-
pleksnyy nauchno-issledovatel'skiy institut Sibirskogo otdeleniya
(for Nedeshev, Aleksandrova). 4. Zabaykal'skoye upravleniye
Gidrometeorologicheskoy sluzhby (for Govsh). 5. Institut geologii
Akademii nauk SSSR (for Leytes).
(Chita Province--Physical geography)

ZHUKOV, Viktor Markovich; BELYAKOVA, Z.I., red.

[Radio engineering; lectures on the section "Semiconductor electronics" for students of the IV and V courses specializing in : automatic control, remote control, and communications in railroad transportation] Radiotekhnika; lektsii po razdelu "Poluprovodnikovaia elektronika" dlia studentov IV i V kursov spetsial'nosti: avtomatika, telemekhanika i sviaz' na zheleznodorozhnom transporte (ET). Moskva, Vses. zaochnyi in-t inzhenerov zheleznodorozhnogo transporta, 1964. 59 p. (MIRA 18:3)

ZHUKOV, V.N., inzh.-podpolkovnik; KAPLAN, Ya.M.

[Mathematics in combat] Matematika v boiu. Moskva,
Voenizdat, 1965. 132 p. (MIRA 18:7)

L 27316-66

(A)

Monograph

URV
44
41
B-1

ACC NR: AMB000296

Zhukov, V. N. (Engineer, Lieutenant-Colonel), comp.

Mathematics in warfare (Matematika v boy). Moscow, Voenizdat V-Va ohon. SSSR, 1964.
132 p. illus., bibliog. 10,000 copies printed. Series note: "Matematika v armii".
biblioteka Voennoye izdatel'stva

TOPIC TAGS: military operation, cybernetics, computer applications, information theory, mathematics

PURPOSE AND COVERAGE: This book is intended for military and civilian readers including, among others, lecturers and teachers. It describes the development and use of mathematics in the military.

TABLE OF CONTENTS:

Introduction — 3

Captain 2nd class V. Abchuk, Candidate of Naval Sciences
Mathematics and modern war — 6

Engineer-Captain L. Kutsev, Candidate of Technical Sciences
Statistics and probability — 16

Card 1/2

L 27316-66

ACC NR: AM6000296

Engineer-Colonel N. Bazanov, Engineer-Colonel V. Vanevay
Information theory and command of troops -- 28

Captain 2nd class V. Abchuk, Candidate of Naval Sciences
What is the theory of search? -- 41

Engineer-Colonel P. Tkachenko, Candidate of Technical Sciences
A model of battle -- 47

Engineer-Major M. Goryainov
Theory of conflicting situations -- 63

Colonel V. Sinyak, Associate Professor, Candidate of Military Sciences
Computer at the command post -- 76

Engineer-Colonel P. Tkachenko, Candidate of Technical Sciences
Automation comes to headquarters -- 86

Engineer-Colonel P. Tkachenko, Candidate of Technical Sciences
Cybernetics forecasts -- 103

Engineer-Lieutenant Colonel A. Prokhorov
The machine and weapons -- 116

References: -- 127

2/2 SUB CODE: 09, 15/ SUBM DATE: 29Apr65/ ORIG REF: OLC

Operations Research 14

DANILYUK, V.A.; ~~ZHUKOV, V.N.~~; PANOV, G.I.; KUTSENKO, G.L.; LUGOVETS,
V.A.; NEKHONOV, N.A.; PORTNYAGIN, A.I.; RECHKIN, L.A.;
SEREGIN, V.P.; SIVTSOV, V.P.; KHOLODNOV, Yu.I.; MEL'NIKOV,
V.V., kand.tekhn.nauk, red.; KOZULIN, B., red.; CHERNIKHOV, Ya.,
tekhn. red.

[Radio amateur's handbook] Spravochnik radioliubitelia. Sverd-
lovsk, Sverdlovskoe knizhnoe izd-vo, 1962. 838 p.

(MIRA 15:8)

(Radio--Handbooks, manuals, etc.)

ZHUKOV, Vladimir Nikolayevich

Oruzhiye Aviatsii. Moskva, Moyaizdat, 1959.
133 p. illus., diags. (Nauchno-populyarnaya Biblioteka)

CHISTYAKOV, Leonid Sergeyevich; ZHUKOV, Valentin Nikolayevich; OVSIANNIKOV,
L.B., red.; NIKOLAYEVA, L.N., tekhn.red.

[Taxicabs in Moscow; experience of Moscow taxicab parks] Moskovskoe
taksi; iz opyta taksomotornykh parkov Moskvy. Moskva, Nauchno-tekhn.
izd-vo M-va avtomobil'nogo transporta i shosseinykh dorog RSFSR,
1960. 78 p. (MIRA 13:9)

(Moscow--Taxicabs)

ZHUKOV, Vladimir Nikolayevich; SHORIN, A.M., polkovnik, red.;
SOLOMONIK, H.L., tekhn.red.

[Airplane armament] Oruzhie aviatsii. Moskva, Voen.izd-vo
M-va obor.SSSR, 1959. 133 p. (MIRA 13:5)
(Aerial gunnery) (Airplanes, Military--Armament)
(Bombing, Aerial)

MEDVEDEVA, Ye. A., kand. med. nauk; DAYNEKO, L. N., mlad. nauch. sotr;
ZHUKOV, V. N., mlad. nauch. sotr.; BELYAVTSEVA, I. S., mlad.
nauch. sotr.

Significance of the luminescence method in the diagnosis of some
dermatoses. Vest. dermat. i ven. no.6:17-20 '61.

(MIRA 15:4)

1. Iz Ufinskogo kozhno-venerologicheskogo instituta (dir. -
starshiy nauchnyy sotrudnik P. N. Shishkin; nauchnyy rukovoditel' -
starshiy nauchnyy sotrudnik G. E. Shinskiy)

(SKIN--DISEASES) (LUMINESCENCE)

ROZENFEL'D, E.B.; ZHUKOV, V.N.; MAZAYEV, P.N. (Moskva)

Use of X-ray television equipment in surgery. Eksp. khir. i
anest. 9 no.4:3-6 J1-Ag '64. (RIRA 18:3)

USSR/Cultivated Plants - Commercial. Oil-Bearing. Sugar-Bearing. M-5

Abs Jour : Ref Zhur - Biol., No 7, 1958, 29951

Author : Zhukov, V.N.

Inst : Kharkov Agricultural Institute.

Title : The Pre-Sowing Treatment of Sugar Beet Seeds in a Solution of "Gidroperit".

Orig Pub : Sakharnaya svekla, 1957, No 3, 30-32.

Abstract : The tests were made under laboratory conditions in Kharkov Agricultural Institute and under field conditions in the Pervopetrovsk Beet Sovkhoz in Khar'kovskaya Oblast'. Seeds were soaked in water at a temperature of 15° (the control) and in a solution of "gidroperit" (a complex compound of hydrogen peroxide with urea) in the ratio of 2 and 4 kg. of the chemical preparation per 100 liters of water. The field tests indicated that the

Card 1/2

- 35 -

ZHUKOV, V.M. (Sverdlovsk); PASHCHINA, I.P. (Sverdlovsk); SHIROKOV, Y.P.
(Sverdlovsk)

Effect of cavitations on the dynamic characteristics of hydraulic
actuating mechanisms. Izv. AN SSSR. Obr. tekhn. nauk. Mener. i avton.
no. 2:104-108 Apr-May '59. (MIRA 12:7)
(Cavitation) (Hydraulics; equipment and supplies)

SOV/24-59-2-16/30

AUTHORS: Zhukov, V. N., Pechorina, I. N., Shirokov, V.P. (Sverdlovsk)

TITLE: The Effects of Cavitation on the Dynamic Response of Hydraulic Effector Mechanisms (Vliyaniye kavitatsionnykh rezhimov na dinamicheskiye kharakteristiki gidravlicheskiykh ispolnitel'nykh mekhanizmov)

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Energetika i avtomatika, 1959, Nr 2, pp 104-108 (USSR)

ABSTRACT: The paper describes some tests done with a hydraulic effector mechanism coupled to an artificial load, in which the inertial and positional components can be adjusted largely independently (Fig 1). The pressure is measured with an induction transducer, and the position of the load is indicated by a potentiometer indicator. Fig 2 shows details of the cylinder and valve system used with the effector mechanism. The equations below this figure are written on the assumption that the liquid is incompressible, that the output of the pump does not depend on the pressure, and that the mass of the piston can be neglected. These equations are discussed in a general way in relation to the conditions under which cavitation bubbles can appear; the main one is that the piston somehow acquires a high speed, principally on account of the action of external forces, or of sudden

Card 1/2

SOV/24-59-2-16/30

The Effects of Cavitation on the Dynamic Response of Hydraulic Effector Mechanisms

reversal of the motion when the piston is far from the neutral position (the position in which the spring exerts no force on the piston). The last two pages of the paper show oscillograms of the pressure p and position y taken with electromagnetically controlled valves. Fig 3 shows the response to a step perturbation applied to the piston, Fig 4 the response when the current to the valves is reversed (at 8.5mA), Fig 5 the same when the current is 29 mA, and Fig 6 the same when the current is 15 mA (in the last case the initial velocity was different from zero). In all cases τ denotes the time for which the cavitation bubbles are present. The last section deals briefly with the changes in the equations to be used during the time that cavitation bubbles are present; the last equation states the condition under which cavitation will occur. The paper contains 6 figures and 3 Soviet references.

SUBMITTED: November 17, 1958.

Card 2/2

19(0)

PHASE I BOOK EXPLOITATION

SOV/3280

Zhukov, Vladimir Nikolayevich

Oruzhiye aviatsii (Aircraft Weapons) Moscow, Voen. izd-vo M-va obor.
SSSR, 1959. 133 p. (Series: Nauchno-populyarnaya biblioteka). Number
of copies printed not given.

Ed.: A.M. Shorin, Colonel; Tech. Ed.: R. L. Solomonik.

PURPOSE: The pamphlet is intended for military personnel, for students of
military schools, members of the DOSAAF, and for all those interested in the
development of military aviation.

COVERAGE: The book surveys the history of aviation as a combat weapon and discus-
ses the main types of weapons used in aircraft. The treatment includes: theory
of air combat, bombing, interceptor aircraft, sighting devices, armament,
munition, etc. The coverage is based mainly on non-Soviet sources. There are
46 figures. The last chapter discusses the use of nuclear weapons in aircraft
in a superficial way, and mentions the American MV-1 "Geni" missile.

TABLE OF CONTENTS:

Card 1/2

Aircraft Weapons	80V/3280
Introduction	3
Aircraft Artillery	10
Aerial Gunnery	42
Aerial Bombs and Bombing Equipment of Aircraft	69
Bombsights and Bombing	92
Rocket Armament of Aircraft	109
Nuclear Weapons in Aviation	130

AVAILABLE: Library of Congress

Card 2/2

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ZHUKOV, VLADIMIR NIKOLAYEVICH

ASTASHENKOV, Petr Timofeyevich; ZHUKOV, Vladimir Nikolayevich; TATARINOV,
M.Ye., redaktor; ANDRIANOV, B.I., tekhnicheskiy redaktor

[Combat assistants of pilots] Boevye pomoshniki letchikov.
Moskva, Izd-vo DOSAAF, 1956. 63 p. [Microfilm] (MLRA 9:2)
(Airplanes--Maintenance and repair)

ASTASHENKOV, Petr Timofeyevich; ZHUKOV, Vladimir Nikolayevich; SLEDNEV,
I.P.,red.; SRIBNIS, N.V., tekhn.red.

[To new heights; talks with soldiers about technical progress
and the increase in our country's power within the seven-year
plan] K novym vysotam; besedy s voynami o tekhnicheskoy progresse
i ukrepleni mozhichestva nashoy rodiny v semiletke. Moskva,
Voen.izd-vo M-va obr.SSSR, 1959. 117 p. (MIRA 12:6)
(Russia--Economic policy)

ZHUKOV, V. N.

Zhukov, V. N. "A case of generalized favus," Voprosy dermato-venerologii, Vol. IV,
1948, p. 78-80, --Bibliog: p. 80

SO: U-3736, 21 May 53, (Letopis 'Zhurnal 'nykh Statey, No. 18, 1949).

BOR, Mikhail Zakharovich. Prinsipialni uchastiye: USPENSKAYA, Ye.P.; BALASHOVA, A.A.; ABRYUTINA, M.S.; ZHUKOV, V.N.; YAKUNINA, M.I.; VOROB'YEV, V.P.; STRUMILIN, S.G., akademik, red.; LISOV, V.Ye., red.; KHOLIN, I.A., red.; GERASIMOVA, Ye.S., tekhn.red.

[Planned balance of the national economy of the U.S.S.R.; practice in working out the balance] Planovyi balans narodnogo khoziaistva SSSR; opyt razrabotki. Pod red. S.G.Strumilina. Moskva, Gosplan-izdat, 1959. 158 p. (MIRA 13:6)

1. Podotdel balansa narodnogo khozyaystva Gosplana SSSR (for Uspenskaya, Balashova, Abryutina, Zhukov, Yakunina, Vorob'yev). (Russia--Economic policy)