

S/121/60/000/007/008/011

AUTHORS: Geller, Yu.A., Karavanov, Yu.I.TITLE: Improving the Structure and Properties of High-Speed Cast Steel by Annealing ✓

PERIODICAL: Stanki i Instrument, 1960, No. 7, pp. 29-31

TEXT: The problem of the investigations described in the article consisted in determining the possibilities of improving the structure and properties of high-speed cast steel by way of annealing and in developing the right annealing conditions. Annealing at comparatively low heating temperatures does not dissolve the primary carbides, but, causing coagulation, can improve the structure. Cast steel undergoing annealing obtains, after hardening and annealing, a higher strength. The authors, investigating the properties of hardened steel and of annealed steel (particularly heat-resistance and strength), draw, as a result of the investigations carried out, the following conclusions: The annealing of cast steel, while not eliminating the lattice of ledeburite eutectic segregating at the grain boundaries, promotes its refining and makes it possible to obtain a more homogeneous structure of the metallic base. Owing to this the strength of steel after hardening and annealing, i.e. in the state in which it is used in ✓

Card 1/2

S/121/60/000/007/008/011

Improving the Structure and Properties of High-Speed Cast Steel by Annealing

ready-made tools, increases by 10-15%. It is recommended to anneal cast steel at higher temperatures (900-950°C) than rolled steel. Holding time at heating temperatures should amount to 4-6 hours. A longer holding time is not to be recommended, since it might lower the heat-resistance. The authors emphasize the necessity of carrying out further investigations of the heat treatment of high-speed cast steel with the aim of a further improvement of its structure. There are 2 photos, 2 graphs and 3 Soviet references.

✓

Card 2/2

KARAVANOVA, T.M., kand.med. nauk

S.N. Korzhenevskii, Zemstvo physician. Zdrav. Ros. Feder. 4
no. 10:39-41 0 '60. (MIRA 13:10)

1. Iz kafedry organizatsii zdravookhraneniya i istorii meditsiny
(zav. - dotsent N.A. Frolova) Kalininskogo meditsinskogo instituta
(direktor - dotsent A.N. Kushnev).
(KORZHENEVSKII, STEPAN NIKOLAEVICH, 1862-1905)

KARAVANOVA, T.M.

In memory of M.P. Litvinov; on the 75th anniversary of the M. P. Litvinov Psychiatric Hospital. Zhur.nevr.i psikh 60 no.8:1045-1048 '60. (MIRA 13:9)

1. Kafedra organizatsii zdravookhraneniya i istorii meditsiny (zav. - dotsent N.A.Frolova) Kalininskogo meditsinskogo instituta. (LITVINOV, MIKHAIL PAVLOVICH, 1846-1918)

KARAVANOVA, T.M., kand.med.nauk

Problems in school hygiene in the work of district physicians of Tverskaia Guberniya; on the 90th anniversary of the 1st Congress of District Physicians in Russia. Gig. i san. 26 no.8:106-107 Ag '61.

(MIRA 15:4)

1. Iz kafedry organizatsii zdravookhraneniya i istorii meditsiny Kalininskogo meditsinskogo instituta.

(TVER PROVINCE—SCHOOL HYGIENE)

KARAVANOVA, T.M., kand.med.nauk, dotsent (Kalinin, obl.)

First congress of zemstvo physicians in Russia. Sov. zdrav. 21 no.5:
69-71 '62. (MIRA 15:5)

1. Iz kafedry organizatsii zdravookhraneniya i istorii meditsiny
(zav. - dotsent N.A.Frolova) Kalininskogo meditsinskogo instituta
(dir. - dotsent A.N.Kushiyev).
(MEDICINE--CONGRESSES) (ZEMSTVO)

KARAVANOVA, T.M., dotsent

Feldsher's role in the control of agricultural traumatism.
Fel'd. i akush. 28 no.5:3-6 My'63. (MIRA 16:7)

1. Iz otdela profilaktiki sel'skokhozyaystvennogo travmatizma
Kiyevskogo nauchno-issledovatel'skogo instituta ortopedii i
travmatologii.

(AGRICULTURE—ACCIDENTS) (MEDICINE, RURAL)

KARAVANOVA, T.M., dotsent (Kiyev 23, bul'var Lesi Ukrainki, d.12, kv.94)

Problems of prevention of agricultural traumatism at the Pirogov
Congresses. Ortop., travm. i protez. 25 no.6:67-71 Je '64.

(MIRA 18:3)

1. Iz Ukrainskogo instituta ortopedii i travmatologii v Kiyeve
(dir. - dotsent I.P. Alekseyenko, nauchnyy rukovoditel' - chlen-
korrespondent AMN SSSR prof. F.R. Bogdanov).

KARAVANOVA, T.M. (Kiyev 23, bul'var Lesi Ukrainki, d.12, kv.94)

Traumatism in some foreign countries. Ortop., travm. i protez. 26 no.12:68-73 D '65.

(MIRA 1961)

1. Iz sektora zarubezhnogo zdravookhraneniya Kiyevskogo instituta obshchey i kommunal'noy gigiyeny (direktor - chlen-korrespondent AMN SSSR D.N.Kaluzhnyy). Submitted April 1, 1965.

KARAVANSKAYA, N. A.

"Physiological Appraisal of a Feeding Method for Newborn Calves in Unheated Places in Low and Below Zero Temperatures." Cand Vet Sci, All-Union Inst of Experimental Veterinary Science, Min Agriculture USSR, Kiev, 1954. (KL, No 11, Mar 55)

SO: Sum. No. 670, 29 Sep 55—Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)

KARAVANSKAYA, N.A.

Principles of hygienic evaluation of rubber products which come in contact with food and with the oral cavity. Vop.pit. 13 no.3:31-34
My-Je '54. (MLRA 7:5)
(Rubber) (Hygiene)

KARAVANSKAYA, N.A. (Moskva)

Studies of the chemical composition of Russian food products. Vop.
pit. 16 no.2:76-79 Mr-Ap '57. (MIRA 10:10)

1. Iz Mezhdudedomstvennoy komissii po izucheniyu khimicheskogo
sostava pishchevykh produktov (predsedatel' - prof. F.Ye.Budagyan)
pri Ministerstve zdravookhroneniya SSSR.

(FOOD

chem. composition of Russian foods (kus))

VLADIMIROV, B.D.; ZAYTSEV, A.N.; KARAVANSKAYA, N.A.; BOGOSLOVSKAYA,
M.D.

Hygienic principles for designing dining facilities in municipal
and boarding schools. Gig. i san. no. 10:37-42 0 '60.

(MIRA 13:12)

1, Iz Instituta pitaniya AMN SSSR.
(SCHOOL LUNCHROOMS, CAFETERIAS, ETC.)

KARAVANSKAYA, N.A. (Kiyev)

Effect of the ambient temperature on the dynamics of
agglutinins, phagocytosis, and the blood picture in an
experiment. Gig. truda i prof.zab. 5 no.6:47-50 .Je '61.

(MIRA 15:3)

1. Kiyevskiy meditsinskiy institut imeni A.A. Bogomol'tsa.

(AGGLUTININS)

(PHAGOCYTOSIS)

(BLOOD CELLS)

(TEMPERATURE---PHYSIOLOGICAL EFFECT)

PEDAN, G.P.; KARAVANSKAYA, Yu.T.; KUKHTENKOVA, G.V.

Complexometric determination of magnesium oxide in ferrites. Zav.lab.
30 no.12:1448 '64. (MIRA 18:1)

14(1)

SOV/66-59-5-3/35

AUTHORS: Mel'tser, L., Candidate of Technical Sciences, Karavanskiy, I.,
Engineer

TITLE: Investigation of the Ideal Cycle of the Philips Machine by Applying
Thermodynamics of the Variable Gas Quantity

PERIODICAL: Kholodil'naya tekhnika, 1959, Nr 5, pp 13-17 (USSR)

ABSTRACT: The high efficiency of the Philips machine attaining temperatures of
-80 to -180°C and its original construction has attracted great
attention. The object of this article is to propose a new method of
calculating the cycle of the gas regenerating machine of the Philips
type. The investigation of the author is based on the thermodynamics
of variable gas quantity, the principles of which were laid down by
M.A. Mamontov [Ref 3] whose method of calculation not only permits
to arrive at new results, but conveys also a more complete picture of
the processes taking place in the machine. This makes it possible to
determine the true heat loads of the refrigerator, of the refrigerating
head and of the regenerator, which is not possible with any other known
methods of calculation, in particular those of Köhler and Yorkers and

Card 1/3

SOV/66-59-5-3/35

Investigation of the Ideal Cycle of the Philips Machine by Applying Thermodynamics of the Variable Gas Quantity

of Kodegone [Ref 1 and 2] which methods the author briefly describes in the article. The author agrees with the conclusion at which Kodegone arrives, excepting that it refers to one particular case only, while the method proposed by the author permits to determine all values of the heat loads of the regenerator. From the graphs shown in the article it follows that for the cycle of the machine, taken as a basis for the calculation, the most favorable value of ω lies between 2 and 3, ω being the ratio of the maximum working volume of the hot space to the maximum working volume of the cold space. There are 2 diagrams, 7 sets of graphs and 3 references, of which 1 is English and 2 are Soviet.

ASSOCIATION: Odesskiy tekhnologicheskii institut pishchevoy i kholodil'noy

Card 2/3

SOV/66-59-5-3/35

Investigation of the Ideal Cycle of the Philips Machine by Applying Thermodynamics
of the Variable Gas Quantity

promyshlennosti (Odessa Technological Institute of Food and Refrigeration Industries).

Card 3/3

KARAVANIKIY, I. G.

"Trajectories of Certain Points of the Mechanism of a Swash Plate,"
Nauch. zap. Odessk. politekh. in-ta, 1, pp 21-30, 1953

Consider the mechanism of a swash plate as a modification of a spherical crankgear. The mechanism consists basically of a circular plate mounted obliquely on a shaft, the axis of which passes through the center of the plate. (RZhMekh, No 5, May 55)

Sum. No. 381, 7 Oct 55

MEL'TSER, E. Z., KARAVANSKIY, I. I.

"Thermodynamic Investigations of the Working Cycle of the Philips Machine."

Report submitted for the 10th Intl. Refrigeration Congress, Copenhagen,
19 August - 2 September 1959.

KARAVASHKIN, B. K.

24(0); 5(4); 6(2) PHASE I BOOK EXPLOITATION SOV/22:5
 Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii imeni
 D.I. Mendeleeva
 Referaty nauchno-issledovatel'skikh rabot; sbornik No. 2 (Scientific
 Research Abstracts; Collection of Articles, Nr. 2) Moscow,
 Standartgiz, 1958. 139 p. 1,000 copies printed.
 Additional Sponsoring Agency: USSR, Komitet standartov, mer i
 izmeritel'nykh priborov.

Ed.: S. V. Reshetina; Tech. Ed.: M. A. Kondrat'yeva.
 PURPOSE: These reports are intended for scientists, researchers,
 and engineers engaged in developing standards, measures, and
 gauges for the various industries.

COVERAGE: The volume contains 128 reports on standards of measure-
 ment and control. The reports were prepared by scientists of
 institutes of the Komitet standartov, mer i izmeritel'nykh
 priborov pri Sovete Ministrov SSSR (Commission on Standards,
 Measures, and Measuring Instruments under the USSR Council of
 Ministers). The participating institutes are: VNIIM -
 Vsesoyuznyy nauchno-issledovatel'skiy metrologii imeni D.I.
 Mendeleeva (All-Union Scientific Research Institute of Met-
 rology imeni D.I. Mendeleeva) in Leningrad; Sverdlovsk branch
 of this institute; VNIK - Vsesoyuznyy nauchno-issledovatel'skiy
 institut standartov, mer i izmeritel'nykh priborov
 (All-Union Scientific Research Institute of the Commission
 on Standards, Measures, and Measuring Instruments), created
 from NIMIP, Moskva; Vsesoyuznyy gosudarstvennyy institut, mer i
 izmeritel'nykh priborov (Moscow State Institute of Measures
 and Measuring Instruments) October 1, 1955; VNIIPMI -
 Vsesoyuznyy nauchno-issledovatel'skiy institut fiziko-tekhni-
 cheskikh i radiotekhnicheskikh izmereniy (All-Union Scientific
 Research Institute of Physico-technical and Radio-engineering
 Measurements) in Moscow; KHIMIP - Kharkovskiy gosudarstvennyy
 institut mer i izmeritel'nykh priborov (Kharkov State Institute
 of Measures and Measuring Instruments); and NIMIP - Novosil-
 (Novosilovskiy gosudarstvennyy institut mer i izmeritel'nykh priborov
 (Novosilovsk State Institute of Measures and Measuring Instru-
 ments)). No personalities are mentioned. There are no references.

Stekalova, Ye. I., and T. B. Morozova (VNIIM). Studying Checking
 Methods for Absorption-type Resonators with Attenuation to 30 dB. 125
 in the Three Centimeter Wave Range
 Leykin, A. Ya., S. M. Osholina, P. A. Sapat'ion, and B. K. Karavashkin
 (NIMIP). Developing a Method for Checking G33-6 Type Generators
 by a voltage to 1 microvolt and by the Factor of Modulation 128
 Kshimovskiy, Y. V. (VNIIM). Apparatus for Checking and Cal-
 ibrating Generators of Undamped Electric Oscillations of Ultrahigh
 Frequency 130
 Otyvashenkov, Ya. M., and A. A. Gostimazkiy (VNIIPMI). Developing
 a Method and Apparatus for Measuring Time-varying Parameters of
 Delay Lines 131
 Osipov, L. I., and L. S. Neuntroyev (VNIIPMI). Developing Methods
 and Standard Apparatus for Measuring Time-varying Parameters of
 Pulses 131
 Buzinov, V. S., and L. A. Pereverzev (VNIIPMI). Developing Methods
 Card 25/21

L 23820-66 EWT()/EWT(m)/EWA(d)/EWP(v)/EWP(t)/EWP(k)/EWP(h)/EWP(l) IJP(c)

ACC NR: AP6014605

JD

SOURCE CODE: UR/0133/66/000/005/0428/0428

AUTHOR: Karavashkin, B. K.

ORG: Chelyabinsk Scientific Research Institute of Metallurgy (Chelyabinskiy nauchno-issledovatel'skiy institut metallurgii)

TITLE: Development of an automatic control system for the melting process in vacuum arc furnaces

SOURCE: Stal', no. 5, 1966, 428

TOPIC TAGS: arc furnace, vacuum furnace, furnace control, automatic control, vacuum furnace automation

ABSTRACT: The dependence of arc voltage and pulse frequency on the arc length has been determined for various currents, mold (280 or 380 mm) and electrode diameters, and types of steels (E1437/D or ShKh15). The error of arc-gap length, with arc voltage stabilized by the ROS system, was determined experimentally with an accuracy of ±0.15—0.20 v. The design of circuits for the stabilization of arc voltage to prevent short and long arcs and for programming controllers was improved. An automatic controller for vacuum arc furnaces was designed. Six such controllers have been built and are used in several plants. [AZ]

SUB CODE: 13, 14/ SUBM DATE: none/ ATD PRESS: 4247

Card 1/1

UDC: 669.187.2.083.4:621.365.2

83158

6.4734

S/115/60/000/008/008/013
B019/B063

AUTHORS: Karavashkin, B. K., Shpan'on, P. A.

TITLE: Investigation of the Method of Measuring the Frequency Deviation of a Frequency-modulated Oscillation According to the Zeros of a Bessel Function

PERIODICAL: Izmeritel'naya tekhnika, 1960, No. 8, pp. 33-35

TEXT: In the introduction to the present article, the authors give the determination of the frequency deviation of frequency-modulated oscillations by means of receivers. The present article deals with problems connected with the determination of the frequency deviation by means of spectral analyzers. It is noted that, though that such measuring techniques are described in various publications, the error in measurement and the influence of secondary effects had hitherto not been estimated, as far as the authors know. The authors used a spectral analyzer whose intermediate-frequency amplifier had a transmission band in the range of 20 cps at a frequency of 110 kc/sec. Thus, it was possible to carry out a spectral analysis at a minimum modulating frequency of 500 cps. In the analysis of

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83158

Investigation of the Method of Measuring the S/115/60/000/008/008/013
Frequency Deviation of a Frequency-modulated B019/B063
Oscillation According to the Zeros of a Bessel
Function

the random error of this method, in which the instant at which the amplitude of this or that spectral component vanishes is visually determined on an oscillogram, the behavior of the first derivative of a Bessel function of n-th order near its root K_m is examined. The random error was found X

to be smaller than $\pm 0.5\%$. The parasitic amplitude modulation, which is considered to be a systematic error, causes an error in measurement that can be calculated from formula (3). Experimental studies showed no errors that could have been calculated from (3). The authors conclude herefrom that the random errors in measurement are considerably greater than the systematic errors. It follows from the further course of investigation that cophased and counterphased modulations have no effect on the accuracy of measurement, whereas an additional error in measurement is caused by arbitrary parasitic amplitude modulation. There are 3 figures and 1 table.

Card 2/2

KARAVASHKIN, B.K.

Unit for testing nonlinear distortion meters. Izv. tekhn. no. 7:46-47
Jl '61. (MIRA 14:6)

(Pulse techniques (Electronics))

L 63459-65 EWT(m)/EWP(+)/EWP(b) JD

ACCESSION NR: AR5016148

UR/0137/65/000/005/V044/V044

SOURCE: Ref. zh. Metallurgiya, Abs. 5V292

AUTHOR: Karavashkin, B. K.; Kirsanova, I. K.

TITLE: Choice of control parameters for the melting process in vacuum arc furnaces with a consumable electrode

CITED SOURCE: Elektrotermiya. Nauchno-tekhn. sb., vyp. 39, 1964, 13-16

TOPIC TAGS: vacuum furnace, current stabilization, metal melting, vacuum arc, magnetic field, electrode

TRANSLATION: A study was made of the effect of current strength, length of arc gap, and the vertical and horizontal components of the magnetic field on the quality of metals during their melting in a vacuum arc furnace with a consumable electrode, and their required residence time in the melting process was accurately determined. A knowledge of the reasons for the appearance of the current jumps permits drawing the following conclusions; the number of current jumps can be considerably reduced by improvement of melting technique- correct choice of arc

Card 1/2

I 63459-65

ACCESSION NR: ARF015148

gap length, current strength, better quality of electrodes, and elimination of the horizontal magnetic field; current jumps resulting from instability in the feed circuit and a shift in the cathode spot can be eliminated only by a current stabilizer, and all the remaining current jumps by an automatic arc length regulator which maintains a determined value of the arc length. For characterization of the nature of the current jumps, 2 coordinates are proposed: the period of sequence of the voltage impulses in the working furnace and the depth of the vacuum. The influence of arc length on the quality of metals is exerted through current strength and arc voltage. Control and stabilization of the arc gap must be sufficiently accurate to hold the arc length in the "short-long" interval practically equal to 3-5 cm. Orig. art. has: 6 figures, D. Kashayeva.

SUB CODE: MM, EE

ENCL: 00

Card 2/2

KARAVASHKIN, B.K., inzh.; KIRSANOVA, I.K., inzh.

Device for measuring pulse characteristics of an arc. Priboro-
stroenie no.12:19-21 D '65. (MIRA 19:1)

KARAVASHKIN, N.I., inzhener

Attachment for the hoisting arm of a lift truck to facilitate
installation work at a height. Sbor. mat. o nov. tekhn. v stroi.
17 no.4:32 '55. (MLRA 8:6)

(Building machinery) (Hoisting machinery)

KARAMISHEV, I.; KARAVASILEV, T.

Surgical therapy of diseases of the thyroid. Khirurgia, Sofia 11 no.8:
716-722 1958.

1. Okružna bolnitsa - gr. pleven G. Iekar: R. Rusev.
(THYROID GLAND, dis.
surg. (Bul))

SOLDATKIN, Vasiliy Aleksseyevich; KARAVASHKIN, Sergey Ivanovich; VOROB'YEVA,
N.N., redaktor; KARASIK, N.P., tekhnicheskiy redaktor.

[In the Koygorodok Forest Industry Establishment] V koigorodskom
lespromkhozе. Moskva, Goslesbumizdat, 1954. 51 p. (MIRA 8:2)
(Koygorodok--Lumbering)

KARAVASHKIN, S. I.

USSR/Miscellaneous - Timber Industry

Card 1/1

Authors : Soldatkin, V. A., and S. I. Karavashkin

Title : The Efficiency of the Cyclic Organization of Tree-Felling Operations
in the Koygorodsk Forest.

Periodical : Mekh. Trud. Rab. Ed. ⁸3, 40 - 43, Apr - May 1954

Abstract : Efficient tree-felling operations in Koygorodsk forest. Detailed
descriptions of the tree-felling operations, type of machinery used,
productivity of individual working cadres, and the methods of forest
preservation and reforestation. Tables; graphs.

Institution :

Submitted :

KARAVASHKIN, S.I., inshener.

Wintertime bundling of tree-length logs. Mekh.trud.rab. 9 no.10:
25-26 0 '55. (Lumbering) (MLRA 9:1)

CHIKOV, Yakov Ivanovich; PIIR, Aleksandr Ivanovich; KARYVASHKIN, S.I.,
redaktor; GORYUNOVA, L.K., redaktor; SAIYS, V.P., tekhnicheskii
redaktor

[Including 12 interchangeable trailers] Avtomobil'naya
vyvozka 12 avtomobil'nykh krovat'sepakh. 1 avtomobil'nykh krovat'sepakh.
49 s. (MLRA 9:5)
(Automobile trailer interchangeability)

KARAVASHKIN, S.I., inzhener.

Loading tree-length logs on plantations of large trees. Mekh.trud.rab.
10 no.3:36 Mr '56. (MIRA 9:7)
(Lumbering--Machinery)

KARAVASHKIN, S.I., inzhener.

Transporting tree-length logs by semitrailer without pole.
Mekh. trud. rab. 10 no.9:32-33 S '56.

(MLRA 9:10)

(Lumber--Transportation)

KARAYASHKIN, S.I.

LOKOSOV, Andrey Vasil'yevich; KARAYASHKIN, S.I., redaktor; POLTEVA, B.Kh.,
redsktor izdatel'stva; KARASIK, N.P., tekhnicheskiy redaktor

[Hauling of tree-length timber in the Vikhorev Logging Camp]
Vyvozka lesa v khlystakh v Vikhorevskom lespromkhozе. Moskva,
Goslesbumizdat, 1957. 21 p. (MIRA 10:6)
(Lumber--Transportation)

KARAVASHKIN, S.I.

MYAGKOV, Vladimir Aleksandrovich; KARAVASHKIN, S.I., redaktor; PITERMAN, Ye.L., redaktor izdatel'stva; RACHURINA, A.M., tekhnicheskiy redaktor

[Roller bearings used in rolling-stock of narrow-gauge railroads]
Rolikovye podshipniki na podvizhnom sostave uzkokoleinykh zhelezn-
nykh dorog. Moskva, Goslesbumizdat, 1957. 85 p. (MLRA 10:4)
(Railroads, Narrow-gauge)(Railroads--Rolling stock)
(Roller bearings)

SULKHANOV, Petr Petrovich; VENTSENOTSEV, Yuriy Nikolayevich; KARAVASHKIN,
S.I., red.; MEL'NIKOVA, A.G., red. izd-va; VDOVINA, V.M., tekhn.
red. (MIRA 14:10)

[Mechanization of riparian log dumps] Opyt mekhanizatsii rabot na
prirechnykh lesnykh skladakh. Moskva, Goslesbumizdat, 1960. 46 p.
(Lumbering--Equipment and supplies)

KARAVASHKIN, S.I., inzh.

Automatic unloading of full-length logs from trucks. Mekh. i avtom.
proizv. 15 no^o 5:25-28 My '61. (MIRA 14:5)
(Lumbering--Machinery)

KARAVASHKIN, S.I., inzh.

New barking machines. Mekh.1 avtom.proizv. 16 no.7:54-55 JI '62.

(Lumbering--Machinery)

(MIRA 15:8)

ZHELTOV, Yevgeniy Mikhaylovich; KARAVASHKIN, S.I., red.; GOSFODARSKAYA,
M.N., red. izd-va; BACHURINA, A.M., tekhn. red.

[Gasoline engine saws in forestry] Benzinomotornye pily v les-
nom khoziaistve. Moskva, Goslesbumizdat, 1962. 67 p.
(Saws) (MIRA 15:11)

VOLOBUYEV, G.P.; MIRONOV, Ye.M.; KARAVASHKIN, S.I., red.; PETRENKO,
V.M., tekhn. red.

[End-grab crane for stacking and loading logs in the lower
timber landings] Tortsovye greifery dlia shtabelirovaniia i
pogruzki drevesiny na niznikh skladakh. Moskva, TSentr.
in-t tekhn. informatsii i ekon. issl. po lesnoi, bumaznoi
i derevoobrabatyvaiushchei promyshl., 1962. 34 p.

(Lumbering--Machinery) (Cranes, derricks, etc.) (MIRA 16:6)

PATSIORY, P.P., doktor tekhn. nauk, red.; VIL'KE, G.A., kand.tekhn.
nauk, red.; ZARAPINA, Ye.Ye. otv. za vypusk; KARAVASHKIN,
S.I., otv. za vypusk; TIKHOMIROVA, V.R., red.

[Establishment and operation of automatic and semiautomatic
lines in forest and wood-using industries] Ustroistvo i eks-
pluatatsiia avtomaticheskikh i poluavtomaticheskikh liniy v
lesnoi i derevoobrabatyvaiushchai promyshlennosti. Moskva,
GOSINTI, 1962. 172 p. (MIRA 16:8)

1. Russia (1917- R.S.F.S.R.) Gosudarstvennyy komitet po ko-
ordinatsii nauchno-issledovatel'skikh rabot.
(Wood-using industries) (Automatic control)

VORONITSYN, K.I.; KARAVASHKIN, S.I., red.

[Improving the technology and technique of logging, lumber transportation, and road construction operations] Sovershenstvovanie tekhnologii i tekhniki lesosechnykh, lesotransportnykh i dorozhno-stroitel'nykh rabot. Moskva, TSentr. nauchno-issl. in-t inform. i tekhniko-ekon. issl. po lesnoi tselliulozno-bumazhnoi, derevoobrabatyvaiushchei promyshl. i lesnomu khoz., 1963. 33 p. (MIRA 17:7)

KARAVASHKIN, S.I., inzh.

New equipment for lumbering. Mekh. i avtom.proizv. 17 no.10:26-29 0
'63.

(MIRA 17:1)

ALYAB'YEV, V.I.; KOLOBOV, Ye.A.; LEBEDEVA, V.V.; MASHIN, G.K.;
NEKRASOV, R.M.; KARAVASHKIN, S.I., red.

[Cableways for partial aerial skidding and loading of
tree-length logs in mountain felling areas] Trossovye
ustanovki dlia polupodvesnoi trelevki i pogruzki knly-
stov v gornyykh lesosekakh. Moskva, TSentr. nauchno-issl.
in-^o informatsii i tekhniko-ekon. issledovaniy po lesnoi
tselii iuzhno-buzazhnoi, derevosrabatyvaiushchei promyshl.
i lesnomu khoziaistvu, 1963. 46 p. (MIRA 17:9)

KHOMENKO, B.F.; KARAVASHKIN, S.I., red.

[Development of the lumbering industry in Perm Province;
a review] Razvitie lesnoi promyshlennosti Permskoi oblasti;
obzor. Moskva, TSentr. nauchno-issl. in-t informatsii i
tekhniko-ekon. issl. po lesnoi, tselliulozno-bumazhnoi, de-
revoobrabatyvaiushchei promyshl. i lesnomu khoz., 1969. 11 p.
(MIRA 17:10)

KARAVASHKIN, S.I., inzh.

New lumbering unit. Mekh. i avtom. proizv. 17 no. 3:51-53 Mr '63.
(MIRA 17:9)

KALUTSKIY, K.K.; NOVOSEL'TSEV, N.V., nauchn. red.; KARAVASHKIN,
S.I., red.

[Planning cutting operations for the conditions of northern
Kazakhstan] Skhemy osvoeniia lesesek v usloviakh Severnogo
Kavkaza. Moskva, TSentr. nauchno-issl. in-t informatsii i
tehniko-ekon. issledovaniy po lesnoi, tselliulozno-
bumazhnoi, derevoobrabatyvaiushchei promyshl. i lesnomu
khoz., 1963. 18 p. (MIRA 17:10)

SAVIN, L.Ye.; TANASHEV, R.I.; KILYAKOV, A.M.; GORODETSKIY, M.S.;
KAMINSKIY, R.M.; KHAR'KOV, V.I., nauchn. red.;
KARAVASHKIN, S.I., red.

[Work practices of the Verkhovskiy Logging Camp] Opyt raboty Verkhovskogo lespromkhoza. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovaniy po lesnoi, tselliulozno-bumazhnoi, derevoobrabatyvaiushchei promyshl. i lesnomu khoz., 1964. 28 p. (MIRA 18:4)

POTAPOV, F.A.; BAKSHEYEVA, N.I.; ZHELTOV, Ye.M., nauchn. red.
KARAVASHKIN, S.I., red.

[Technology of working cutovers with biological drying of
lumber] Tekhnologiya razrabotki lesosek s biologicheskoi
sushkoi lesa. Moskva, TSentr. nauchno-issl. in-t informa-
tsii i tekhniko-ekon. issledovaniy po lesnoi, tselliulozno-
bumazhnoi, derevoobrabatyvaiushchei promyshl. i lesnomu
khoz., 1964. 35 p. (MIRA 18:5)

1. TSentral'nyy nauchno-issledovatel'skiy institut mekhanizatsii
i energetiki lesnoy promyshlennosti (for Potapov, Baksheyeva).

ETERMAN, I.I.; GORCHINSKAYA, T.D.; KARAVASHKINA, G.I.

Solving mathematical problems on the universal digital computer
"Ural". Priborostroenie no.5:1-8 My '56. (MLRA 9:8)
(Electronic calculating machines)

PERMYAKOV, Ye.N.; KARAVASHKINA, Yu.A.

Research and study of platform structures by examining tectonic
fracturing. *Biul. MOIP. Otd. geol.* 28 no.6:57-72 '53. (MIRA 6:12)
(Geology, Structural)

ANDROSOV, F.Z.; KARAVASHKOVA, A.I.; LAPIDUS, S.S.; KHODOVA, O.Ya.

~~Control of flies in stock pavilions at the All-Union Agricultural Exhibition. Veterinariia 32 no.5:72 My '55.~~
(FLIES)(DISINFECTION AND DISINFECTANTS) (MLRA 8:7)

KARAVASHKOVA, A.I.

KARAVASHKOVA, A.I.; RYK-BOGDANIKO, M.G.; IONOVA, A.I.

Using a DDT insecticide mixture for controlling flies. Gig. 1 san.
22 no.6:87-88 Jg '57. (MIRA 10:10)

1. Iz Moskovskoy gorodskoy dezinfektsionnoy stantsii.
(FLIES,
control with DDT mixtures (Rus))
(DDT, effects,
flies control, mixtures (Rus))

IVANNIKOVA, A.A.; KARAVASHKOVA, A.I.

Use of chlordan in fly control. Med.paraz.i paraz.bol. 26 no.6:
733-736 N-D '57. (MIRA 13:4)

1. Iz Tsentral'nogo nauchno-issledovatel'skogo dezinfektsionnogo
instituta (direktor instituta A.A. Ryzhov) i Moskovskoy gorodskoy
dezinfektsionnoy stantsii (glavnyy vrach I.N. Kudrinskiy).
(CHLORDAN) (FLIES--EXTERMINATION)

KARAVATSKAYA, V. A.

KARAVATSKAYA, V. A.: "Changes in a sensitizer during the process of photochemical reaction." Min Education RSFSR. Moscow State Pedagogical Inst imeni V. I. Lenin. Moscow, 1956. (Dissertation for the Degree of Candidate in Physicomathematical in Sciences).

SO: Knizhaya Ietopis', No. 23 1956

KARAVAY, N.M.
UGORETS, I.I.; LAVRENEKO, K.D.; BONDAREV, N.M.; PLATONOV, N.A.;
ACHKASOV, D.I.; MKHITARYAN, S.G.; SAVINYKH, A.I.; MALYUTIN, I.P.
VLADIMIROV, P.N.; MOSKOVSKIY, P.A.; GEL'FAND, M.Z.; ~~KARAVAY, N.M.~~
BESPROZVANNYY, I.A.; KIKINA, M.I.; TRITNIKOVA, Ye.M.

Nikolai Nikolaevich Romanov; obituary. Elek.sta. 27 no.4:63 Ap '56.
(MLRA 9:8)

(Romanov, Nikolai Nikolaevich, 1906-1956)

KARAVAY, N.M., inzh.; NEKRASOV, A.M., inzh.

Power engineering of the U.S.S.R. in 1959, the first
year of the seven-year plan. Elek.sta. 31 no.4:5-9
Ap '60. (MIRA 13:7)
(Electric power plants)

KARAVAY, N.Ya.

GUREVICH, V.G.; KAZARNOVSKIY, L.S.; KARAVAY, N.Ya.

Preventing scale formation in distillation apparatus during the
production of distilled water in pharmacies. Apt.delo 7 no.2:43-44
Mr-Ap '58. (MIRA 11:4)

1. Iz Khar'kovskogo farmatsevticheskogo instituta.
(DISTILLATION APPARATUS)

Karavay, P.
AFANAS'YEV, A.; SIL'NOV, V., glavnyy inzh.; BACHILOV, I.; CHERTKOV, A.,
glavnyy konstruktor; SOKOLOV, Ya.; KARAVAY, P.; TRUKHANOVA, A.,
tekhred.

[Trench silo with a capacity of 1000, 700, 500, and 300 tons
(brick or rubble concrete walls)] Silosokhranilishche transhejnogo
tipa emkost'iu 1000, 700, 500, 300 tonn (steny kirpichnye ili
butobetonnye). Proekt no.002. Minsk, Gos.izd-vo BSSR, Red. nauchno-
tekhn.lit-ry, 1955. 5 p. (MIRA 12:4)

1. White Russia. Ministerstvo gorodskogo i sel'skogo stroitel'stva.
2. Direktor "Belsel'proyekta" (for Afanas'yev).
3. Rukovoditel' masterskoy No.2 "Belsel'proyekta" (for Bachilov).
4. Ispolnyayushchiy obyazannosti nachal'nika smetnogo sektora "Belsel'proyekta" (for Sokolov).
5. "Belsel'proyekt" (for Sil'nov, Chertkov, Karavay).
(Silos)

KARAVAY, P.P., polkovnik, Geroy Sovetskogo Soyuza

Confidence is the main requisite for victory. Vest.Vozd.
Fl. no.2:18-21 F '60. (MIRA 13:7)
(Flight training)

KARAVAY, Z. N.

USSR/Electricity - Literature

Feb 52

"New Books Published in 1951 on Electricity, Electrical Engineering, and Electric Power Engineering"

"Elektrichestvo" No 2, p 96

New books include A. V. Vinter's "The Great Construction Projects of Communism," I. A. Dombrovskiy's "Television," Z. N. Karavay's "Index to Technical Periodical Literature on Power Engineering," and A. A. Sanin's "Radio Engineering Methods for the Study of Radiations."

PA 208143

KARAVAYEV, A. (g.Khar'kov)

Automats and people. Sov.torg. 35 no.1:10-14 Ja '62.

(MIRA 15:1)

(Vending machines)

KARAYAYEV, A.

Urgent problems of developing countries are on the agenda. Vnesh.
torg. 43 no.7:17-20 '63. (MIRA 16:8)
(Brazil--Commerce)

KARAVAYEV, A.

Karavayev, A. "For the continued rise of agriculture and the organizational-economic strengthening of the collective farms", *Izvestiya Komsomolskaya Pravda*, 1949, No. 3, p. 9-11.

So: 0-1061, 17 April 51, (Letopis: Zhurnal Voprosi Stroy, No. 10, 19 9).

1. KARAVAYEV, A.
2. USSR 600
4. Nedelin, Serafim Ivanovich
7. Aids for the participants of evening party schools (Socialist agriculture and its role in the development of the national economy of the U.S.S.R. S. Nedelin, Reviewed by A. Karavayev), Mosk. prop, 5, No. 11, 1949.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

LAPTEV, I. D., D'YACHENKO, V. I.
KARAVAYEV, A. A.

Collective Farms

"Problems in the development of the collective farms in the U.S.S.R."
Reviewed by Ya. Lovkov Sots. sel'khoz. 23, No. 1, 1952

Monthly List of Russian Accessions, Library of Congress, June 1952. Unclassified.

KARAVAYEV, A.

From the editor. Apt.delo no.4:68-69 J1-Ag '53.
(Il'in, M.A.) (Enin, P.K.) (Collective farms)

(MLRA 6:8)

DEMEZER, A.A., redaktor; DZYUBA, M.L., redaktor; YUROVITSKIY, Ye.I.,
redaktor; GERASIMOV, P.K., redaktor; KARAVAYEV, A.A., redaktor;
PEROV, S.V., redaktor; SAVEL'YEV, B.V., redaktor; YAKUSHKIN, I.V.,
redaktor; PERESYPKINA, Z.D., tekhnicheskiy redaktor

[Collective farm worker's calendar for 1955] Kalendar' kolkhovnika
na 1955 god. Moskva, Gos. izd-vo selkhoz. lit-ry, [1954] 174 p.
[Microfilm] (MLRA 9:8)
(Agriculture--Yearbooks)

KARAVAYEV, A.

New collective farm planning system and future plans. Vop.ekon.
no.4:88-101 Ap '56. (MLRA 9:8)
(Collective farms)

DEMBZER, A.A.; DZYUBA, M.L.; YUROVITSKIY, Ye.I.; GERASIMOV, P.K., redaktor;
KABAYAYEV, A.A., redaktor; PEROV, S.V., redaktor; SAVEL'YEV, B.V.,
redaktor; YAKUSHKIN, I.V., redaktor; VESKOVA, Ye.I., tekhnicheskiy
redaktor

[Collective farmer's almanac for 1957] Kalendar' kolkhoznika na
1957 god. Moskva, Gos. izd-vo selkhoz. lit-ry [1956] 175 p.
(Almanacs) (Agriculture) (MIRA 9:12)

KARAVAYEV, A.A.

DEMEZHER, A.A.; DZYUBA, M.L.; YUROVITSKIY, Ye.I.; GERASIMOV, P.K., red.;
KARAVAYEV, A.A., red.; PEROV, S.V., red.; SAVEL'YEV, B.V., red.;
YAKUSHKIN, I.V., red.; VESKOVA, Ye.I., tekhn.red.; PRVZHNER, V.I.,
tekhn.red.

[Yearbook for the collective farm worker for 1958] Kalendar'
kolkhoznika na 1958 god. Moskva, Gos. izd-vo sel'khoz. lit-ry,
[1957] 175 p. (MIRA 11:6)
(Agriculture--Yearbooks)

KOVALEVA, N.P., kand.ekon.nauk, glavnyy red.; KARAVAYEV, A.A., kand.
ekon.nauk, red.; APANAS'YEV, V.S., kand.ekon.nauk, red.;
ZAYTSEV, V.P., red.; NAUMOV, K.M., tekhn.red.

[Problems in political economy] Voprosy politicheskoi ekonomii.
Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1959. 190 p.

(MIRA 12:7)

1. Moscow. Akademiya obshchestvennykh nauk, Kafedra politi-
cheskoy ekonomii.

(Economics)

KOVALEVA, M.F., kand.ekonom.nauk, glavnyy red.; KARAVAYEV, A.A., kand.
ekonom.nauk, red.; APANAS'YEV, V.S., kand.ekonom.nauk, red.;
ZAYTSEV, V.P., red.; NAUNOV, K.M., tekhn.red.

[Economics of socialism] Voprosy ekonomiki sotsializma. Moskva,
Izd-vo VPSH i AON pri TsK KPSS, 1959. 286 p. (MIRA 12:7)

1. Moscow. Akademiya obshchestvennykh nauk. Kafedra politicheskoy
ekonomii.

(Russia--Economic conditions)

KUZ'MINOV, I., red.; KULIKOV, A., red.; KARAVAYEV, A., red.; SPERANSKAYA,
L., red.; MOSKVINA, R., tekhn.red.

[Advantages of the socialist economic system] Preimushchestva
sotsialisticheskoi sistemy khoziaistva. Moskva, Izd-vo sotsial'-
no-ekon.lit-ry, 1959. 310 p. (MIRA 12:10)
(Economics)

BUYANOV, P.S.; KARAVAYEV, A.A.; KULAGIN, N.A.; ASTAKHOV, V., red.;
VALOVOY, D., red.; LEPNIKOVA, Ye., red.; MOSEVINA, R.,
tekh.red.

[New stage in the development of the collective farm system]
Novyi etap v razvitii kolkhoznogo stroia. Moskva, Izd-vo
sotsial'no-ekon.lit-ry, 1959. 347 p. (MIRA 12:11)
(Collective farms)

SAMOLETOV, A.; KARAVAYEV, A.

Seven-year plan of the largest poultry plant. Mias.ind.SSSR
30 no.6:23-25 '59. (MIRA 13:4)

1. Tomilinskaya ptitsefabrika.
(Tomilino--Poultry plants)

KOVALEVA, M.F., kand.ekonom.nauk, red.; KARAVAYEV, A.A., kand.ekonom.nauk, red.; TUSHUNOV, A.V., kand.ekonom.nauk, red.; ZAYTSEV, V.P., red.; NAUMOV, K.M., tekhn.red.

[Socialist agriculture at the present-day stage and problems of agrarian theory] Sotsialisticheskoe sel'skoe khoziaistvo na sovremennom etape i voprosy agrarnoi teorii. Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1960. 477 p. (MIRA 13:9)

1. Moscow. Akademiya obshchestvennykh nauk.
(Agriculture)

KARAVAYEV, A.

At the front lines of the struggle for the agricultural upsurge.
Vop.ekon. no.5:126-131 My '61. (MIRA 4:5)
(Farm management) (Socialist competition)

BOLGOV, A.V.; KARAVAYEV, A.A., prof., otv. red.; RUBE, V.A.,
red.izd-va; PRUSAKOVA, T.A., tekhn. red.; MAKAGONOVA,
I.F., tekhn. red.

[Differential land rent under the conditions of socialism;
a theoretical study] Differentsial'naiia zemel'naia renta v
usloviakh sotsializma; ocherk teorii. Moskva, Izd-vo AN
SSSR, 1963. 221 p. (MIRA 17:2)

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(A,N)

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INVENTORS: Polissadov, V. N.; Karavayev, A. G.; Barantseva, Z. V.; Svidnitskiy, T. V.; Zalavskiy, N. A.; Polissadov, V. V.

ORG: none

TITLE: Synthetic slag. Class 18, No. 189002

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 23, 1966, 27

TOPIC TAGS: synthetic slag, rare earth metal, CALCIUM OXIDE, ALUMINA, FLUORITE

ABSTRACT: This Author Certificate presents synthetic slag containing calcium oxide, alumina, and fluorspar. To desulfurize acid steel, the slag contains 58--62% - calcium oxide, 30--40% - alumina, and 5--10% - fluorspar. The slag contains 0.18--0.25% rare-earth metals. These rare-earth metals are taken in the following proportions (in terms of 100 parts by weight): cerium - 60, lanthanum - 20, neodymium and praseodymium - 10, and iron - remainder.

SUB CODE: 11/ SUBM DATE: 23Oct65

Card 1/1

UDC: 669.046.587

KARAYEV, A.I.; GASANOV, G.I.; KUZNETSOV, B.G.

Effect of radioactive phosphorus (P^{32}) on the course and nature of
aseptic inflammation. Izv. AN Azerb. SSR. Ser. biol. i med. nauk
no.5:119-124 '60. (MIRA 14:9)

(PHOSPHORUS---ISOTOPES) (INFLAMMATION)

KARAVAYEV, A. M., Candidate Tech Sci (diss) -- "Investigation of the stability of wadding under analysis". Leningrad, 1959. 13 pp (Min Higher Educ USSR, Leningrad Order of Lenin Forestry Engineering Acad im S. M. Kirov), 150 copies (KL, No 26, 1959, 125)

ARSENHVI, A.Yu.; BOGDANOV, M.N.; GORIZONTOVA, Ye.A.; YERSHOVA, Ye.I.;
YELENBAUM, N.I.; IOFE, N.Sh.; KARAVAYEV, A.M.; KOLBOV, G.M.;
LOBIN, N.V., kand. sel'khoz. nauk; KUSHNER, Kh.F., doktor biolog.
nauk; MISHIN, P.N.; PATRIK, I.A., kand. sel'khoz. nauk; SAMOLETOV,
V.K., kand. sel'khoz. nauk; SEMTNEV, S.I., akademik; A.I.; FILASOV, V.V.; SHKUDOVA, R.I.; SOKOLOVA, G.S., red.;
RJMANOVICH, Ye.F., red.; LEVINA, L.G., tekhn. red.

[Chickens for meat] TSypliata na miaso. Moskva, Izd-vo M-va
sel'.khoz. RSFSR, 1960. 197 p. (MIRA 15:1)
(Poultry)

KARAVAYEV, A.P

KAPELINSKIY, Yu.N.; POLYANIN, D.V.; MENZHINSKIY, Ye.A.; IVANOV, I.D.;
 SERGHEYEV, Yu.A.; KOSTYUKHIN, D.I.; DUDUKIN, A.N.; IVANOV, A.S.;
 FINGENOV, V.P.; ZAKHMATOV, M.I.; SOLODKIN, R.G.; DUSHEN'KIN, V.N.;
 BOGDANOV, O.S.; SEROVA, L.V.; GONCHAROV, A.N.; KARKHIN, G.I.;
 LYUBSKIY, M.S.; PUCHIK, Ye.P.; SEROVA, L.V.; KAMENSKIY, N.N.;
 SABEL'NIKOV, L.V.; FEDOROV, B.A.; GERCHIKOVA, I.N.; KARAVAYEV, A.P.;
 KARPOV, L.N.; SHIPOV, Yu.P.; VLADIMIRSKIY, L.A.; KUTSENKOV, A.A.;
 RYABININA, E.D.; ANAN'YEV, P.G.; ROGOV, V.V.; BELOSHAPKIN, D.K.;
 SEYFUL'MULYUKOV, A.M.; PARFENOV, A.Ya.; SMIRNOV, V.P.; ALEKSEYEV,
 A.F.; SHIL'DKRUT, V.A.; CHURAKOV, V.P.; BORISENKO, A.P.; ISUPOV, V.T.;
 ORLOVA, N.V., red.; GORYUNOVA, V.P., red.; BELOSHAPKIN, D.K., red.;
 GEORGIYEV, Ye.S., red.; KOSAREV, Ye.A., red.; KOSTYUKHIN, D.I., red.;
 MAYOROV, B.V., red.; PANKIN, M.S., red.; PICHUGIN, B.M., red.;
 POLYANIN, D.V., red.; SOLODKIN, R.G., red.; UFIMOV, I.S., red.;
 EKHIN, P., red.; SMIRNOV, G., tekhn.red.

[Economy of capitalist countries in 1957] Ekonomika kapitalisti-
 cheskikh strah v 1957 godu. Pod red. N.V.Orlova, IU.N.Kapelinskogo
 i V.P.Goriunova. Moskva, Izd-vo sotsial'no-ekon.lit-ry, 1958.
 686 p. (MIRA 12:2)

1. Moscow. Nauchno-issledovatel'skiy kon'yunktorny institut.
 (Economic conditions)

KAPELINSKIY, Yu.N.; POLYANIN, D.V.; ZOPOV, G.M.; IVANOV, I.D.; SERGEYEV, Yu.A.; MEJZHINSKIY, Ye.A.; KOSTYUKHIN, D.I.; DUDUKIN, A.N.; IVANOV, A.S.; FINOGENOV, V.P.; ZAKHMATOV, M.I.; SOLODKIN, R.G.; DUSHEN'KIN, V.N.; BOGDANOV, O.S.; SEROVA, L.V.; GONCHAROV, A.N.; LYUBSKIY, M.S.; PUCHIK, Ye.P. [deceased]; KAMENSKIY, N.N.; SABEL'NIKOV, L.V.; GERCHIKOVA, I.N.; FEDOROV, B.A.; KARAVAYEV, A.P.; KARPOV, L.N.; VARTUMYAN, E.L.; SHIPOV, Yu.P.; ROGOV, V.V.; BOGDANOV, I.I.; VLADIMIRSKIY, L.A.; LEBEDEV, B.I.; ANAN'YEV, P.G.; TRINICH, F.A.; GOLOVIN, Yu.M.; MATYUKHIN, I.S.; SEYFUL'MULYUKOV, A.M.; SHIL'DKRIT, V.A.; ALEKSRYEV, A.F.; BORISENKO, A.P.; CHURAKOV, V.P.; SHASTITKO, V.M.; GERUS, V.G.; ORLOV, N.V., red.; KAPELINSKIY, Yu.N., red.; GORYUNOV, V.P., red. V redaktirovanii primali uchastiye: BELOSHAPKIN, D.K., red.; GEORGIYEV, Ye.S., red.; KOSAREV, Ye.A., red.; PANKIN, M.S., red.; PICHUGIN, B.M., red.; SHKARENKOV, Yu.S., red.; MAKAROV, V., red.; BORISOVA, K., red.; CHEPELEVA, O., tekhn.red.

[The economy of capitalistic countries in 1958] Ekonomika kapitalisticheskikh stran v 1958 godu. Pod red. N.V.Orlova, IU.N.Kapelinskogo, V.P.Goriunova. Moskva, Izd-vo sotsial'no-ekon.lit-ry, 1959. 609 p. (MIRA 12:12)

1. Moscow. Nauchno-issledovatel'skiy kon'yunktorny institut. (Economic conditions)

PICHUGIN, B.M.; SABEL'NIKOV, L.V.; BODRIN, V.V.; SOLODKIN, R.G.;
KRUZHKOVA, V.I.; SEROVA, L.V.; LYUBSKIY, M.S.; PUCHIK, Ye.P.
[deceased]; KAMENSKIY, N.N.; YASHCHENKO, G.I.; GERCHIKOVA, I.N.;
FEDOROV, B.A.; KARAVAYEV, A.P.; VINOGRADOV, V.M., red.;
SHELENSKAYA, V.A., red.izd-va; VOLKOVA, Ye.D., tekhn.red.

[Commercial policy of European capitalist countries] Torgovo-
politicheskii rezhim evropeiskikh kapitalisticheskikh stran.
Moskva, Vneshtorgizdat, 1960. 234 p.

1. Moscow. Nauchno-issledovatel'skiy kon'yunktorny institut.
(Europe, Western--Foreign trade regulation) (MIRA 14:2)

KARAVAYEV, Aleksey Petrovich; SHAKHOVA, L.I., red.; BARANOVA, N.N.,
tekh.red.

[Carrying out laboratory and practical exercises in a farm
mechanization school] Provedenie laboratorno-prakticheskikh
zaniatii v uchilishche mekhanizatsii sel'skogo khoziaistva.
Moskva, Vses.uchebno-pedagog.izd-vo Proftekhizdat, 1961. 30 p.
(MIRA 15:4)

1. Direktor uchilishcha mekhanizatsii sel'skogo khozyaystva No.1
Krasnodarskogo kraya (for Karavayev).
(Krasnodar Territory--Agricultural machinery--Study and teaching)

KARAVAYEV, Aleksandr Petrovich; VISENS, Khuan, red.; VASIL'YEVA, G.N.,
red. izd-va; TSAGURIYA, G.M., tekhn. red.

[Spain; economy and foreign trade]Ispania; ekonomika i vnesh-
naia trgovlia. Moskva, Vneshtorgizdat, 1962. 154 p.

(Spain--Economic conditions) (Spain--Commerce) (MIRA 16:1)

KARAVAYEV, A. V.

PHASE I

TREASURE ISLAND BIBLIOGRAPHICAL REPORT

AID 510 - I

BOOK

Authors: ASTAKHOV, M. F., KARAVAYEV, A. V., MAKAROV, S. Ya., and SUZDAL'TSEV, Ya. Ya.
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Kand. of Tech. Sci., Kurguzov, D. N., Eng., and Belous, A. A.

TEXT DATA

Coverage: This book is concerned exclusively with statics and does not contain problems not yet thoroughly verified in practice. The general character of the composition is entirely subordinated to the needs of engineers who start working in the field of aircraft strength calculations. Wherever it was possible, formulae were reduced through transformations or graphical interpretations to their practical form. Chapters in which new problems are considered contain more details than it should be expected from a handbook. The book contains, especially in parts 4 & 5, a comparatively large number of American and other foreign references. Diagrams, graphs,

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tables, formulae.

On the basis of a general examination it may be stated that the book does not contain unknown in the USA methods of calculation. The novelty of it consists of the compilation of methods of strength calculation which otherwise must be looked for in various handbooks, textbooks and technical periodicals.

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Purpose: This book is intended for engineers and designers; it may be useful also to students of aviation institutes of higher learning.

Facilities: None

No. of Russian and Slavic References: 14 before 1939, 38 after this date. A number of footnotes are given in parts 4 and 5.

Available: A.I.D., Library of Congress.

KARAVAYEV, A.V.

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