

BOL'SHAKOV, V.D., dotsent, kand. tekhn. nauk

Prospective development of linear measurements in city polygonometry.
Izv. vys. ucheb. zav.; geod. i aerof. no.3:11-17 '63.

(MIRA 17:1)

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

ACCESSION NR: AP4020396

S/0006/64/000/003/0017/0023

AUTHORS: Bol'shakov, V. D.; Demushkin, A. I.; Mikhaychev, V. S.

TITLE: Production trials of the light telemeter ST-61 in 1962

SOURCE: Geodeziya i kartografiya, no. 3, 1964, 17-23

TOPIC TAGS: light telemetry, surveying, quartz resonance, radio telemetry, radio triangulation, radio cartography, geodesic instrumentation, light telemeter ST 61

ABSTRACT: The authors continued performance trials of the light telemeter ST-61. Modifications of the instrument were made to increase the frequency modulation band width to 1.5 megacycles and to diminish errors in determining modulation frequencies. Field measurement tests were performed to find the relation of line length and relative mean quadratic error, and the results were tabulated. It was determined that an absolute mean quadratic error of +2.6 cm of length corresponds to a line length of from 0.14 to 4.0 km. The relative mean quadratic error for lines from 3.8 to 9.0 km in length was found not to exceed 1 : 39 000. Comparisons with conventional chaining methods indicate that the ST-61 is five times faster and yields a productivity fifteen times greater. A student group from MIIZ as well as
Card 1/2

ACCESSION NR: AP4020396

Ye. V. Gromov of Mosoblgeoproyekt participated in the measurements. Orig. art. has: 5 figures, 5 tables, and 3 equations.

ASSOCIATION: Ukrainskaya kompleksnaya geologomarksheyderskaya ekspeditsiya
(Ukrainian Combined Geological-Surveying Expedition)

SUBMITTED: 00

ENCL: 00

SUB-CODE: EC, ES

NO REF SOV: 001

OTHER: 000

Card 2/2

BOL'SHAKOV, V.D.; DEMUSHKIN, A.I.; MIKHEYECHEV, V.S.

Production tests of a ST-61 geodimeter in 1962. Geod. i kart.
no.3:17-23 Mr '64. (MIRA 17:9)

BOL'SHAKOV, Vasilii Dmitriyevich; SKIDANENKO, K.K., kand. tekhn.
nauk, retsenzent; BURMISTROV, G.A., kand. tekhn. nauk;
GAYDAYEV, P.A., doktor tekhn. nauk, red.

[Theory of errors of observation and the fundamentals of
the theory of probability] Teoriia oshibok nabliudeniia s
osnovami teorii veroiatnosti. Moskva, Nedra, 1965. 183 p.
(MIRA 18:10)

L 31116-66 EWT(d)/EWT(1) GW/BC

ACC NR: AP6007687

(A)

SOURCE CODE: UR/0413/66/000/003/0067/0068

AUTHORS: Demushkin, A. I.; Bol'shakov, V. D.; Klyushin, Ye. B.

835
53

ORG: none

TITLE: Electronic-optical method for determining distances. Class 42, No. 178507 [announced by Moscow Engineering Institute of Geodesy, Aerial Photography, and Cartography (Moskovskiy institut inzhenerov geodesii, aerofotos"yeni i kartografii)]

SOURCE: Izobreneniya promyshlennyye obrastysy, tovarnyye znaki, no. 3, 1966, 67-68

TOPIC TAGS: distance measurement, optic method, photoelectric method, *light source*

ABSTRACT: This Author Certificate presents an electronic-optical method for determining distances by measuring the modulation frequency of a light source producing a light beam traversing the measured distance. To utilize high-power light sources amenable to continuous modulation, the modulating voltage is obtained from a photoelectronic converter sensing the light beam coming from the distance.

SUB CODE: *03.20/* SUBM DATE: 10Mar66

Card 1/1 *83*

UDC: 528.517

ACC NR: AM6023691

Monograph

UR

Bol'shakov, V. D.; Levchuk, G. P., eds.

50
B+1

Manual for geodesist^y (Spravochnik geodezista) Moscow, Izd-vo "Nedra", 66. 0983 p. illus., biblio., tables. Errata slip inserted. 25,000 copies printed

TOPIC TAGS: geodesy, geodetic survey, geodetic instrument, photogrammetry, stereoscopic photography, data reduction

PURPOSE AND COVERAGE: This manual deals with the theoretical and practical aspects of geodetic work, the instruments, methods for measurements and surveys, and with leveling calculations. The basic geodetic works covered are: triangulation, traverses, level surveys, radio and light rangefinding, data reduction from measurements, and surface methods for topographic surveys (theodolitic, tachometric, and with plane table). The more important problems of aerial photography and photogrammetric survey methods (combined, differentiated, universal, and surface stereophotography) are clarified. Application of geodesy in studies and construction of engineering structures is considered. Basic propositions of spheroidal geodesy, the shape of the geoid and its gravimetry, as well as geodetic astronomy are included. A separate part contains general information on mathematics, physics, and electronics. The manual is intended for engineers and technicians working in geodesy and conducting topographic surveys, and for those conducting studies and preparing layouts of engineering structures. It will be useful for students specializing in geodesy at higher and secondary educational institutions.

Card 1/2

UDC: 528(038)

ACC NR: AM6023691

TABLE OF CONTENTS [abridged]:

Foreword - - 3
Part I. Information on mathematics, physics, and radio technology - - 7
Part II. Mathematical treatment of results obtained in geodetic measurements - - 123
Part III. Basic astronomic-geodetic and geodetic works - - 283
Part IV. Topographic and photogrammetric surveys - - 729
Part V. Geodetic work in studies and construction of engineering structures - - 881

SUB CODE: 08/ SUBM DATE: 21Dec65/ ORIG REF: 099

ms
Card 2/2

BOL'SHAKOV, V.F.; SVETLITSKIY, S.M.

Screw conveyor for plaster mortar. Rats. i izobr. predl. v
stroj. no.86:16-18 '54. (MLRA 8:8)

1. Trest Zaporozhtroy
(Plastering) (Conveying machinery)

BOL'SHAKOV, V.F.

Worm conveyor for bricklaying mortar. Rats. i isobr. predl. v stroi.
no.91:20-22 '54. (MIRA 8:8)

1. Otdel izobretatel'stva i ratsionalizatsii Ministerstva stroitel'stva.
(Bricklaying) (Conveying machinery)

31862
S/123/61/000/023/014/018
A052/A101

1.8000 1482 1496

AUTHOR: Bol'shakov, V. F.

TITLE: Radiometric method of evaluating the quality of machined surfaces

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 23, 1961, 13, abstract 23E73 ("Tr. Tsent. n.-i. in-ta morsk. flota", no. 31, 1960, 94-105)

TEXT: A method of evaluating the quality of machined surfaces by means of measuring the intensity of reflected radioactive radiation is suggested. Excluding the penetrating (γ) and absorbed (α) radiations and in view of the safety requirements, the following commercial β -emitting isotopes are used: C^{14} , Cl^{36} , Sr^{90} , Pm^{147} and Er^{169} . Basing on the methods of geometrical optics a qualitative dependence was established of the intensity of reflected radiation on the average size of micro-unevenness and on the density of material. Experimental investigations carried out on steel, iron and copper parts with different grades of finish (unevenness from 150 - 200 to 2 - 7 microns) are described. The effect of heat treatment and case hardening of steel parts as well as of the surface curvature has been studied. It is established that 1) the dependence of the intensity of reflected radiation on the roughness of the surface has the

Card 1/2

X

Radiometric method of evaluating ...

31862
S/123/61/000/023/014/018
A052/A101

form of a down-graded straight line; 2) the slope angle of the line increases to some extent with an increase of the density of material; 3) the hardness of the surface does not influence the results of measurements; 4) the surface curvature is immaterial at $R \gg \sim 5$ mm for the described design of the device. The experimental investigation was carried out by means of a pickup performed in two variants: with CTC-5 (STS-5) counter and with MCT-17 (MST-17) spray counter. Chloride of Sr^{90} was used as a source. The obtained results and selected conditions of incidence, reflection and registration of β -rays are recommended as a basis for working out a pickup unit for evaluating the roughness of products in engineering. There are 9 figures. X

F. G. M.

[Abstracter's note: Complete translation]

Card 2/2

BOL'SHAKOV, V.F.

Use of radioactive isotopes for the determination of the shaft
horsepower of a ship power plant. Inform. sbor. TSNIIMF
no. 68. Tekh. ekspl. mor. flota no. 11:50-55 '61. (MIRA 15:9)
(Marine engines)
(Radioisotopes--Industrial applications)

AUTHOR: Bol'shakov, V. F. S/263/62/000/010/005/013
1028/1250

TITLE: Characteristics of the purity control in processing of the surfaces of parts by the radiometric method

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk. 32 Izmeritel'naya tekhnika, no. 10, 1962, 19, abstract 32.10.135. "Inform. sb. Tsentr. n.-i. in-t. morsk. flota," no. 65, 1961, 93-98

TEXT: There are indications that the radiometric method, based on the use of β -radiation, is especially suited for the roughness control of the surface of large-size parts. A radiometric device, consisting basically of a radiometric unit and a roughness-sensing element connected electrically to the unit, is described. Sr^{90} is used as the radiation source. The isotopes C^{41} and Cl^{36} can also be used. The radiometric device is connected to the electronic network for control, and the artificial background of the sensing element is measured. After checking the coincidence between indications of the installation and the graphical data, the sensing element is established on the controlled surface so that the exit edges of the slit are perpendicular to the disk, and the intensity of the reflection of the β -particles is measured. In order to decrease statistical errors, 3-5 experiments of a duration of not less than one minute each must be carried out. During continuous work it is necessary to take into account the decrease in the activity of the radiation source and to introduce a correction according to a given formula. The method is suitable for purity control of surface processing in the range of the first-ninth purity classes. There are 4 figures and 5 references.

[Abstracter's note: Complete translation.]

Card 1/1

BOL'SHAKOV, V.F.

Use of radioactive rays in the control and measuring devices of marine diesel engines. Inform. sbor. TSNIIMF no.73. Tekh. ekspl. mor. flota no.13:85-91 '62. (MIRA 16:3)
(Radioisotopes--Industrial application) (Marine diesel engines)

BOL'SHAKOV, V. F.

Using radioactive rays in measuring equipment. Inform.sbor.
TSNIIMF no. 87 Tekh.ekspl. mor.flota no. 20:107-109 '62.
(MIRA 17:5)

BOL'SHAKOV, V.F.

Measuring the thickness of the carbon deposit on the outlet ducts of marine diesel engines by the β -ray backscattering method. Inform. sbor. TSNIIMF no.96. Tekh. ekspl. mor. flota no.23:75-83 '63 (MIRA 18:1)

BOL'SHAKOV, Valentin Filippovich; MIGACHEV, B.S., red.

[Radioactive radiations in the instrumentation of marine power plants] Radioaktivnye izlucheniia v kontrol'no-izmeritel'nykh priborakh sudovykh silovykh ustanovok. Moskva, Transport, 1964. 100 p. (MIRA 18:2)

ACC NR: AT6027162

(N)

SOURCE CODE: UR/2752/66/000/071/0097/0102

AUTHOR: Bol'shakov, V. F.

ORG: none

TITLE: The problem of the quality of DT-1 motor fuel

SOURCE: Leningrad. Tsentral'nyy nauchno-issledovatel'skiy institut morskogo flota. Trudy,
no. 71, 1966. Tekhnicheskaya ekspluatatsiya morskogo flota (Technical operation of the
Merchant Marine), 97-102

TOPIC TAGS: fuel composition, fuel property, diesel fuel, cetane number

ABSTRACT: The article presents a suggestion for improving the quality of motor fuel DT-1, as well as conditions for stricter control by introduction of new quality indicators. The steps for improving the quality of DT-1 are: reduction of the norm for sulfur content in the fuel from 2.5 to 1.5% and increase of the norm for flash temperature from 65 to 80°C. DT-1 should be normalized as to density and cetane rating: the density norm should be 0.92; the cetane rating — 40. Orig. art. has: 4 figures.

SUB CODE: 21/ SUBM DATE: none

Card 1/1

UDC: 662.75:621.43.057.2

BOL'SHAKOV, V.G.

Hydraulic removal of slag
Tekst. prom., no. 2, 1952

BOL'SHOV, V.G.

Experimental study of the thermionic and secondary electron emission of copper and germanium during the transition from the solid to the liquid state. Izv.AN SSSR.Ser.fiz. 2- no.10:1128-1134 0 '56.

(MLRA 10:1)

1. Leningradskiy fiziko-tekhnicheskii institut Akademii nauk SSSR.
(Thermionic emission) (Electron emission)

BOL'SHOV, V.G.; SELEZNEV, V.K.

Secondary electron emission of copper, germanium and tin in the
solid and liquid state. Zhur. tekhn.fiz. 26 no.8:1657-1664 Ag '56.
(Electron emission) (Metals) (MLRA 9:11)

BOL'SHAKOV, V. I.

IA 255T50

USSR/Electricity - Turbogenerators Jan 53
Engineering - Turbine Blades

"Arc Welding for Eliminating Dangerous Vibration
in Turbine Blades," P. N. Shlyakhin, Cand Tech
Sci, Engr V. I. Bol'shakov

Elek Sta, No 1, pp 53-55

Describes arc-welding method used to eliminate
dangerous vibration in blades of last stage of
Siemens-Schuckert 35,000-kw, 3,000-rpm turbine.
Notes compn of alloys used. Work done by Khar'kov
Turbogenerator Plant, and by Central Exptl

255T50.

Welding Workshops, Glavkislrod, Min Chem Industry.
Mentions superiority of arc-welding over silver
solder for eliminating resonance in gas-turbine
blades.

BOL'SHAKOV, V.I.

Work experience of Communist Youth League and Pioneer organizations
in inculcating schoolchildren with a love for agricultural labor.
Est. v shkole no.4:35-40 J1-Ag '54. (MLRA 7:8)
(Agriculture--Study and teaching)

BOL'SHAKOV, V.I., inzh.

Conversion of a condensing turbine to heating operation.
Energetik 9 no.11:21-22 N '61. (MIRA 14:12)
(Steam turbines)
(Heating from central stations)

BOL'SHAKOV, V.I., inzh.; PLAKHOTNEV, A.N., inzh.; KAUL', R.A., kand.tekhn.
nauk; KROMOV, A.G., kand.tekhn.nauk

Increasing the economic efficiency of the AK-25-1 turbine. Elek.
sta. 32 no.8:77-80 Ag '61. (MIRA 14:10)
(Steam turbines)

KOZHEVNIKOV, S.N.; SKICHKO, P.Ya., kand.tekhn.nauk; LENSKIY, A.N., inzh.;
LOBODA, V.M., inzh.; BOL'SHAKOV, V.I., inzh.

Determination of optima conditions of reduction mill operations.
Trudy Inst.chern.met.AN URSR 16:70-77 '62. (MIRA 15:12)
(Rolling mills--Electromechanical analogies)

KOZHEVNIKOV, S.N.; PRAZDNIKOV, A.V., kand.tekhn.nauk; LENSKIY, A.N., inzh.;
BOL'SHAKOV, V.I., inzh.

Investigating on an electron model the performance of the main
line of a Pilgrim mill. Trudy Inst.chern.met.AN URSR 16:88-
104 '62. (MIRA 15:12)

1. Chlen-korrespondent AN UkrSSR (for Kozhevnikov).
(Rolling mills)
(Electronic analog computers)

L 33113-66 EWT(d)/T/EWP(1) IJP(c) BB/GG

ACC NR: AP6024082

SOURCE CODE: UR/0144/66/000/002/0213/0214

AUTHOR: Lenskiy, A. N.; Bol'shakov, V. I.

53
B

ORG: none

TITLE: Electronic modeling of collisions in mechanical systems

SOURCE: IVUZ. ¹⁶⁶Elektromekhanika, no. 2, 1966, 213-214

TOPIC TAGS: mathematic model, electronic circuit, circuit design, mechanical engineering, model ⁶

ABSTRACT: A general method is suggested for modeling mechanical systems with play, based on the usage of a single mathematical description, in contrast to the previously used varying mathematical systems of description for systems with varying types of masses and varying connections. According to the method suggested, the movement equations for three-mass mechanical systems with gaps between masses and gaps in the connecting system can be described identically. A schematic diagram of the electronic circuit to realize the single equation is presented. The question of energy degradation is not discussed. Orig. art. has: 3 figures. [JPRS]

SUB CODE: 13, 09 / SUBM DATE: 26Nov63 / ORIG REF: 001

Card 1/1 *DD*

UDC: 621.3.032.26.+518.3

0915

1646

PERSHIN, N.I.; ALEKSANDROV, V.I.; ILLERITSKIY, N.Ye.; TABACHKOV, I.F.;
BOL'SHAKOV, V.I.; KANAR', I.A.; YAS'KO, A.M.; KLYUKIN, A.P.;
POLYAKOV, V.S.; FILIPPOVA, N.A.; SMAGORINSKIY, B.S., red.;
IZHBOLDINA, S.I., tekhn. red.

[The millionth tractor; on the occasion of the 30th anniversary of the Stalingrad Tractor Plant (1930-1960)] Millionnyi traktor; k 30-letiu Stalingradskogo traktornogo zavoda (1930-1960). Stalingrad, Stalingradskoe knizhnoe izd-vo 1960. 94 p. (MIRA 16:9)

1. Stalingradskiy traktorny zavod im. Dzerzhinskogo.
(Volgograd--Tractor industry)

LENSKIY, Aleksandr Nikolayevich, kand.tekhn.nauk, starshiy nauchnyy
sotrudnik; BOL'SHAKOV, Vadim Ivanovich, starshiy inzhener

Program control block of an electronic model of a reversible rolling
mill. Izv.vys.ucheb.zav.; elektromekh. 7 no.1:80-85 '64.

(MIRA 17:9)

BOL'SHAKOV, V.M.

PHASE I

TREASURE ISLAND BIBLIOGRAPHICAL REPORT

AID 482- I

CALL NO.: AF639674

BOOK

Authors: BASOV, M. I., KAND. OF TECH. SCI., FEL'DSHTEYN, T. I., KAND. OF TECH. SCI., BRAYMAN, L. ., ENG., STIGNEV, M. F., ENG., KRYSINA, M. V., ENG., BOL'SHAKOV, V. M., TECH., BYCHKOV, P. P., ENG., BARYLOV, G. I.

Full Title: CUTTING TOOLS WITH HARD*ALLOY MULTIPLE BLADE INSERTS

Transliterated Title: Rezhushchiye instrumenty s mnogolezviynymi vstavkami iz tverdogo splava

PUBLISHING DATA

Originating Agency: None

Publishing House: State Scientific and Technical Publishing House of Machine-Building Literature (Mashgiz)

Date: 1952

No. pp.: 110

No of copies: 8,000

Editorial Staff

Editor: Basov, M. I., Kand. of Tech. Sci.

TEXT DATA

Coverage: This monograph is the collective work of authors from the Institute of the Organization of the Automobile Industry, the Gor'kiy Automobile Plant im. Molotov (ZIM) and the Moscow Automobile Plant im. Stalin (ZIS). The authors describe the designs of modern cutting tools with hard-alloy multiple blade inserts, the results of their study and experience with the tools' cutting properties, and the advantages of

Rezhushchiye instrumenty s mnogolezviynymi
vstavkami iz tverdogo splava

AID 482-I

these tools. Detailed descriptions of each tool type are given, with instructions for design, operation and practical use. The book contains data on the efficiency of the new tool designs in line production, and recommendations with reference to the operating conditions of these tools, as well as many illustrations, tables and diagrams. Of possible interest is the description of the electric spark technique on the OKB MSS single-circuit bench lathe used in the First State Bearing Plant im. Kaganovich (pp. 87-88, with illustrations).

Table of Contents

	Pages
Foreword	3
Introduction	5-12
Ch. I Design of Tools with Hard-Alloy Multiple Blade Inserts	13-58
(Working principles; Shapes and sizes of inserts; Design of holders; ZIM type cutters; Design of milling cutters)	
Ch. II Cutting Properties of Tools with Hard-Alloy Multiple Blade Inserts (Cutters; Milling cutters)	59-79
Ch. III Operation of Tools with Hard-Alloy Multiple Blade Inserts	80-89
(Preparing the inserts for the operation; Grinding the inserts)	

2/3

Rechushchiye instrumenty s mnogolezviynymi
vstavkami iz 'verdogo splava

AID 482-1
PAGES

- | | | |
|--------|--|---------|
| Ch. IV | Experience in Industrial Use of Tools with Hard-
Alloy Multiple Blade Inserts | 90-102 |
| Ch. V | Efficiency of Use of tools with Hard-Alloy
Multiple Blade Inserts | 103-109 |

(Efficiency of use of: 1) cutters with prismatic inserts;
2) ZIM cutters with inserted plates; 3) Face milling
cutters with cylindrical inserts; Increased efficiency
of tools with hollow inserts)

Purpose: The book is intended for engineers, technicians and Stakhanovites in machine-building plants.

Facilities: "Orgavtoprom" (Organization of the Automobile Industry)
Institute; ZIM (Gor'kiy Automobile Plant im. Molotov); ZIS (Moscow
Automobile Plant im. Stalin)

No. of Russian and Slavic References: None

Available: A. I. D. Library of Congress

3/3

BOL'SHAKOV, V.M.; Inzh.

Over-all mechanization of plastering
Biul. stroi. tekhn., 9, no. 3, 1952
Trest Mosgrazhdanuglezhilstroy

BOL'SHAKOV, V. M.

7534

BOL'SHAKOV, V. M. ZASHCHITNAYA RESHETKA (?) OKONNOGO BLOKA I NOVAYA
KONSTRUKTSIYA DVERNOGO BLOKA. M., 1954. IIS. S ILL. 22 SM. (M-VO
UGOL'NOY PROM-STI SSSR. TEKHN. UPR. TSENTR. IN-T. TEKHN. INFORMATS
11): 3.000 EKZ. BESPL. --(55-3583) 69.028

SO: KNIZHNAYA LETOPIS -- Vol. 7, 1955

BOL SHAKOV, V. M.

USSR/Engineering - Metal cutting

Card 1/1 : Pub. 12 - 6/16

Authors : Stigneev, YA. F.; Fel'dshteyn, E. I.; Bol'shakov, V. M.; and
Troitskaya, D. N.

Title : The use of V. Kolesov's method in a continuous production

Periodical : Avt. trakt. prom. 7, 23-26, July 1954

Abstract : The article deals with high-speed cutting, and turning of metals at increased feeds on multi-cutter semi-automatic machines, in accordance with methods developed by V. Kolesov. Diagrams; tables; drawings; illustrations.

Institution :

Submitted :

КОЗЛОВ, Н.Я., инженер; БОЛ'ШАКОВ, В.М., инженер

Rolling method of making wall panels. Mekh.trud.rab. 9 no.4:21-23
Ap '55. (Walls) (MIRA 8:7)

KOZLOV, N.Ya., inzhener; BOL'SHAKOV, V.M., inzhener.

Making large gypsum concrete wall panels for rolling mills.
Rats. i izobr.predl.v stroi.no.121:18-21 '55. (MLRA 9:7)
(Walls)

BOL'SHAKOV, V.

KOZLOV, N., inzh.; BOL'SHAKOV, V., inzh.

Large-panel rolled partitions. Gor.i sel.stroi. no.8/9:10-12
Ag-S '57. (MIRA 10:12)

(Walls) (Concrete panels)

KOZLOV, Nikolay Yakovlevich, inzh.; BOLISHAKOV, Vitaliy Mikhailovich, inzh.;
KAZARNOVSKIY, Zinovy Iosifovich, inzh.; BIRGER, A.I., inzh., nauchnyy
red.; KRYUGER, Yu.V., red. izd-va.; SOLNTSEVA, L.M., tekhn. red.;
EL'KINA, E.M., tekhn.red.

[Rolled partitions and facing panels; production and use]. Prokatnye,
peregorodochnye i oblitsovochnye paneli; proizvodstvo i primeneniye.
Moskva, Gos. izd-vo lit-ry po stroit., arkhitekt. i stroit. materialam,
1958. 110 p. (MIRA 11:12)

(Concrete slabs)

KOZLOV, N., inzh.; BOL'SHAKOV, V., inzh.

Rolling construction components. Stroi. mat. 4 no.1:14-18 Ja '58.
(MIRA 11:2)

(Walls) (Concrete blocks)

КОЗЛОВ
KOZIOV, N.Ya., inzh.; BOL'SHAKOV, V.M., inzh.

New plant producing rolled wallboard. Gor. khoz. Mosk. 32 no.1:13-
17 Ja '58. (MIRA 11:1)

(Moscow--Wallboard)

BOI'SHAKOV, V.M.; VINOGRADOV, A.M.; DOROKHOV, A.N.; KAZAKOV, I.V.; MERTUMYAN,
A.K.; ROMANOV, A.A.; SEMEMOVSKIY, V.D.

Floors made of large rolled gypsum cement concrete panels. Stroi.
mat. 7 no.9:26-28 S '61. (MIRA 14:11)
(Floors, Concrete)

BRAKHMAN, I.A.; KISELEV, Ye.N.; RUSYY, V.D.; ZHITNITSKIY, S.I.;
REKSHINSKAYA, T.P.; BOL'SHAKOV, V.M.; PROVOROV, V.V.

Using compact-grained hard alloys in the automobile industry.
Avt. prom. 31 no.2:38-41 F '65.

(MIRA 18:3)

1. Nauchno-issledovatel'skiy institut tekhnologii avtomobil'noy
promyshlennosti, Minskiy avtozavod, Bryanskiy avtozavod, Moskov-
skiy zavod malolitrzhnykh avtomobiley, Gor'kovskiy avtozavod i
Yaroslavskiy motornyy zavod.

BOL'SHAKOV, V.M.; ZEL'DIN, Ye.S. [deceased]; MINTS, R.P.; FURAYEV, N.A.

Dynamics of an oscillator - rotor system. Izv. vuz. ucheb.
zav.; radiofiz. 8 no.2:359-371 '65. (MIRA 16:6)

1. Nauchno-issledovatel'skiy fiziko-tekhnicheskii institut pri
Gor'kovskom universitete.

OGARKOV, I.P.; BELYAYEV, P.A.; AL'MYASHEV, K.Kh.; BOL'SHAKOV, V.N.

Characteristics of 1957 tularemia outbreaks in the Ural Mountain
region. Zhur.mikrobiol.spid.i immun. 31 no.9:131-134 S '60.
(MIRA 13:11)

(URAL MOUNTAIN REGION--TULAREMIA)

BOL'SHAKOV, V.K.; SYUTKINA, K.A.

Ectoparasite fauna of murine rodents in Sverdlovsk Province.
Trudy Ural. otd. MOIP no.2:125-128 '59. (MIRA 14:11)
(Sverdlovsk Province--Insects, Injurious and beneficial)
(Parasites--Rodentia)

BOL'SHAKOV, V.N.; SHVARTS, S.S.

Taxonomic characteristics of the red-backed bank vole
Chlethrionomys rutilus from the subarctic areas of North
America. Trudy Inst.biol.UFAN SSSR no.29:53-56 '62.

(MIRA 16:2)

(Alaska--Field mice) (Canada--Field mice)
(Morphology (Animals))

BOL'SHAKOV, V.N.; SHVARTS, S.S.

Some characteristics of the geographical variability of rodents
in a solid area as exemplified by field mice of the genus
Clethrionomys. Trudy Inst.biol.UFAN SSSR no.29:29-44 '62.

(MIRA 16:2)

(Field mice)

(Zoology—Ecology)

BOL'SHAKOV, V.N.

Individual variability of color in two species of forest voles
(*Clethrionomys rutilus* Pall, and *C. glareolus* Schreb.) - Trudy
Inst. biol. UFAN SSSR no. 29:125-127 '62. (MIRA 16:2)
(Field mice) (Color of animals)

BOL'SHAKOV, V.N.

New habitats of the red-backed bank vole *Clethrionomys rufocanus*
Sund. in the Southern Urals. Zool. zhur. 42 no.8:1272-1273
'63. (MIRA 16:9)

1. Laboratory of Zoology, Institute of Biology, Ural Branch
of the Academy of Sciences of U.S.S.R., Sverdlovsk.
(Ural Mountains--Field mice)

SHVARTS, S.S.; BOL'SHAKOV, V.N.; PYASTOLOVA, O.A.

New data on various methods of the adaptation of animals to
the change of environment. Zool. zhur. 43 no.4:483-487 '64.
(MIRA 17:8)

1. Institut biologii Ural'skogo filiala AN SSSR, Sverdlovsk.

BOL'SHAKOV, V.N.

Materials on the comparative study of the geographical variability
of internal characters of related vole species. Trudy Inst. biol.
UFAN SSSR no.38:53-60 '65.

(MIRA 18:12)

BOL'SHAKOV, V.N.; SHVARTS, S.S.

New subspecies of the red-backed vole (*Clethrionomys rutilus*
tundrensis subsp. nov.). Trudy Inst. biol. UFAN SSSR no. 38:63-
64 '65. (MIRA 18:12)

AER

Boundary Layer +
Aerodynamics

On Motion of Fluid in Boundary Layer Near Line of Inter-
 section of Two Planes. I. G. Lukatskii and V. P. Malahukov.
 (Moscow, Tsentrallyy Aero Gidrodinamicheskii Institut, Trudy, No
 379, 1950.) U.S., N.A.C.A., Technical Memorandum No. 1305,
 November, 1951. 27 pp., illus. 1 reference.

Formulation of the problem of the interaction of the boundary
 layers near the intersection of a dihedral angle of from 90° to 180° ;
 solution by the von Kármán-Pohlhausen method; analysis of the
 interference limits and of the drag correction due to the inter-
 ference effect

1
May 52

KOSTYUKOV, Aleksandr Aleksandrovich; BOL'SHAKOV, V.P., kand.tekhn.nauk,
otv.red.; MIKHAYLOV, N.G., kand.tekhn.nauk, otv.red.; OSVENSKAYA,
A.A., red.; SHISHKOVA, L.M., tekhn.red.

[Theory of ship waves and wave resistance] Teoriia korabel'nykh
voln i volnovogo soprotivleniia. Leningrad, Gos.soiuznoe izd-vo
sudostroit.promyshl., 1959. 310 p. (MIRA 13:1)
(Ship resistance) (Waves)

ABALAKOV, Yevgeniy Mikhaylovich [deceased]; TIKHONOV, N., otv. red;
LETAVET, A., otv. red.; BOL'SHAKOV, V.P., red.; DOROKHINA,
I.N., tekhn. red.

[On the highest summits of the Soviet Union] Na vysochai-
shikh vershinakh Sovetskogo Soiuza. Moskva, Izd-vo AN SSSR,
1962. 489 p. (MIRA 16:10)
(Mountaineering)

BOL'SHAKOV, V.S., starshiy elektromekhanik.

Automatic offices need spare parts. Avtem., telem. i sviaz' 2 no.11:
42 N '58. (MIRA 11:12)

1. Novosibirskaya avtomaticheskaya telefonnaya stantsiya Tomskey
deregi. (Railroads--Telephone)

BOL'SHAKOV, V.S., elektromekhanik

Wire identification by a single electrician. Avtom., telem. i
sviaz' 5 no.12:32 D '61. (MIRA 14:12)

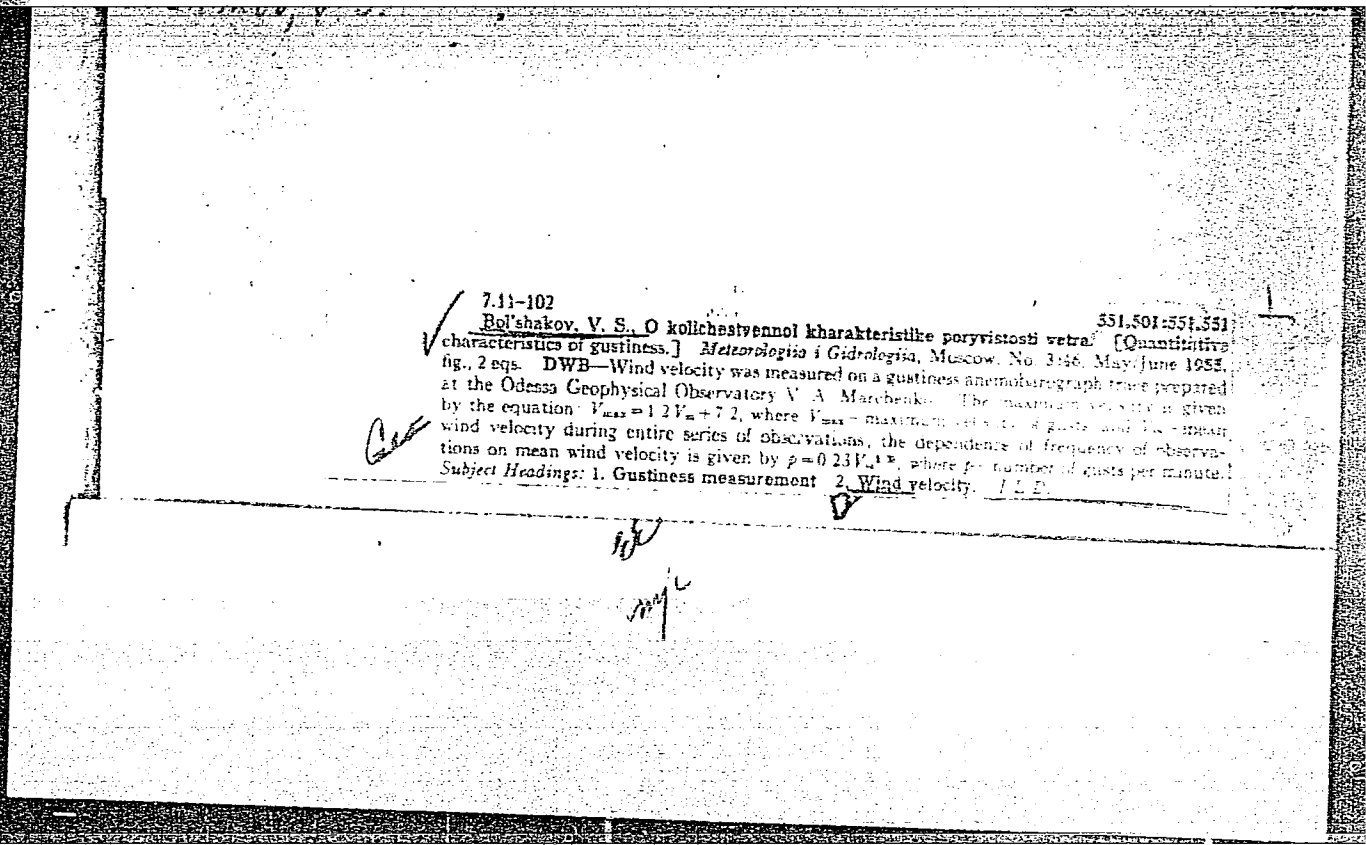
1. Novosibirskaya distantziya signalizatsii i svyazi Zapadno-Sibir-
skoy dorogi.

(Electric lines--Testing)

Бол'Шakov, V. S.

"On a source of error in the calculation of sea-level on the basis of rivers", Problemy Arktiki, 1949, No. 2, p. 117.

SO: U-2883, 12 Feb. 53, Letopis' Zhurnal 'nykh Statey, No. 2, 1949).



BOL'SHAKOV, V.S.

Maximum wind acceleration in scales. Meteor.1 gidrol. no.9:32-33
S '56. (MLRA 9:11)

(Winds)

49-58-4-13/18

AUTHOR: Bol'shakov, V.S.

TITLE: Contact of River and Sea Water in the North-Western Part of the Black Sea (O kontakte rechnykh i morskikh vod v severo-zapadnoy chasti Chernogo morya)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Geofizicheskaya, 1958, Nr 4, pp 554-557 (USSR)

ABSTRACT: The author gives details of the contact between river and sea water around the mouths of the Dnepr, Bug, Dnestr and Danube rivers. The observations were made from an aeroplane during 1954; they were mainly visual, but photographs were taken of the most interesting configurations. It was established that river water almost completely fills the Dnepr, Bug and Dnestr estuaries and the 'hydrofronts' (i.e. lines of contact) follow the seaward side of the Kinburnsk estuary and the Tsaregradsk mouth. The Dnepr, Bug, Dnestr and Danube fronts were always sharply defined. The position of the first depended considerably on the wind direction: with South-West and West winds, the front lay along the line Cape Adzhiyasskiy-Dolgiy Island. In North-East and East winds, the front lay close to the Northern shore. The front in the Dnestr estuary always maintained an arc-shaped outline. The river water stretched some 2 to 3 miles perpendicular to the front.

Card 1/4

49-58-4-13/18

Contact of River and Sea Water in the North-Western Part of the Black Sea.

ular to the shore and 5 to 7 miles along its length. The extension was variable - with South and West winds the river water was moved North-Eastwards (and vice versa for opposite winds), but in these cases the boundary remained well-defined on photographs. The Danube front was a good deal more stable. It was always parallel to the shore near the Danube delta and at a distance of 5 to 7 miles: approaching closer in East and North-East winds and receding in South-West and West winds. The structure of the fronts appeared to be the same in all three regions. In quiet weather with little wind, the front travelled in a normal direction with slowly increasing curvature, and was clearly distinguishable. The front itself was generally of finite width, consisting of 3-5 bands of yellow-brown water divided by bands of yellow-green seawater. With winds stronger than 4 m/sec the bands disappeared and the front developed a scalloped appearance; this increased with the wind velocity until the front was completely destroyed in storms. Large scale current eddies did not appear in the fronts. Further investigations were made in 1955 from a motor boat. The

Card 2/4

49-58-4-13/18

Contact of River and Sea Water in the North-Western Part of the Black Sea.

author describes the results which were obtained from different stations in the region. These show that currents can change very quickly in direction and intensity in the estuary and a front can move into the estuary from far out at sea. Such changes cannot be ascribed to wind. A general survey was made of currents in the region round the Danube and a description of the results is now given. Since the measurements only took four days to make, the author is able to describe the exact conditions for which the results hold. The results indicated that the flow velocity behind the front can drop as sharply as 0.3 m/sec in 100 metres. There were indications of the existence of eddies round a horizontal axis, evoked by the strengthened underflow of sea water from the depths up to the line of the front. The distribution of salinity and flow of water in the Danube region indicates a clockwise circulation of water in the region of sea bordering on the front. The centre of rotation seems to be 5-7 miles to the North of Zmeinyy Island. It can be said that the vertical and horizontal eddies are due to purely hydrodynamic processes stemming from the mixing of the two types of water. In calm weather the front moves seawards

Card 3/4

49-58-4-13/18

Contact of River and Sea Water in the North-Western Part of the Black Sea.

with velocities of up to 0.5 m/sec, whilst the boundary becomes less well-defined. There are 5 figures.

SUBMITTED: May 6, 1957.

1. Hydrology 2. Inland waterways 3. Black Sea

Card 4/4

ANDRONOV, Leonid Petrovich, dotsent, kand.tekhn.nauk; BOL'SHAKOV, Vladimir Sergeyevich, dotsent, kand.geogr.nauk; YERMOLAYEV, German Grigor'yevich, dotsent, kand.fiz.-matem.nauk; ZOTEYEV, Yevgeniy Stepanovich, kand.fiz.-matem.nauk; KIRIN, Yuriy Pavlovich, starshiy prepodavatel'; CHERNIYEV, Leonid Fedorovich, dotsent, kand.fiz.-matem.nauk; GRISHIN, Yu.A., spetsred.; SERKO, G.S., red.; TIKHONOVA, Ye.A., tekhn.red.

[Handling of seagoing vessels] Morskoe sudovozhdenie. Moskva, Izd-vo "Morskoi transport," 1959. 381 p. (MIRA 13:2)
(Ship handling)

BOL'SHAKOV, V.S.

— Absolute underwater illumination in the coastal zone near Odessa,
in the northwestern part of the Black Sea. Nauk.zap.Od.biol.sta.
no.2:85-92 '60. (MIRA 14:11)
(LANZHERON CAPE REGION--SEA WATER--OPTICAL PROPERTIES)

BOL'SHAKOV, V., kand.geogr.nauk, starshiy nauchnyy sotrudnik

Maneuvering of ships to avoid storm areas. Mor.flot 21 no.3:10-21
Mr '61. (MIRA 14:6)

1. Odesskaya biologicheskaya stantsiya.
(Navigation)

BOL'SHAKOV, V.S.

Note on the structure of the Danubian hydrological front. Okeanologiya
2 no.4:640-641 '62. (MIRA 15:7)

1. Odesskaya biologicheskaya stantsiya.
(Danube River—Hydrology)

BOL'SHAKOV, V.S.

Fluctuations of the hydrological front of the Danube River.
Nauk. zap. Od.biol. sta. no.3:129-131'61. (MIRA 16:6)
(DANUBE RIVER ESTUARY—HYDROLOGY)

BOL'SHAKOV, V.S.

Study of the hydrology of the upper meter-deep layer of water of
the Black Sea. Nauk.zap.Od.biol.sta. no.5:63-70 '64.

(MIRA 18:1)

BOL'SHAKOV, V.S.; ROZENGURT, M.Sh. [Rozenhurt, M.Sh.]; BALINSKAYA, N.S.
[Balyns'ka, N.S.]; TOLMAZIN, D.M.

Characteristics of water masses in the northwestern part of the
Black Sea. Nauk.zap.Od.biol.sta. no.5:81-99 '64.

(MIRA 18:1)

ANDRONOV, L.P., kand. tekhn. nauk, dots.; BOL'SHAKOV, V.S., kand.
geogr. nauk, dots.; YERMOLAYEV, G.G., kand. fiz.-mat.
nauk; KIRIN, Yu.P., st. prepod.; CHERNIYEV, L.F., kand.
fiz.-mat. nauk, dots.; ZOTEYEV, Ye.S., kand. fiz.-mat. nauk;
SERKO, G.S., red.
[Sea navigation] Morskoe sudovozhdenie. Izd.2., perer.
Moskva, Transport, 1964. 454 p. (MIRA 17:12)

AKSYUTIN, Leonid Radionovich, inzh.-sudovoditel'; BOL'SHAKOV,
Vladimir Sergeeyevich, kand. geogr. nauk; STUPAKOVA,
L.A., red., red.

[Hydrometeorological service on maritime vessels] Gidro-
meteorologicheskaya sluzhba na morskikh sudakh. Moskva,
Transport, 1964. 82 p. (MIRA 18:7)

L 45331-66 ENT(1) GW

ACC NR: AP6024329 (N) SOURCE CODE: UR/0021/66/000/004/0460/0462

AUTHOR: Bol'shakov, V. S.; Bezfamil'na, R. M. -- Bezfamil'naya, R. M.;
Rozenhurt, M. Sh. -- Rozengurt, M. Sh.; Tolmazin, D. M. 22
B

ORG: Odessa Branch of the Institute of Biology of the Southern Seas, AN URSR
(Odés'ke Viddilen ya Instytutu biologiyi pivdeanykh moriv AN URSR)

TITLE: Water circulation in the central part of the Black Sea ✓

SOURCE: AN UkrRSR. Dopovidi, no. 4, 1966, 460-462

TOPIC TAGS: ocean dynamics, ocean current, oceanography, water surface/
BLACK SEA

ABSTRACT: The paper deals with the dynamics of currents in the central part of the Black Sea. By means of a special oceanographic survey, the authors studied the character of the surface and deep currents and calculated the coefficient of vertical turbulent diffusion at different water levels. The results of investigations are presented in the original source. The calculations confirm the existence of

Card

Card 1/2

BOL'SHAKOV, V.S., elektromekhanik

Shortcomings of different automatic step-by-step exchanges.
Avtom. telem. i sviaz' 8 no.9:28 S '64. (MIRA 17:10)

1. Novosibirskaya distantsiya Zapadno-Sibirskoy dorogi.

BOL'SHAKOV, Valentin

In the world of peaks, glaciers and rocks. Nauka i zhizn' 30
no.5:51 My '63.

At the borders of Neptun's Kingdom. 51

(MIRA 16:10)

BOL'SHAKOV, V.V., kand.tekhn.nauk

From the history of the development of Russian science and
technology in the field of wooden construction elements.
Stroi.prom. 27 no.4:23-3 of cover Ap '49. (MIRA 13:2)
(Bridges, Wooden)

KARISEN, Genrikh Georgiyevich, 1894- redaktor, professor, doktor tekhnicheskikh nauk; BOL'SHAKOV, V.V., dotsent, kandidat tekhnicheskikh nauk; KAGAN, M.Ye., professor, doktor tekhnicheskikh nauk; SVENTSITSKIY, G.V., dotsent, kandidat tekhnicheskikh nauk.

[Wooden structures] Dereviannye konstruksii. Izd.2., perer. Moskva, Gos. izd-vo lit-ry po stroitel'stvu i arkhitekture, 1952. 757 p. (MLR 6:10)
(Building, Wooden) (Lumber)

BOL'SHAKOV, V.V.

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

<u>Name</u>	<u>Title of Work</u>	<u>Nominated by</u>
Karlsen, J.G. Bol'shakov, V.V. Kagan, M.Ye. Sventsitskiy, G.V.	"Wooden Structures" (textbook, 2d edition)	Moscow Construction Engineering Institute imeni V.V. Kuybyshev

SO: W-30604, 7 July 1954

BOL'SHAKOV, V.V.

Brief historical review of the development of wooden structures
in the U.S.S.R. Trudy po ist.tekh. no.8:37-63 '54. (MIRA 8:2)
(Building, Wooden—History) (Bridges, Wooden)

BOL'SHAKOV, V.V.

The first Russian cable bridges. Trudy Inst.1st. i tekhn. 7:23-43
'56. (Bridges--Construction) (MIRA 9:9)

BOL'SHAKOV, V.V., kandidat tekhnicheskikh nauk.

Valuable contribution to the construction science. *Stroi.prom.*
34 no.12:38-41 D '56. (MLRA 10:2)
(Zhuravskii, Dmitrii Ivanovich, 1821-1891)

BOL'SHAKOV, V.V., dotsent, kand.tekhn.nauk

Advanced role played by Russian science and technology in the
theory and practice of using cantilever systems. Sbor. trud. MISI
no.13:5-22 '58. (MIRA 11:8)
(Bridges, Wooden) (Bridges, Cantilever)

BOL'SHAKOV, V. V., Doc Tech Sci -- (diss) "Progress in wooden constructions in the USSR." Moscow, 1960. 54 pp; including the cover; (Ministry of Higher and Secondary Specialist Education RSFSR, Moscow Order of Labor Red Banner Construction Engineering Inst im V. V. Kuybyshev); 240 copies; price not given; list of author's works on page 54; (KL, 26-60, 133)

KARLSEN, G.G., doktor tekhn.nauk, prof.; BOL'SHAKOV, V.V., doktor tekhn.nauk, prof.; KAGAN, M.Ye., doktor tekhn.nauk, prof.; SVENTSITSKIY, G.V., kand.tekhn.nauk, dotsent; ALEKSANDROVSKIY, K.V., dotsent; BOCHKAREV, I.V., kand.tekhn.nauk, dotsent [deceased]; FOLOMIN, A.I., doktor tekhn.nauk; ~~Prinimal; nekaptye:~~ KOLOMIN, G.P., inzh.; SILIN, V.N.; dotsent, kand.tekhn.nauk; PISCHIKOV, V.G., kand.tekhn.nauk, dotsent, nauchnyy red.; IVANKOV, P.T., dotsent, red.; BORODINA, I.S., red. izd-va; RUDAKOVA, N.I., tekhn.red.

[Wooden structures] Dereviannye konstruksii. Izd.3., perer. i dop. Moskva, Gos.izd-vo lit-ry po stroit., arkh. i stroit. materialam, 1961. 642 p. (MIRA 15:2)

1. Chlen-korrespondent Akademii stroitel'stva i arkhitektury SSSR (for Karlsen).

(Building, Wooden)

BOL'SHAKOV, V.V.

Classification of geological cross sections according to the
difficulty of obtaining representative mud samples in core
drilling. Trudy MGRI 39:166-168 '63. (MIRA 16:10)

BOL'SHAKOV, V.V.; FIL'KO, A.S.

Core drilling with the inverse flushing of borehole bottoms for increasing the yield of cores and obtaining guide borings. Izv. vys.ucheb.zav.; geol.i razv. no.2:83-94 F '62. (MIRA 15:3)

1. Moskovskiy geologorazvedochnyy' institut imeni Ordzhonikidze.
(Core drilling)

VOZDVIZHENSKIY, B. I.; BOL'SHAKOV, V. V.

Classification of rocks and minerals based on the efforts
needed in core extraction from them. Izv. vys. uch. zav.;
geol. i razv. 5 no.7:115-119 J1 '62. (MIRA 15:10)

1. Moskovskiy geologorazvedochnyy institut imeni S. Ordzhonikidse.

(Rocks—Classification) (Core drilling)

BOL'SHAKOV, V.V.

Double core barrel drill permitting the feed of plugging material through drill pipes. Izv.vys.ucheb.zav.; geol.i razv. 5 no.9: 128-131 S '62. (MIRA 16:1)

1. Moskovskiy geologorazvedochnyy institut im. S.Ordzhonikidze.
(Core drilling--Equipment and supplies)

SOV-127-58-3-17/24

AUTHORS: Bol'shakov, Ya.G. and Nesterenko, I.A., Mining Engineers

TITLE: Complex Work Organization on Section Nr 11 of the Gigant Mine (Kompleksnaya Organizatsiya truda na uchastke Nr 11 shakhty Gigant)

PERIODICAL: Gornyy zhurnal, 1958, Nr 3, pp 73-74 (USSR)

ABSTRACT: The authors describe the contract work and piece-rate pay organized in section Nr 11 of the Gigant Mine of the Krivoy Rog basin. The deposit is formed by martite ores. Such work organization was introduced in October 1956. The workers of the section executed jobs fixed in advance and in a short time everyone became a specialist in his job. The results achieved by such organization during one year showed that by this system the ore extraction increased two-fold and the number of workers only by 23%. This system of work was introduced in all remaining sections of the mine and, in 5 months, the work productivity increased by 13% in comparison with the planned output and the average daily worker's pay increased by 16%. There is 1 table.

Card 1/1

1. Mining industry--USSR
2. Personnel--Performance
3. Ores--Production

SOV/127-59-1-7/26

AUTHORS: Svinarenko, D. M., Head of Mining Management and
Bol'shakov, Ya. G., Mining Engineer

TITLE: The Introduction of a Reduced Working Day and Wage Regulation
in the Mine imeni Dzerzhinskiy (Perekhod na sokrashchenny
rabochiy den' i uporyadocheniye zarobotnoy platy na rudnike
imeni Dzerzhinskogo)

PERIODICAL: Gornyy zhurnal 1959, Nr 1, pp 28-31 (USSR)

ABSTRACT: The reduced working day and a new tariff and wage system were
introduced in the mine imeni Dzerzhinskiy during the third
quarter of 1957. The quarry and the crushing and flotation
plant were put under a new tariff and wage regulation during
the fourth quarter of 1957; the surface mining workers were put
under the new tariff and wage regulation in the beginning of
January 1958, and the auxiliary mining shops, during March-
April 1958. Compound brigades were introduced ten months
before the reduction of the working day. Each member of the
compound brigade exercises all necessary duties. The reor-
ganization permitted the production of 200,000 tons of ore in
excess of the 1958 yearly plan. The author recommends:

Card 1/2

The Introduction of a Reduced Working Day and Wage Regulation in the Mine
imeni Dzerzhinskiy

SOV/127-59-1-7/26

The introduction of a worker's productivity index for a whole section, and that bonus funds should be included in the wage funds. Some technical improvements are also recommended, namely: scraper winches should be supplied in sufficient number; a supply of metal timbering and drilling tools should be secured; 14-ton electric locomotives should be introduced. There is 1 table and 1 Soviet reference.

ASSOCIATION: Rudoupravleniye im.Dzerzhinskogo. (The Mining Management imeni Dzerzhinskiy).

Card 2/2

KEACHATUROV, T.S., otv. red. Primalni uchastiye: BOR, M.Z., kand. ekon. i istor. nauk, red.; BOL'SHAKOV, Ya.A., red.; DYLEVSKIY, A.A., red.; YEMEL'YANOV, A.D., kand. ekon. nauk, red.; KRASOVSKIY, V.P., red.; SHUSTER, A.I., red.

[Methodology for determining the economic efficiency of introducing new machinery, mechanization and automation of industrial production processes. Approved by the State Planning Commission of the U.S.S.R. on December 9, 1961] Metodika opredelenia ekonomicheskoi effektivnosti vnedrenia novoi tekhniki, mekhanizatsii i avtomatizatsii proizvodstvennykh protsessov v promyshlennosti. Utverzhdeno 9 dekabria 1961 g. Moskva, Izdvo Akad. nauk SSSR, 1962. 45 p. (MIRA 15:11)

1. Russia (1923- U.S.S.R.) Gosudarstvennaya planovaya komissiya.
2. Chlen-korrespondent Akademii nauk SSSR (for Khachaturov).
3. Gosudarstvennyy planovyy komitet Soveta Ministrov SSSR (for Bor, Dylevskiy).
4. Moskovskiy oblastnoy sovet narodnogo khozyaystva (for Bol'shakov).
5. Nauchno-issledovatel'skiy ekonomicheskii institut Gosudarstvennogo ekonomicheskogo soveta pri Sovete Ministrov SSSR po tekushchemu planirovaniyu narodnogo khozyaystva (for Yemel'yanov, Krasovskiy).
6. Akademiya nauk SSSR (for Shuster).

(Technological innovations) (Automation)

PEREVOZCHIKOV, B.S.; SANNIKOV, S.S.; PASHMANIK, A.I.; i riminali
uchastiye: PROTOPOVA, T.I.; BOL'SHAKOV, Yu.A.; KOROLEV,
V.O.; TROSTYANITSER, G.N.; TROITSKIY, G.A.; DEVYATOV, I.I.

Adjustment of low-flash forging on a 4000-ton, NKMZ crankshaft
hot forging press. Kuz.-shtam. proizvod. 3 no.8:41-43 Ag '61.
(MIRA 14:8)

(Forging) (Power presses)

GAL'PERIN, I.M.; BOL'SHAKOV, Yu.K.; KRYUKOV, G.S.

Snow remover for switches. Sbor.rats.predl.vnedr.v proizv.
no.5:63-64 '60.

(MIRA 14:8)

1. Cherepovetskiy metallurgicheskiy zavod.
(Railroads--Snow protection and removal)

BOL'SHAKOV, Yu.Ya.

Lowering and hoisting operations in extra-deep drilling.
Izv. vys. ucheb. zav.; neft' i gaz 5 no.1:113-115 '62.

(MIRA 16:11)

19

BOL'SHAKOVA, A.A.

REACTION OF DIBENZYLMERCURY WITH PHENOLS. IV. M. Koton and A. A. Bol'shakova. *Zhur. Obshch. Khim.* (J. Gen. Chem.) **10**, 1239-2(1948); *J. C. I.* **42**, 1935a; Razuvaev and K., *C. I.* **26**, 2719. —Heating $(PhCH_2)_2Hg$ with phenols at 100° without solvent results in liberation of free Hg in amts. dependent on the phenol structure; generally increased OH content increases the rate of reaction while *p*-substitution shows a progressively decreasing effect from NO₂ to OH to H. *o*-Trinitrophenol and *p*-nitrophenol give the highest rate, *sym*-tribromophenol the lowest. Heating 0.2 g. of each component 1, 2, and 3 hrs. gave the following results (% liberated Hg): picric acid, 78, 89, 84.06; *p*-nitrophenol, 71.7, 76.12, 81.03; pyrogallol, 29.47, 49.82, 70.81; resorcinol, 20.03, 38.30, 53.04; hydroquinone, 23.08, 45.07, 65.71; *m*-nitrophenol, 15.73, 23.57, 28.5; *o*-nitrophenol, 2.95, 18.17, 35.57; *p*-bromophenol, 2.40, 11.29, 19.07; PhOH, 2.95, 4.81, 10.8; 1-C₆H₄OH, 1.90, 5.3, 13.92; *sym*-tribromophenol, 0, 2.95, 2.95%. Usually the high reactivity is assocd. with considerable tar formation, bearing out the initial formation of an unstable adht. compl., which decomp. with Hg liberation; the by-products include $(PhCH_2)_2$ and tarry oxidation products of the phenols. G. M. K.

Chem. Gen. Chem., Surgutsk State Pedagog. Inst. Inst.

450-31A METALLURGICAL LITERATURE CLASSIFICATION