

POLYAKOVA, L. V. 15-57-7-9922
Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 7,
pp 171-172 (USSR)

AUTHOR: Polyakova, L. V.

TITLE: Use of Aeromagnetic Survey Data in Clarifying the Geological Structure at the Northern Part of the Turgay Flexure (Primeneniye dannykh aeromagnitnoy s"yemki dlya vyyasneniya geologicheskogo stroyeniya severnoy chasti Turgayskogo progiba)

PERIODICAL: Inform. sb. Vses. n.-i. geol. in-t, 1956, Nr 4,
pp 118-123

ABSTRACT: The depth of stratification and composition of the rock of the substructure of the northern part of the Turgay flexure are determined from data of an aeromagnetic survey ΔT conducted in 1952 and 1953 by the United Siberian Geophysical Trust. The magnetism of rock I in the southern half of the area was

Card 1/3

15-57-7-9922

Use of Aeromagnetic Survey Data (Cont.)

calculated chiefly from work sheets of V. A. Bugaylo, and in some cases, according to the formula:

$$I = Z_{\max} / 4 \operatorname{arctg} \frac{b}{h}$$

where b is half the thickness of the stratum and h is the depth of the upper edge. In addition, the following formulas were used for the northern part of the area:

$$I = Z_{\max} / 4 \operatorname{arctg} \frac{b}{h}$$

and

$$I = \int_{-\infty}^{+\infty} Z dx / 2 \pi 2b.$$

From the magnetic survey data a structural contour map of the substructure surface was plotted with a contour interval of 200 m.
Card 2/3

15-57-7-9922

Use of Aeromagnetic Survey Data (Cont.)

The general relief of the substructure is basically confirmed by drilling data. The conclusion is drawn that calculations of depths, based on the anomaly of the magnetic field, may be widely used for determining the regional relief of the substructure. The author compares the magnetic and gravity maps and concludes that areas of uniform magnetic field coincide with areas of low gravity, while areas of nonuniform magnetic field coincide with areas of high gravity with the value $\Delta g > 20$ mgal. It is suggested that areas of uniform magnetic field and low gravity are areas of the occurrence of the practically nonmagnetic and relatively less dense rock of the substructure (chiefly sedimentary rock). Areas of nonuniform magnetic field are areas of the occurrence of volcanic rock of basic and ultrabasic composition.

Card 3/3

M. V. Sokol'skiy

VINOGRADOVA, Ye.A.; GLAZOVA, A.I.; LASHKO, N.F. (Moskva); Primalni
uchastiye: GUS'KOVA, Ye.I.; POLYAKOVA, L.V.

Using anodic phase isolation for determining the solubility of
some elements in the α -phase of titanium alloys. Zhur. fiz.
khim. 37 no.12:2734-2739 D '63. (MIRA 17:1)

SOV/54-58-3-8/12

AUTHORS: Marinin, V. A., Polyakova, L. V., Korol'kova, E. S.

TITLE: Electric Double Refraction of Polystyrene Solutions
(Elektricheskoye dvoynoye lucheprelomleniye rastvorov polistirola)

PERIODICAL: Vestnik Leningradskogo universiteta. Seriya fiziki i khimii, 1958, Nr 3, pp 73-77 (USSR)

ABSTRACT: In the present paper experimental data on the electric double refraction in polystyrene solutions are given. The solutions of 7 polystyrene fractions were investigated. Carbon tetrachloride served as solvent. As the experiments showed the dependence $\Delta = f(E^2)$ remains linear in the domain of the concentrations used. The Kerr constant was computed for all measured polystyrene fractions according to the diagram Δ versus E^2 (Table 1). For reasons of comparison the Kerr constant of styrene (Table 2) was ascertained too. The Kerr constant of the solutions of various polystyrene fractions (molecular weight $4 \cdot 10^5 - 5 \cdot 10^6$) is, evidently, within the errors of observation, of similar magnitude as the Kerr

Card 1/3

Electric Double Refraction of Polystyrene Solutions SOV/54-58-3-8/19

constant of styrene. The behavior of the polystyrene solutions in a constant electric field is analogous to their behavior in a magnetic field (Refs 2, 3). As a comparison the molecular Kerr constant of benzene was examined. Measuring results of this constant in carbon tetrachloride at various concentrations are given in table 2. The quantities K_2 for styrene and benzene were determined from the diagram plotting K_{12} versus C_2 . The coefficient of the angular dependence $K_{12} = f(C_2)$ permits to determine the quantity K_2 for infinite dissolution. The computation showed that the molecular Kerr constant of styrenes is by about two times higher than that of benzene. It was found that the Kerr constant of the polystyrene is independent of the molecular weight. Its sign is positive and in its magnitude it resembles the Kerr constant of styrene. These facts prove the conclusions made by the authors (Refs 2, 3, 7). The authors express their gratitude to V. N. Tavetkov for his interest. There are 2 figures, 2 tables, and 7 references, 4 of which are Soviet.

Card 2/3

POLYAKOVA, L.V.

Using aerial magnetic surveying data for investigating the geological structure of the northern Turgay Gates. Inform. sbor. VSEGEI no.4:118-123 '56. (MLRA 10:4)
(Turgay Gates--Geology, Structural)

KRASNOV, M.L., prof.; POLYAKOVA, L.Ya.

Clinical aspects and treatment of acute circulatory disorders
in the arterial system supplying blood to the optic nerve.
Vest. oft. 76 no.3:6-11 My-Je '63. (MIRA 17:2)

1. Kafedra glaznykh bolezney Tsentral'nogo instituta us-
vershenstvovaniya vrachey i Institut glaznykh bolezney
imeni Gel'mgol'tsa.

BOLIYEV, Ch.B., inzh.; KOLMAKOV, V.M., inzh.; LINETSKIY, G.I.,
inzh.; LUYK, I.A., inzh.; MIRKIN, F.S., inzh.;
POLYANSKIY, S.K., inzh.; YUDINA, L.A., red.

[Album for the maintenance of the E-801 excavator] Al'bom
tekhnicheskogo obsluzhivaniia ekskavatora E-801. Mo-
skva, Gosstroizdat, 1963. 213 p. (MIRA 17:4)

1. Kiev. Nauchno-issledovatel'skiy institut organizatsii
i mekhanizatsii stroitel'nogo proizvodstva.

GUIDOROVA, R.A.; FRIDMAN, F.Ye.; MOROZOV, V.I.; POLYAKOVA, L.Ya.

Contemporary methods of treating traumatic cataracts. Uch.
zap. GNII glaz.bol. no.8:113-118'63. (MIRA 16:9)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut glaz-
nykh bolezney imeni Gel'mgol'tsa.
(CATARACT) (EYE--WOUNDS AND INJURIES)

OBORIN, V.A., inzh.; ROZHDESTVENSKIY, P.A., inzh.; POLYAKOVA, M.A., inzh.

Introducing the use of titanium enamels at the Lysva metalworking
plant. Biul. TSNIICHM no.7:28-30 '58. (MIRA 11:6)
(Lysva--Metalwork) (Enamel and enameling) (Titanium)

BALASHOVA, A.P.; GOR'KOV, V.A.; ZHDAN, A.G.; KUL'VARSKAYA, B.S.; PARILIS,
E.S.; POLYAKOVA, M.A.; YURASOVA, V.Ye.; YASNOPOL'SKIY, N.L.

Tenth Congress on Cathode Electronics. Radiotekh. i elektron
7 no.7:1258-1272 '62. (MIRA 15:6)
(Electronics--Congresses)

POLYAKOVA, M.A.

Some characteristics of a tellurium-cesium photocathode.
Radiotekh. i elektron. 7 no.9:1626-1631 S '62. (MIRA 15:9)
(Cathodes)

Pol yakova, M.A.

5/109/60/005/05/020/021
E140/E435

AUTHORS: Basalayeva, N.Ya., Vikhlyayeva, R.P., Zhdan, A.G.,
Zernov, D.V., Kofanova, G.I., Parygina, I.Ya.,
Suttyova, N.M., Pol yakova, M.A., PODOV, B.N., Spivak, G.Y.,
Shabel'nikova, A.K. and Yasnopol'skaya, A.A.

TITLE: Report on the Ninth All-Union Conference on Cathode
Electronics

PERIODICAL: Radiotekhnika i elektronika, 1960, Vol 5, Nr 5,
pp 866-879 (USSR)

ABSTRACT: This conference took place in Moscow from 21-28th
October 1959 with the participation of Soviet scientists
and guests from Hungary, Eastern Germany, the Chinese
Peoples' Republic and Czechoslovakia. The chairman of
the organization committee was Academician Vekshinskiy.
The report consists of brief abstracts of 125 papers
presented at the plenary sessions and the sections of
the conference. 15 Reports were presented in the section
on surface properties of solids dealing with electron
adsorption and structural properties of active surface
films. Electron-optical studies of "patch fields" on
emitting surfaces were discussed. 6 Papers on the

Card 1/2

physics of semiconductor cathodes were given in the
section on thermionic emission. 17 Papers were
presented in the section on photoelectric emission.
Many papers discussed industrial technology of photocells
and multipliers. 16 Papers were presented at the section
on secondary-electron emission. The section on field
emission heard 11 papers discussing pulse field
emission at high current densities, surface phenomena,
field emission of semiconductors and the "condenser"
cathode. More than 50 papers and brief communications
were presented at the section on properties, new types
and technology of cathodes, relating to the technology
of various types of cathodes, their behaviour in
practical devices and the operating mechanisms of
individual cathodes. 19 Papers were given at the
section on interaction of solid bodies with streams of
charged particles and residual gases. Notes of
conference discussion indicated that several sharp and
critical exchanges of views took place.

Card 2/2

GERTS, Ye.V.; KREYNIN, G.V.; POLYAKOVA, M.A.

Using electronic computers in designing pneumatic devices. Trudy
Inst.mash.Sem.po teor.mash. 22 no.85/86:68-86 '61. (MIRA 14:12)
(Electronic calculating machines)
(Pneumatic machinery)

L 32083-65 EWP(d)/EWP(v)/EWP(h)/EWP(k)/EWP(l) Po-l/Pq-l/Pf-l/Pg-l/Pk-l/Pl-l
ACCESSION NR: AT 4049379 IJP(c) EC S/2905/64/090/100/0036/0047

AUTHOR: Gerts, Ye. V. ; Kreytin, G. V. ; Polyakova, M. A.

53
B-1

TITLE: Research on the dynamics of pneumatic control devices for different rates of motion

14

SOURCE: AN SSSR. Institut mashinovedeniya. Teoriya mashin i mekhanizmov, no. 100, 1964, 36-47

TOPIC TAGS: automation, automatic control system, pneumatic control system, control system dynamics, biased control device, lift operation

9

ABSTRACT: Continuing earlier work with a view toward the improvement of control apparatus for automatic machines, the authors tested singly and doubly biased control apparatus both with and without springs. Assuming the pressure of the whole system to be equal to the pressure in the main line, the dimensionless pressure (ratio of pressures) becomes 1 and the equations describing the machine action can be combined and integrated, with the factor representing the characteristic coordinate of position of the machine equal to 1, to give

$$\tau_s = N \sqrt{\frac{2}{1 - \eta_0}}$$

Card 1/4

L 32083-65

ACCESSION NR: AT4049379

where T_s = time for the period of operation, λ_a = characteristic load with respect to the atmosphere (a constant for each case); N = dimensionless parameter of construction. The resultant lines, for varying values of λ_a , are given in Fig. 1 of the Enclosure; dotted lines represent the function obtained under these assumptions, and actual curves represent actual conditions for an ascending lift. The divergence of the actual curves for varying force on a descending lift from those calculated with the simplifying assumptions is greater, but is minimized when $0 < N < 0.8$, since the dimensionless pressure becomes nearly constant. Addition of a spring adds the factor of spring resilience to the descriptive equations. Comparative graphs were plotted with and without simplifying assumptions for varying spring rigidity and load, for both forward and backward control. In the former case correspondence was close, but in the latter case, increasing rigidity both depressed the curves and caused an increase of constant divergence. The dynamics of doubly-biased control apparatus must be described with three equations, adding factors for the effective area of the piston and for the exhaust system. Decreasing the load for decreasing values of the load and exhaust system factor greatly increases the divergence between actual curves and curves calculated with simplifications. For all cases considered, the operating velocity was determined as a function of λ_a and η_a for singly biased apparatus and of the exhaust system for

Card 2/4

L 32083-65

ACCESSION NR: AT4049379

doubly biased apparatus. In the former case, $N=5$ produced smooth, uniformly increasing curves which increased with η . In the latter case, curves decreased with increasing η .
Orig. art. has: 19 formulas and 10 figures.

ASSOCIATION: none

SUBMITTED: 24Apr62

ENCL: 01

SUB CODE: IE

NO REF SOV: 003

OTHER: 000

Card 3/4

L 32083-65

ACCESSION NR: AT4049379

ENCLOSURE: 01

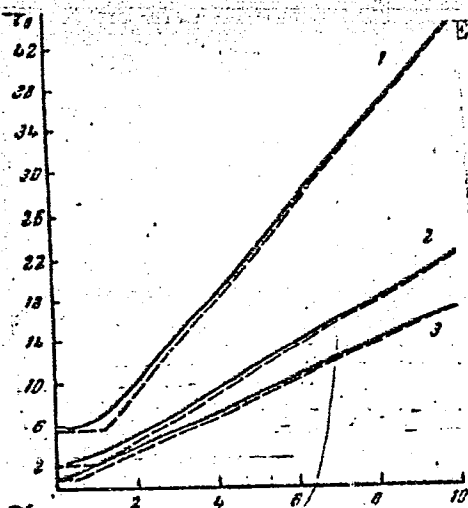


Fig. 1. Dependence of time \tilde{T}_s on the construction parameter N for an ascending lift.

1) $\eta_a = 0.9$; 2) $\eta_a = 0.8$; 3) $\eta_a = 0.7$.

Card 4/4

L 07096-67 . EWT(1)/EWT(m)/EWP(t)/ETI IJP(c) JD/AT
ACC NR: AP6019000 SOURCE CODE: UR/0109/66/011/006/1100/1106

AUTHOR: Polyakova, M. A. (Deceased); Zernov, D. V.

54
B

ORG: none

TITLE: Photoelectric and optical properties of tellurium-rubidium photocathodes

SOURCE: Radiotekhnika i elektronika, v. 11, no. 6, 1966, 1100-1106

TOPIC TAGS: photocathode, UV receiver, *TELLURIUM, RUBIDIUM, OPTIC PROPERTY, PHOTOELECTRIC PROPERTY*

ABSTRACT: The results are reported of an experimental study of (a) the effect of the degree of activation of Te by Rb on the spectral characteristics of Te-Rb photocathode and (b) the effect of the thickness of Te layer on the photocathode sensitivity at $\lambda = 2600 \text{ \AA}$ with frontal and rear illumination. The results of the study can be used in designing sun-blind 2000-3000 \AA receivers. The best spectral characteristics were obtained when Te was activated by Rb vapor and the

Card 1/2

UDC: 621.383.73

L 07096-67

ACC NR: AP6019000

photocurrent was monitored; the photocathode was illuminated by a bactericide lamp whose maximum radiation lay at $\lambda = 2537 \text{ \AA}$; optimal activation resulted when the process was stopped after a maximum photocurrent had been attained. An excess of Rb resulted in a higher sensitivity in the over-3000 \AA band. With frontal illumination, the Te-Rb photocathode sensitivity to 2600- \AA radiation increased with the thickness of the Te layer up to 200 \AA , and beyond that thickness, varied but little. With the rear illumination, the maximum sensitivity corresponded to a Te layer thickness of about 60 \AA . Plots of optical transmissivity and quantum yield of the Te-Rb photocathode vs. photon energy are shown. Orig. art. has: 4 figures and 3 formulas.

SUB CODE: 09 / SUBM DATE: 27Jan66 / ORIG REF: 001 / OTH REF: 006

Card 2/2

ldh

ACC NR: AP6024363

SOURCE CODE: UR/0280/66/000/002/0059/0064

AUTHOR: Gerts, Ye. V. ^(Moscow); Kreyzin, G. V. ^(Moscow); Polyakova, M. A. ^(Moscow)

ORG: none

TITLE: On an algorithm for the simplification of Boolean functions with the aid of a general-purpose computer

SOURCE: AN SSSR. Izvestiya. Tekhnicheskaya kibernetika, no. 2, 1966, 59-64

TOPIC TAGS: ~~general-purpose computer~~, Boolean function, algorithm, approximate solution / Minsk-1 ~~general-purpose computer~~

ABSTRACT: An approximate method of simplifying the Boolean functions of a large number of variables specified by the constituents of the unity and zero is presented. The method is based on conversion of the Boolean function F of n variables to the relative function F^t which makes it possible to reduce the volume of scanning. This method is most effective in the case of weakly defined Boolean functions. E.g. when solving the problem with the aid of the Minsk-1 general-purpose computer and using the direct-access memory alone, the number of variables may be 30, while the number of obligatory and prohibited constituents (elementary conjunct-

ATGCR1729

SOURCE CODE: UR/0000/86/000/000/0028/0035

AUTHOR: Guma, Ye. V.; Kreytin, G. V.; Polyskova, M. A.

ORG: none

TITLE: Use of electronic computers for the synthesis of pneumatic relay control systems

SOURCE: AN SSSR. Institut avtomatiki i telemekhaniki. Pnevmoavtomatika (Pneumatic automation). Moscow, Izd-vo Nauka, 1966, 28-35

TOPIC TAGS: pneumatic control system, boolean function, binary logic, mathematic logic, computer program logic

ABSTRACT: The authors propose a simplified method for expressing relay logic operations in terms of boolean logic and for reducing the amount of effort necessary to decrease the required number of elements for a given function to a minimum. The method uses weighted numerical equivalents representing all given components of the system. The weights refer to one main component which has a numerical equivalent of zero. In the geometrical interpretation of the boolean function, this means that the origin of the component is located. In view of the great difficulty of locating an absolute minimum form of a boolean function with many variables, the process reduces to finding several minimum forms and selecting the best one. The initial information is given in

Card 1/2

L 09210-67

ACC NR: AT6021724

the form of a set of independent and disjunctive necessary and forbidden components, corresponding to the necessary and forbidden system states. These numerical equivalents are expressed in binary system; however, for the sake of simplicity, the binary numbers are written in octal system. A table for converting binary numbers into their octal equivalents is included. A series of iterative operations using Boolean logic is performed to optimize the selected set of octal numerical equivalents. Orig. has: 3 tables.

SUB CODE: 12/ ^{13, 09} SUBM DATE: 03Feb66/ ORIG REF: 004/ OTH REF: 111

ACC NR: AP7002439

(A)

SOURCE CODE: UR/0219/66/000/012/0049/0050

AUTHOR: Zaboronok, G. F.; Milova, V. B.; Polyakova, M. D.; Simonishvili, T. V.

ORG: none

TITLE: Some properties of unalloyed polycrystalline molybdenum

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 12, 1966, 49-50

TOPIC TAGS: molybdenum, polycrystal, arc furnace, tensile strength, plasticity, annealing, embrittlement

ABSTRACT: The material was remelted without deoxidation in a JEVM-03 electron-beam furnace, and cast into ingots 25 mm in diameter and up to 300 mm high. The following melting conditions were used: the feed rate of the rod was 10-20 mm/min, the melting rate was 23.7-47.4 g/min, and the pressure was $2 \cdot 10^{-4}$ - $7 \cdot 10^{-5}$ mm Hg. Impurity contents are given for the original and remelted molybdenum. After remelting the O₂ content decreased from $6 \cdot 10^{-3}$ wt % to $4 \cdot 10^{-4}$ wt %. The ingots were hot worked into rods and billets, cold worked, and recrystallized by annealing in a vacuum for 10 hr at 1000°C. Results are given on the hardness, microhardness, electrical resistivity, elastic modulus, and other elastic properties determined by the resonance method. The ultimate tensile strength and ductility are given as functions of annealing temperature. Annealing was done at a residual pressure which did not exceed $1 \cdot 10^{-4}$ mm Hg.

Card 1/2

UDC: 669.28:620.17

Card 2/2

L 36867-66 EWT(m)/EWP(k)/EWP(t)/ETI IJP(c) JD/JG
ACC NR: AP6023618 SOURCE CODE: UR/0136/66/000/007/0083/0085

AUTHOR: Zaboronok, G. F.; Milova, V. B.; Polyakova, M. D.;
Simonishvili, T. V.

ORG: none

TITLE: Effect of ultrasonic vibration on the structure of electron-
beam melted molybdenum

SOURCE: Tavetnyye metally, no. 7, 1966, 83-85

TOPIC TAGS: molybdenum, molybdenum melting, electron beam melting,
ultrasound application, ultrasound effect, molybdenum property,
CRYSTALLIZATION

ABSTRACT: The effect of subsonic and ultrasonic vibrations on the
crystallization of molybdenum, electron-beam melted in a $5 \cdot 10^{-4}$ mm Hg
vacuum, has been investigated. Subsonic vibrations at a frequency of
1000 cycle/min reduced the grain size from 3-5 mm to 2-3 mm. Ultra-
sonic vibrations with a frequency of 2-18 kilocycle substantially
reduced the grain size in the transverse direction but had very little
effect on the grain size in the longitudinal direction, leaving the
columnar structure unchanged. The Brinell hardness of molybdenum
melted with ultrasound amounted to 153-156 kg/mm², i.e., was of the
same order as that of molybdenum melted without ultrasound. Preforged

UDC: 669.28:620.18

Card 1/3

L 36867-66

ACC NR: AP6023618

sonic waves in the direction perpendicular to the ingot axis, 3) ultra-
sonic waves propagating in two mutually perpendicular directions, and
4) ultrasound combined with modifiers. Orig. art. has: 5 figures and 1 table.
[ND]

SUB CODE: 13, 11/ SUBM DATE: none/ ATD PRESS: 5040

Card 3/3

GUNDOROVA, R.A.; MOROZOV, V.I.; FRIDMAN, F.Ye.; POLYAKOVA, L.Ya.

Use of various means of removing the crystalline lens in
the intracapsular extraction of a cataract. Uch. zap.
GNII glaz.bol. no.8:119-127'63. (MIRA 16:9)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut glaz-
nykh bolezney imeni Gel'mgol'tsa.
(CATARACT) (CRYSTALLINE LENS)

S/226/62/000/006/006/016
E193/E383

AUTHORS: Fedorov, T.F., Nedumov, N.A., Polyakova, M.D. and
Shampay, F.I.

TITLE: Some data on the ternary titanium-boron-chromium
system

PERIODICAL: Poroshkovaya metallurgiya, no. 6, 1962, 42 - 49

TEXT: The object of the present investigation was to study
the constituents of the Cr-B and Ti-B-Cr systems. In the first
stage of the investigation, thermal and metallographic analysis
as well as hardness and microhardness measurements, conducted on
Cr-B alloys with up to 40 at.% B, cooled slowly to room tempera-
ture or quenched from 1450 °C, were used to construct the Cr and
of the constitution diagram of the Cr-B system. In the second
stage, the same experimental technique and, in some cases, X-ray
diffraction analysis, were used to study the Ti-B-Cr system. The
experimental alloys included the following: some binary Ti-B,
B-Cr and Ti-Cr alloys; alloys of the pseudo-binary TiB-CrB,
TiB₂-CrB₂, TiCr₂-CrB, Ti-CrB₂, Ti-Cr₅B₃ and Cr-TiB₂ systems;

Card 1/2

S/226/62/000/006/006/016
E193/E383

Some data on

alloys defined by sections parallel to the Cr-B side of the ternary system at 3, 10, 15, 25, 35 and 45% Ti. The results obtained were insufficient to construct a complete constitution diagram of the system studied. It was established, however, that the single-phase fields constituted only a small proportion of the isothermal section of the system at room temperature. These fields correspond to solid solutions based on Ti, Cr and B and on some binary and, possibly, ternary intermetallic compounds. In addition, TiB_2 and CrB_2 form a continuous series of solid solutions. There are 7 figures. ✓

ASSOCIATION: Institut metallurgii im. A.A. Baykova AN SSSR
(Institute of Metallurgy im. A.A. Baykov, AS USSR)

SUBMITTED: April 14, 1962

Card 2/2

FEDOROV, T.F.; NEDUMOV, N.A.; POLYAKOVA, M.D.; SHAMRAY, F.I.

Data on the ternary system titanium - boron - chromium. Porosh. met.
2 no.6:42-49 N-D '62. (MIRA 15:12)

1. Institut metallurgii imeni Baykova AN SSSR.
(Titanium-boron-chromium alloys—Metallography)
(Powder metallurgy)

67835

SOV/180-59-6-13/31

18.1200

AUTHORS: Dokukina, N.V., Polyakova, M.D., and Shamray, F.I.
(Moscow)

TITLE: Several Properties of the WSi₂ - NbSi₂ System Alloys

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Metallurgiya i toplivo, 1959, Nr 6, pp 102-109 (USSR)

ABSTRACT: Alloys were prepared from powders containing 99.2% Nb, 99.7% W and 99.13% Si. Mixtures containing 23-37% Si, 1.2-76% W and 0.4-62% Nb were prepared by hot pressing, followed by arc melting. The final compositions are given in Table 1. Microsections were prepared in the cast state and after 360 hours at 1000 °C followed by a slow cool. Alloys containing less than 59.2% NbSi₂ were two phased and greater than 59.2% NbSi₂ single phased. The primary crystals of alloys on the WSi₂ side had a long columnar-type structure, with thin films of the second phase in the grain boundary. In the alloys lying on the NbSi₂ side, the primary crystals were more rounded. The alloys containing 29.3% NbSi₂ had approximately equal amounts of both phases. The heat treatment coarsened the structure of the alloys and decreased the quantity of second phase in alloys

Card
1/3

67835

SOV/180-59-6-13/31

Several Properties of the WSi_2 - $NbSi_2$ System Alloys

containing up to 1.9% $NbSi_2$. The microhardness of the WSi_2 phase was 1255-1280 kg/mm^2 . The microhardness of 100% $NbSi_2$ was 1038 and fell to 780 kg/mm^2 with a decrease to 71% $NbSi_2$ in the alloy. Further decreases in $NbSi_2$ content led to an increase in microhardness. The Vickers hardness increased from 723 to 840 kg/mm^2 with increase in $NbSi_2$ content from 0.7 to 65%. Further increases in $NbSi_2$ content gave a curve similar to that for microhardness. X-ray investigations showed only $NbSi_2$ content. The lattice parameter decreased with increase of WSi_2 from 1.6 to 28.7%. The porosity of the alloys varied from 1 to 7%. The electrical resistance was found and calculated for zero porosity. The resistance increases from 17.4 to 148.9 micro ohm/cm with increase in $NbSi_2$ content from 0 to 48.5%. It then fell to 23.2 micro ohm/cm in the 98.4% $NbSi_2$ alloy. The high temperature strength at 1100 and 1200 °C in air gave poor results. The oxide layer formed on the alloys is porous and does not protect them from further oxidation. Table 4 gives the melting points of various alloys. An equilibrium diagram was drawn from the above results

Card
2/3

SOV/126-6-2-11/34

AUTHORS: Kudintseva, G. A., Polyakova, M. D., Samsolov, G. V.
and Tsarev, B. M.

TITLE: Preparation and Certain Properties of Yttrium Hexaboride
(Prigotovleniye i nekotoryye svoystva geksaborida
ittriya)

PERIODICAL: Fizika Metallov i Metallovedeniye, 1958, Vol 6, Nr 2,
pp 272-275 (USSR)

ABSTRACT: The reaction $Y_2O_3 + 3B_4C = 2YB_6 + 3CO$ was studied over
the range 880-1900°C; the reaction occurs in one stage
at 970°C. ΔH_{298}^0 is about 24 kcal/mol for YB_6 ;
analysis gives 42.11% B (theory 42.19%). Yield at
1800-1900°C 92-93% (YB_6 partially dissociates at this
temperature). The powder pattern gives the lattice
constant as 4.128 Å. Table 1 gives the ψ , hkl and
intensity values. The pycnometer density is $3.64 \pm$
 0.04 g/cm³ (X-ray density 3.633). Hot-pressed
specimens have a microhardness of 3264 ± 21 kg/mm²
Card 1/2 (50 g load); YB_6 reacts with graphite at 2100-2150°C.

SOV/126-6-2-11/34

Preparation and Certain Properties of Yttrium Hexaboride

and fuses at about 2300°C. The thermionic emission (Richardson) curve is compared with those for LaB₆ and CeB₆; the relevant constants are work functions 2.22 ± 0.05 eV and A = 15 amps/cm² deg². The thermal emission coefficient at 1500°C is 0.7 (for 655 mμ). The results are discussed in relation to the electronic structure of the compound. There are 2 figures, 3 tables and 11 references, 5 of which are Soviet, 5 English, 1 German.

ASSOCIATION: Institut metallokeramiki i spetsialnykh splavov AN Ukr SSR (Institute of Metal Ceramics and Special Alloys, Ac.Sc. Ukr. SSR)

SUBMITTED: December 20, 1956

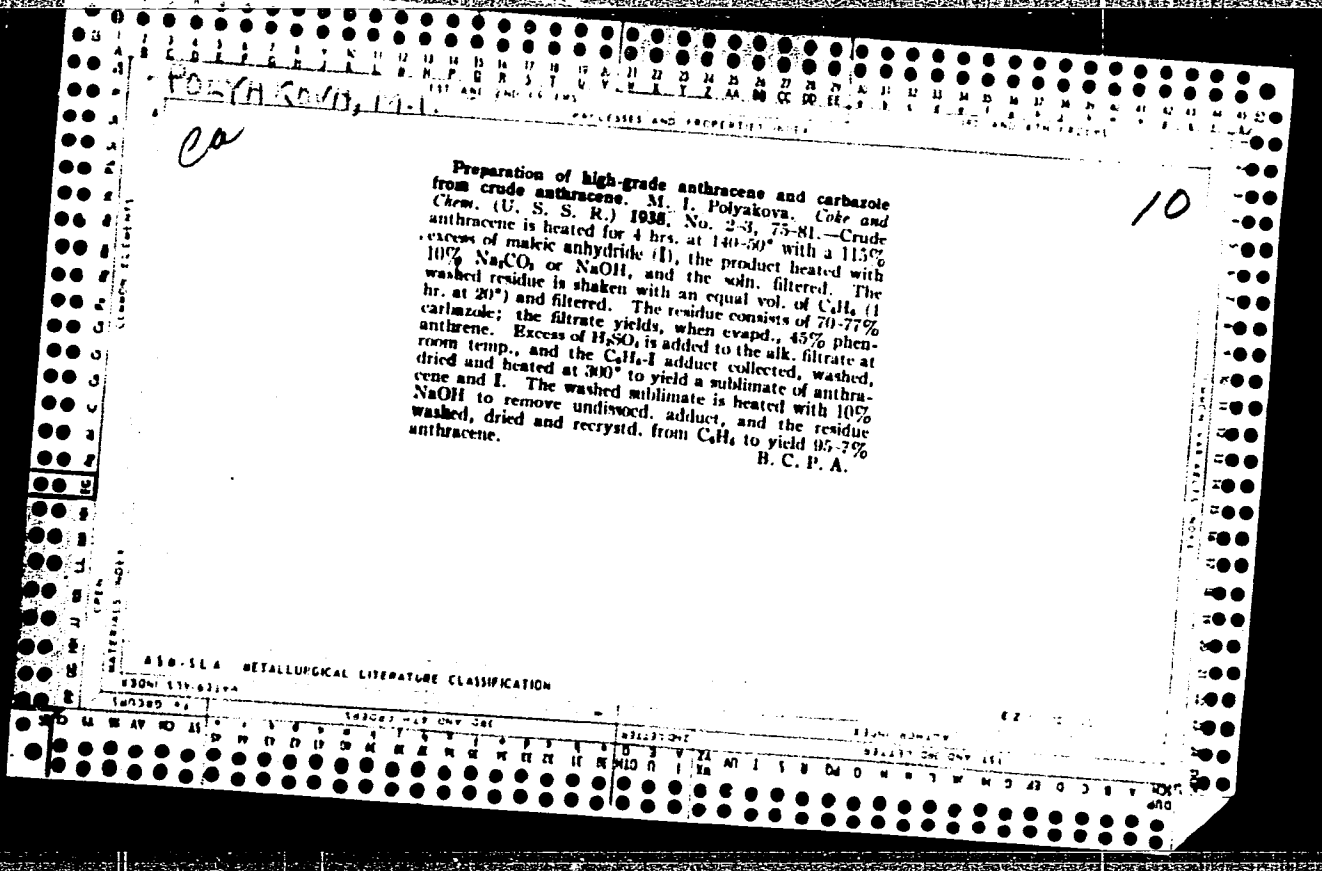
Card 2/2 1. Yttrium borides--Preparation 2. Yttrium borides--Properties

POLYAKOVA, AIG

GINDINA, M.M.; KOGANOVA, G.V.; LARICHEVA, G.M.; MELKOVA, A.Ye.; POLYAKOVA,
M.D.; SKOBEIKINA, I.F.; IKONNIKOV, V.V., prof. otvetstvenny red.
ROSHCHINA, L., red.izd-vs; LEBEDEV, A., tekhn.red.

[State Bank of the U.S.S.R.; a brief account on the fortieth
anniversary of the October Revolution] Gosudarstvennyi bank SSSR;
kратkii ocherk k sorokaletiiu Oktiabria. Moskva, Gosfinizdat,
1957. 254 p. (MIRA 11:2)

1. Gosudarstvennyi bank, Moscow.
(Banks and banking)



POLYAKOVA, M. M.

POLYAKOVA, M. M. - "Investigation of Domestic Carbon Blacks by the Adsorption Method." Sub 25 Dec 52, All-Union Sci Res Inst of Natural Gases. (Dissertation for the Degree of Candidate in Chemical Sciences).

SO: Vechernaya Moskva January-December 1952

Polyakova, M. M.

62

USSR

benzene and methanol vapor adsorption on carbon black. (1)
 M. M. Polyakova and P. A. Tesner. *Doklady Akad. Nauk*
 S.S.S.R. 137, 855-8 (1953).—Different tech. grades of C
 blacks were used in the adsorption tests, and the specific
 surface of the various samples, as calcd. from the adsorption
 values, were different for the different grades. The abs.
 benzene adsorption isotherms calcd. from these values,
 however, agree excellently. The adsorption isotherms for
 MeOH on nonporous C blacks were very similar to the iso-
 therms on graphite obtained by Pierce and Smith (C.A. 44,
 4708d), but the MeOH adsorption isotherms on porous
 blacks are S-shaped curves, very similar to the C₆H₆ iso-
 therms. The coating of the surface pores with thermally
 deposited C (by decompn. of hydrocarbons) even when only
 1/4 mol. thick, produced the same type of isotherms as with
 graphite. The difference in behavior is explained by the
 nonuniformity of the porous C-black surfaces or sections of
 the surfaces.
 W. M. Sternberg.

POLYAKOVA, M.M.

✓
F-6
Structure studies of carbon-black-particle surfaces. M. M. Polyakova and P. A. Tesner. *Doklady Akad. Nauk S.S.S.R.* 93, 1061-4(1953).—The evening-out of the structure of porous C-black surfaces was studied on 23 samples of channel C, heated at 600° with hydrocarbons (C₁₁ and C₁₂), as described by T. and Kudal'kes (cf. *C.A.* 47, 3671e). The results show that the specific surface is at first reduced, until covered with a mol. layer of C. Similar tests with other grades of C black (C₁₁ and others) indicate no appreciable surface reduction. The difference in results obtained with different grades of C black has led to the development of a method of measurement of the "porosity coeff.," defined as the ratio of specific surfaces of C black before and after coating them with C layers. W.M. Sternberg.

①

POLYAKOVA, M.M.; TESNER, P.A.

Study of the physicochemical properties of carbon black by the
adsorption method. Trudy VNII no.5:164-183 '54. (MLRA 9:1)
(Carbon black) (Adsorption)

POLYAKOVA, M.M.

Study of channel carbon black, carried off by combustion products
Trudy VNI no.5:184-187 '54. (MLRA 9:1)
(Carbon black)

MAKAROV, K.I.; POLYAKOVA, M.M.; SOLOV'YEV, Ye.A.

Kinetics of the heat conversion of methane. Gaz. prom. 8 no.8:
40-48 '63. (MIRA 17:11)

USSR/Human and Animal Morphology - Normal and Pathological.
Circulatory System.

S

Abs Jour : Ref Zhur Biol., No 11, 1959, 50263

Author : Polyakova, M.M.
Inst : ~~USSR Academy of Sciences, Institute of Anatomy and Physiology~~

Title : Variations in the Location of the Arch of Aorta and of
Its Major Branches in Man

Orig Pub : Khirurgiya, 1957, No 5, 149-151

Abstract : In 100 cadavers of adult humans, seven variants of the branching out of the innominate trunk (divided into the right subclavicular and common carotid arteries) and of the left subclavicular artery from the arch of aorta were found. In 89 cases, the upper semicircle of the arch of aorta was located 0.2-4 cm beneath the edge of the jugular notch, and in four cases 0.2-1 cm above the notch. In 70 cases, the upper semicircle of the left innominate vein was found 0.1-3 cm beneath the jugular notch,

Card 1/2

- 10 -

USSR/Human and Animal Morphology - Normal and Pathological.
Circulatory System.

S

Abs Jour : Ref Zhur Biol., No 11, 1958, 50263

in 10 cases 0.2-1 cm above the notch, and in 20 cases at the same level with the jugular notch. In seven cases, not three but only two arteries originated in the arch of aorta, while in eight cases a. thyroidea ima was found to originate in the innominate artery.

Card 2/2

POLYAKOVA, M.M.; TESNER, F.A.

Composition of gaseous combustion products in the diffusion flame
of natural gas. Trudy VNIIGAZ no.6:63-73 '59.

(MIRA 12:10)

(Flame) (Gas, Natural)

POLYAKOVA, M.M.; RAFAI'KES, I.S.; ROBINOVICH, Ye..Ya.; TESNER, P.A.

Formation of acetylene in the thermal decomposition and incomplete combustion of natural gas. Trudy VNIIGAZ no.6:17-36
'59. (MIRA 12:10)

(Gas, Natural) (Acetylene)

Country : USSR
Category= : Human and Animal Physiology. T
Lymphatic Circulation.
Abs. Jour. : Ref Zhur-Biol., no 23, 1958, 106511
Author : Polyakova, M. I.
Institut. : North-Osetia Medical Institute.
Title : The Historical Development of Studies Concerning the Lymphatic System.
Orig. Pub. : Tr. Sev.-Osetinsk. med. in-ta, 1957, 6, 47-56
Abstract : No abstract.

Card: 1/1

62

POLYAKOVA, M. M.

USSR / Human and Animal Morphology - Lymphatic System. S

Abs Jour : Ref. Zhur. - Biol., No. 22, 1958, No. 101501

Author : Polyakova, M.M.

Inst : North Osetin Medical Institute

Title : The Study of the Lymphatic-Venous Anastomoses of the Retroperitoneal Space and the Posterior Mediastinum by the Method of Double Salt Injection.

Orig Pub : Tr. Sev.-Osetinsk. med. in-ta, 1957, Vol. 6, 90-100

Abstract : The thoracic duct was injected with a solution of iron sulphate, and the azygous vein was injected in retrograde fashion with a solution of "red blood salt". The formation of Turnbull blue occurred in the lymphatic-venous anastomoses (LVA). The latter, measuring 2-3 cm in length and 0.1-0.2 cm in diameter, were found most frequently

Card 1/2

POLYAKOVA, M.M.

Studying the oxidation of dispersed types of channel black.
Trudy VNIIGAZ no.3:106-115 '58. (MIRA 11:8)
(Carbon black)

POLYAKOVA, M.M.

Variations in the location of the aortic arch and its major branches
in man. Khirurgiia 33 no.5:149-151 My '57. (MLRA 10:8)

1. Is kafedry klinicheskoy anatomii i operativnoy khirurgii (zav. -
chlen-korrespondent AMN SSSR prof. B.V.Ognev) Tsentral'nogo instituta
usovershenstvovaniya vrachey

(AORTA, anat. & histol.

aortic arch & major branches, variations in locations
(rus))

POLYAKOVA, M.N.

~~Geochimistry~~ Geochemistry of iodine of underground-waters in the Crimea
steppe region [with English summary in insert]. *Geokhimiia*
no.4:64-69 '56. (MLRA 9:11)

1. Krymskiy filial Akademii nauk USSR, Simferopol'.
(Crimea--Water, Underground) (Iodine)

LITVIN-MAKSYUTA, K.M.; GOSTISHCHEV, K.P.; KRYSENKO, N.S.; POLYAKOVA,
M.N.; ZUBENKO, K.L.; KOZACHENKO, V.K.; VASIL'YEVA, N.M.

Regeneration of xanthate from cobalt cake. TSvet. met. 38
no.6:44-45 Je '65. (MIRA 18:10)

POLYAKOVA, M.N., kand. med. nauk.

Comparative anatomical basis for lymph-venous anastomoses in man.
Khirurgiya 34 no.12:44-48 D '58. (MIRA 12:1)

1. Iz kafedry klinicheskoy anatomii i operativnoy khirurgiia (sav. -
chlen-korrespondent AMN SSSR prof. B.V. Ognev) Tsentral'nogo instituta
usovershenstvovaniya vrachey.

(LYMPHATIC SYSTEM, anat. & histol.)

lymph-venous anastomoses in cadavers (Rus))

(VEINS, anat. & histol.)

venous-lymph anastomoses in cadavers (Rus))

S/069/62/024/002/005/008
B101/B110

AUTHORS: Kiselev, A. V., Kovaleva, N. V., Polyakova, M. N., Tesner,
P. A.

TITLE: Adsorption properties of oxidized carbon blacks. 2. Oxida-
tion of channel black in a gas medium

PERIODICAL: Kolloidnyy zhurnal, v. 24, no. 2, 1962, 195-200

TEXT: The authors study the reason why oxidized channel black gives better printing ink than unoxidized channel black. Ukhta gas channel black sample B-1369 (V-1369) was oxidized for 2 hrs with atmospheric oxygen at 450°C and an air stream of 3 liter/min. The weight loss was 4-5%; the O₂ content increased from 4.4 to 8.15%; the specific surface (determined by the BET method) increased from 148 m²/g to 295 m²/g for N₂ and C₆H₆, and 142 m²/g for n-C₆H₁₂. The black samples were evacuated to 10⁻⁵ mm Hg at 200°C; next the adsorption isotherm for vapors of n-hexane, benzene, methanol, and water were taken. Results: (1) The total adsorption capacity for all vapor kinds doubled; (2) the adsorption capacity per surface unit, however,

Card 1/2

Adsorption properties of ...

S/069/62/024/002/005/008
B101/B110

increased only for n-hexane and benzene, that for methanol changed but little, whereas that for water remained unchanged. Thus, the hydrophily of black oxidized with atmospheric oxygen, remained unchanged. The high adsorption of hydrocarbons is due to the adsorption potential of micro-pores formed during oxidation. The lower adsorption capacity for C_6H_{12} is

explained by its larger molecules which cannot infiltrate into all pores. (3) Channel black oxidized in a liquid medium ($HNO_3 + H_2SO_4$) showed

increased hydrophily and adsorption of polar substances, owing to a considerable increase in surface groups containing oxygen. There are 2 figures, 1 table, and 13 references: 9 Soviet and 4 non-Soviet. The four most recent references to English-language publications read as follows: W. R. Smith, W. D. Shaefer, Rubber Chem. and Technol., 23, 625, 1950; I. V. Hallum, H. V. Drushell, J. Phys. Chem., 61, 110, 1958; W. R. Smith, M. H. Polley, J. Phys. Chem., 60, 689, 1956; A. A. Isirikyan, A. V. Kiselev, J. Phys. Chem., 65, 601, 1961.

ASSOCIATION: Institut fizicheskoy khimii AN SSSR, Moskva (Institute of Physical Chemistry of AS USSR, Moscow)

SUBMITTED: April 24, 1961

Card 2/2

S/586/61/022/085/002/003
D234/D304

AUTHORS: Gerts, Ye.V., Kreynin, G.V. and Polyakova, M.V.

TITLE: Use of electronic computers for the design of pneumatic devices

SOURCE: Akademiya nauk SSSR, Institut mashinovedeniya. Seminar po teorii mashin i mekhanizmov, Trudy, v. 22, no. 85/86. Moscow, 1961, 68-86

TEXT: The authors deal only with the interval of displacement of the piston and two-sided pneumatic device with constant load. The equations of motions of the device are quoted from previous papers and the results of solution by an electronic simulating device and by a digital 'Strela' computer are considered. Oscillograms and graphs of the solutions in dimensionless quantities are given for several values of parameters and analyzed in detail. It is stated that the solutions by simulating devices were checked on a digital computer and found to be accurate up to 5-7%. The graphs and oscillograms allow the time of piston displacement to be determined for a wide range of constructions of pneumatic devices. There are 11 figures, 1 table and 9 Soviet-bloc references.

SUBMITTED: November 22, 1960

Card 1/1

POLYAKOVA, M.V., starshiy nauchnyy sotrudnik

- Effect of the size of windrows on the performance of combines.
Mekh. sil'. hosp. 12 no. 6:9-10 Je '61. (MIRA 14:5)

1. Khar'kovskaya issledovatel'skaya stantsiya Ukrainского
nauchno-issledovatel'skogo instituta mekhanizatsii i elektrifikatsii
sel'skogo khozyaystva.
(Combines (Agricultural machinery))

POLYAKOVA, M.V.inzh.

Effect of methods and time on the quality of grain harvesting.
Mekh. sil' hosp. 9 no. 7:29-30 J1 '58. (MIRA 11:8)
(Grain--Harvesting)

POLYAKOVA, M.Ya.

Effect of blood from manic-depressive patients on the higher nervous activity (behavior) in animals. Zhur. nerv. i psikh. 61 no.1:104-108 '61. (MIRA 14:4)

1. Institut fiziologii imeni I.P. Pavlova, Leningrad.
(MANIC-DEPRESSIVE PSYCHOSES) (CONDITIONED RESPONSE)

POLYAKOVA, M.Ya., kandidat meditsinskikh nauk.

Memorization and production of completed and incompletd actions
in brain contusion. Trudy Gos.inst.po izuch.mozga 15:168-173
'47. (MLRA 7:2)

1. Iz Instituta Mozga im. Bekhtereva (direktor Instituta -
zasluzhenny deyatel' nauki professor V.P.Osipov) i N-skogo
gospitalya (nachal'nik voyenvrach III ranga M.Ya.Polyakova).
(Brain--Wounds and injuries) (Memory, Disorders of)

POLYAKOVA, M. Ya.

"The Effect of the Blood of Patients Afflicted
with Manic-Depressive Psychosis on the Tyur-Kovskiy
Reflex in Frogs with Their Suprarenal Glands
Removed," Nevropatol. i Psikhiat., 17, No. 2, 1948.
Cand. Med. Sci. Sec. of Neuropsychiatry, Inst.
Bekhterev, -c1948-. Chair of Psychiatry,
Mil. Med. Acad. S. M. Kirov, -c1948-.

POLYAKOVA, M. Ya;KOKIN, M. K.

Biological characteristics of the blood in epilepsy.
Nevropat. psikhiat., Moskva 19 no.5:54-58 Sept-Oct. 1950.
(CJML 20:1)

1. Of the Department of Experimental Neuropsychiatry, Institute of the Brain imeni Bekhterev (Head of Department and Director of Institute -- Prof. V. P. Osipov, Lieutenant General Medical Corps, Corresponding Member of the Academy of Sciences USSR, Active Member of the Academy of Medical Sciences USSR, deceased).

POLYAKOVA, M.Ya. (Leningrad)

Viktor Petrovich Osipov. Zhur. nevr. i psikh. 61 no,9:1404-1406 '61.
(MIFA 14:9)

(OSIPOV, VIKTOR PETROVICH, 1871-1947)

POLYAKOVA, M.Ye. (Omsk)

Social forms in the activities of the public health agencies of
Omsk Province. Zdrav.Ros.Fedr. 6 no.12:16-20 D '62.

(MIRA 16:1)

1. Iz kafedry organizatsii zdravookhraneniya Tsentral'nogo
instituta usovershenstvovaniya vrachey.

(OMSK PROVINCE--PUBLIC HEALTH)

ПОЛИАКОВА, М. Я.

POLYAKOVA, M. Ye.

Reorganization of rural public health administration. Zdrav. Ros.
Feder. 2 no.2:10-15 P '58. (MIRA 11:3)

1. Zaveduyushchaya Omskia oblastnym otdelom zdavookhraneniya.
(PUBLIC HEALTH, RURAL)

MOTOVILOV, V.V., kand.tekhn.nauk, dotsent; FOLYAKOVA, N.A., kand.tekhn.nauk,
dotsent

Semiautomatic device for connecting a number of communication points
to a single central one-terminal set. Izv. vys. ucheb. zav.; energ.
4 no.11:12-24 N '61. (MIRA 14:12)

1. Kuybyshevskiy industrial'nyy institut imeni V.V.Kuybysheva.
Predstavlena kafedroy elektricheskikh stantsiy.
(Electric power distribution--Communication systems)

PISKUHOV, V.; PODGORNOVA, V.; POLYAKOVA, N.; ROCHKO, V.; KHOLOD, S.

[Study the economics of your enterprise; visual aid for students of economics schools] Izuchai ekonomiku svoego predpriatia; nagliadnoe posobie dlia slushatelei nachal'nykh ekonomicheskikh shkol. Leningrad, Gospolitizdat, 1961.
46 p. (MIRA 14:4)
(Industrial management—Audio-visual aids)

GOTSIRIDZE, Otar Davidovich; POLYAKOVA, N., red.; DANILINA, A.,
tekh.n.red.

[Seven-year plan of Georgia] Semiletka Gruzii. Moskva, Gos.
izd-vo polit.lit-ry, 1960. 46 p. (MIRA 13:6)

1. Predsedatel' Gosplana GruzSSR (for Gotsiridze).
(Georgia--Economic policy)

KARTASHOV, Rostislav Nikolayevich,; YAKUSHKIN, Dmitriy Ivanovich,; POLYAKOVA,
H., red.; MUKHIN, Yu., tekhn. red.

[Agriculture] Sel'skoe khoziaistvo. Moskva, Gos. izd-vo polit.
lit-ry, 1958. 229 p. (MIRA 11;12)
(Agriculture)

KRAYEV, Mikhail Aleksandrovich; POLYAKOVA, N., red.; MUKHIN, Yu., tekhn.
red.

[New stage in the development of collective farms] Novyi etap v
razvitií kolkhoznogo stroia. Moskva, Gos. izd-vo polit. lit-ry,
1958. 54 p. (MIRA 11:9)

(Collective farms)

KHRUSHCHEV, Nikita Sergeevich; POLYAKOVA, N., red.; MUKHIN, Yu.,
tekh. red.

[The building of communism in the U.S.S.R. and the develop-
ment of agriculture] Stroitel'stvo kommunizma v SSSR i raz-
vitiie sel'skogo khoziaistva v piati tomakh. Moskva, Gos-
politizdat. Vol.2. [February, 1955 - January, 1958] Fevral'
1955 goda - ianvar' 1958 goda. 1962. 533 p. (MIRA 15:10)
(Agricultural policy)

GORBUNOV, Valeriy Arkad'yevich; POLYAKOVA, N., red.; KLIMOVA, T., tekhn.
red.

[For the honor of the trademark] Za chest' zavodskoi marki. Moskva,
Gos. izd-vo polit. lit-ry, 1961. 45 p. (MIRA 14:11)
(Quality control)

PROZOROV, Petr Alekseyevich, dvazhdy Geroy Sotsialisticheskogo Truda;
POLYAKOVA, N., red.; MUKHIN, Yu., tekhn. red.

[Collective farms and communism] Kolkhoz i kommunizm; literaturnaia
zapis' I.A.TSikoto. Moskva, Gos.izd-vo polit.lit-ry, 1960. 94 p.
(MIRA 14:6)

1. Predsedatel' kolkhoza "Krasnyy Oktyabr'", Kirovskoy oblasti (for
Prozorov)

(Collective farms)

PAVLOV, Kirill Pavlovich; VOSKRESKNSKAYA, T., red.; POLYAKOVA, N., red.;
BAKOVETSKIY, O., mlad. red.; SHIKIN, S., tekhn. red.

[Role of the state monopoly in exports in the building of
socialism in the U.S.S.R.; 1918-1937] Rol' gosudarstvennoi
monopolii vneshnei trgovli v postroenii sotsializma v SSSR,
1918-1937. Moskva, Izd-vo sotsial'no-ekon. lit-ry, 1960.
182 p. (MIRA 14:5)

(Russia--Commerce)

DROFAN', Anateliy Pavlovich, dvashdy Geroi Setzialisticheskogo Truda;
POLYAKOVA, N., red.; MUKHIN, Yu., tekhn.red.

[Central figure] Tsentral'naya figura. Moskva, Gos.izd-vo
polit.lit-ry, 1961. 31 p. (MIRA 14:12)
(Litvinenko, Vasilii Timofeevich)

ABRAMOV, V.A.; RUMYANTSEV, A.F.; CHAYKIN, P.I.; ABATURIN, L.V.;
GAVRILOV, V.I.; ALTAYSKIY, I.P.; KAMINSKIY, A.Ye.; SUKACH,
P.V.; VASIL'YEV, V.N.; OBOLENSKIY, K.P.; SAVEL'YEV, Ye.A.;
MOTOV, S.I.; RUSAKOV, G.K.; IVANOV, F.G.; PISKUNOV, V.,
red.; POIYAKOVA, E., red.; MUKHIN, Yu., tekhn. red.

[Economics of agricultural enterprises; textbook] Ekonomika
sel'skokhoziaistvennykh predpriyatii; uchebnoe posobie. Mo-
skva, Gospolitizdat, 1962. 510 p. (MIRA 15:9)

1. Kommunisticheskaya partiya Sovetskogo Soyuza. Vysshaya
partiynaya shkola.

(Farm management)

DUSHEN'KIN, Vasiliy Vasil'yevich; POLYAKOVA, N., red.; TROYANOVSKAYA, N.,
tekh. red.

[From soldier to marshal; life and combat career of V.K.Bliukher,
Marshal of the Soviet Union] Ot soldata do marshala; zhizn' i
boevoi put' Marshala Sovetskogo Soiuza V.K.Bliukhera. 1zd.2.,
dop. i ispr. Moskva, Gos. izd-vo polit. lit-ry, 1961. 173 p.
(MIRA 15:3)

(Bliukher, Vasilii Konstantinovich, 1889-1938)

SOKOLOV, Mikhail Maksimovich; TARASOV, A.F., otv. red.; POLYAKOVA, N.,
red.; KLIMOVA, T., tekhn. red.

[Economics of ~~socialist~~ agriculture] Ekonomika sotsialisticheskogo sel'skogo khoziaistva. Moskva, Gospolitizdat, 1962.
254 p. (MIRA 15:8)
(Agriculture--Economic aspects)

NIKOLAYEV, Viktor Vladimirovich; POLYAKOVA, N., red.; KLIMOVA, T.,
tekhn.red.

[Toward the shortest workday in the world] K samomu korotkomu
rabochemu dniu v mire. Moskva, Gos.izd-vo polit.lit-ry, 1960.
31 p. (MIRA 14:3)

(Hours of labor)

KISELEV, I.I.; BORISOV, N.I.; YASINOVSKIY, B.S., inzh.; SANNIKOV, Yu.K., inzh.; SOKOLOV, V.A., inzh.; LEVCHENKO, L.D., inzh.; NALOYEV, G.A., inzh.; CHICHAKOV, K.K., inzh.; BARYKIN, V.I., inzh.; FREYDLIN, A.Ya., inzh. GULYAYEV, A.I., inzh.; STIGNEYEV, Ya.F., inzh.; SHAGANOVA, K.N., inzh.; KHELIMSKIY, I.Ye., inzh.; AVROV, A.N., inzh.; DEMIDOVA, M.I., inzh.; NIKIFOROVA, Ye.D., inzh.; KLIBANOVA, F.I., inzh.; CHIVKUNOV, K.I., inzh.; STOROZHKO, I.G., inzh.; NOVAKOVSKIY, Ye.Ya., inzh.; GOYKHTUL', A.O., inzh.; TARASOV, A.M., inzh.; SHISHKO, A.P., inzh.; UVAROV, P.T., ekonomist; DRAGUNOV, M.V., ekonomist; KARANDASHOV, A.A., ekonomist; KONKIN, M.V., ekonomist; GOREV, M.S., ekonomist. Prinimali uchastiye: LAPIN, T.I.; RAMENSKIY, Yu.A.; KADINSKIY, B.A.; SOKOLOV, S.D.; STOROZHKO, I.G.; FOMINYKH, A.I.. POLYAKOVA, N., red.; SMIRNOV, G., tekhn.red.

[Organization and improvement of production; practices of the Gorkiy Automobile Plant] Organizatsiia i sovershenstvovanie proizvodstva; opyt Gor'kovskogo avtozavoda. Moskva, Gos. izd-vo polit. lit-ry, 1958. 332 p. (MIRA 12:2)

1. Direktor Gor'kovskogo avtomobil'nogo zavoda (for Kiselev).
2. Glavnyy inzhener Gor'kovskogo avtomobil'nogo zavoda (for Borisov).
3. Gor'kovskiy avtomobil'nyy zavod (for all except Kiselev, Borisov, Polyakova, Smirnov).

(Gorkiy--Automobile industry)

POLYAKOVA, N.: SILANOVA, A. [Sylanova, H.]

Congress of delegates of the All-Union Biochemical Society.
Ukr.biokhim.zhur. 31 no.3:467-469 '59. (MIRA 12:9)
(BIOCHEMICAL SOCIETIES)

KOROCHKIN, Vladimir Vasil'yevich, преподаvatel', kand. ekonom. nauk;
POLYAKOVA, N., red.; TROYANOVSKAYA, N., tekhn. red.

[Business accounting on collective and state farms] Khoziaistven-
nyi raschet v kolkhozakh i sovkhozakh. Moskva, Gospolitizdat,
1962. 45 p. (MIRA 15:8)

1. Moskovskiy gosudarstvennyy universitet (for Korochkin).
(Agriculture---Finance)

KAZAKOV, S.V.; SINITSYNA, K.V.; SKAPENKOVA, T.N.; SOROKINA, L.I.; POLYAKOVA, N., red.; DANILINA, A., tekhn. red.

[People going forward] Idushchie vpered. Moskva, Gos.izd-vo polit.
lit-ry, 1961. 438 p. (MIRA 14:6)
(Labor and laboring classes)

SMIRNITSKIY, Yevgeniy Konstantinovich; POLYAKOVA, N., red.

[Think and count; an aid for practical studies in economics study groups and seminars in industrial enterprises] Podumaite, podschitaite; posobie dlia prakticheskikh zaniatii v ekonomicheskikh kruzhhkakh i seminarakh na promyshlennom predpriatii. Moskva, Politizdat, 1965. 174 p. (MIRA 18:5)

1. Direktor Nauchno-issledovatel'skogo instituta ekonomiki i organizatsii proizvodstva Sredne-Ural'skogo sovnarkhoza (for Smirnitskiy).

BASYUK, Timofey Leont'yevich; POLYAKOVA, N., redaktor; DANILINA, A.,
tekhnicheskiy redaktor

[Organization of socialist agricultural production; a textbook]
Organizatsiia sotsialisticheskogo sel'skokhoziaistvennogo proizvodstva;
uchebnik. Moskva, Gos. izd-vo polit. lit-ry, 1956. 455 p. (MLRA 10:1)
(Agriculture)

TARASOV, Aleksey Prolovich; POLYAKOVA, N., redaktor; MUKHIN, Yu., tekhnicheskii redaktor

[The development of the general economy is the basis for the organizational and economic consolidation of collective farms]
Razvitie obshchestvennogo khoziaistva - osnova organizatsionno-khoziaistvennogo ukrepleniia kolkhosov. Moskva, Gos. izd-vo polit. lit-ry, 1956. 71 p. (MLRA 10:1)
(Collective farms)

ABRAMOV, V.A.; RUMYANTSEV, A.F.; CHAYKIN, F.I.; ABATURIN, L.V.;
GAVRILOV, V.I.; ALTAYSKIY, I.P.; KAMINSKIY, A.Ye.;
SUKACH, A.F.; VASIL'YEV, V.N.; OBOLENSKIY, K.P.;
SAVEL'YEV, V.A.; RUSAKOV, G.K.; IVANOV, F.G.; POLYAKOVA, N.,
red.; MUKHIN, Yu., tekhn.red. .

[Economics of agricultural enterprises] Ekonomika sel'sko-
khoziaistvennykh predpriyatii; uchebnoe posobie. Izd.2.,
dop. Moskva, Politizdat, 1963. 527 p. (MIRA 17:1)

1. Kommunisticheskaya partiya Sovetskogo Soyuza. Vysshaya
partiynaya shkola.

(Agriculture--Economic aspects)

BLYAKHMAN, L.S. (Leningrad); MAZUROV, V.F. (Rostov-na-Donu);
MOISEYEV, A.V. (Krasnodar); OMAROV, A.M. (Moskva);
SMIRNITSKIY, Ye.K. (Sverdlovsk); POLYAKOVA, N., red.

[Economics of socialist industry; a popular textbook]
Ekonomika sotsialisticheskoi promyshlennosti; populiarnoe posobie. Moskva, Politizdat, 1965. 287 p.
(MIRA 18:8)

CHEKMEV, Yevgeniy Mikhaylovich; POLYANOVA, N., redaktor; TROYANOVSKAYA, N.,
tekhnicheskiy redaktor

[Five-year plan for a great expansion of agriculture] Piatiletka
krutogo pod'ema sel'skogo khoziaistva. Moskva, Gos. izd-vo polit.
lit-ry, 1956. 111 p. (MIRA 10:1)
(Agriculture)

BASYUK, Timofey Leont'yevich; POLYAKOVA, N., redaktor; DANILINA, A.,
tekhnicheskiiy redaktor

[The organization of socialist agriculture; a textbook] Organizatsiia
sotsialisticheskogo sel'skokhoziaistvennogo proizvodstva; uchebnik.
Moskva, Gos. izd-vo polit. lit-ry, 1956. 455 p. (MLRA 10:2)
(Agriculture)

ZVEZDIN, Z.K., nauchnyy sotrudnik; ROGACHEVSKAYA, L.S., nauchnyy sotrudnik;
RAYEVSKIY, D.A., redaktor; POLYAKOVA, N., redaktor; MUKHIN, Yu.,
tekhnicheskiy redaktor

[Political and industrial gains of the working class of the Soviet
Union (1928-1929); a collection of documents] Politicheskii i
trudovoi pod'em rabocheho klassa SSSR (1928-1929 gg.); [sbornik
dokumentov. Pod red. D.A.Baevskogo.] Moskva, Gos. izd-vo polit.
lit-ry, 1956. 611 p. (MLRA 9:9)

1. Akademiya nauk SSSR. Institut istorii. 2. Tsentral'nyy Gosudar-
stvennyy arkhiv Oktyabr'skoy revolyutsii i sotsialisticheskogo
stroitel'stva (for Zvezdin) 3. Institut istorii Akadenii nauk SSSR
(for Rogachevskaya)
(Labor and laboring classes)

SHUMAUSKAS, Moteyus Yuozovich [Šumauskas, M.J.]; POLYAKOVA, N., red.;
POPOVA, T., tekhn.red.

[Story about the future of Lithuania] Rasskaz o budushchem
Litvy. Moskva, Gos.izd-ve polit.lit-ry, 1959. 71 p.

(MIRA 13:1)

1. Predsedatel' Soveta Ministrov Litovskoy SSR (for Shumauskas).
(Lithuania--Economic policy)

KHEYNMAN, Solomon Aronovich; POLYAKOVA, N., red.; TYUNEYEVA, A., tekhn.red.

[How bourgeois economists "struggle" against the rate of Soviet development] Kak burzhuaznye ekonomisty "srazhalutsia" s sovetskimi tempami. Moskva, Gos.izd-vo polit.lit-ry, 1959. 103 p.

(MIRA 12:12)

(Russia--Economic conditions)

MOTOVILIV, V.V., kand.tekhn.nauk, dotsent, POLYAKOVA, N.A., kand.tekhn.nauk,
dotsent

Remote signaling devices for three and six signals. Izv. vys. ucheb.
zav.; energ. 5 no.6:9-15 Je '62. (MIRA 15:6)

1. Kuybushevskiy industrial'nyy institut imeni V.V.Kuybysheva.
Predstavlena kafedroy elektricheskikh stantsiy.
(Electric power distribution--Communication systems)

KOROCHKIN, Vladimir Vasil'yevich; POLYAKOVA, N.A., red.; DEMENT'YEV, V.A.,
red.izd-va; GARINA, T.D., tekhn.red.

[The transition of collective farms to a monetary wage system]
Perekhod kolkhozov na sistemu denezhnoi oplaty. Moskva, Gos.izd-vo
"Vysshaya shkola," 1960. 36 p. (MIRA 14:4)
(Collective farms--Income distribution)

ALIYEV, G.A. (Moskva); BUSLENKO, N.F. (Moskva); KLIMOV, G.I. (Moskva); NAZARENKO, A.I. (Moskva); Primalni uchastiy: POLYAKOVA, N.A.; DATSKEVICH, R.T.; GAYDABUKA, L.A.

Modeling of the operation of an automated furnace machine for welding pipes. Probl. kib. no.9:211-240 '63. (MIRA 17:10)

1. Elektrostal'skiy zavod tyuzhelogo mashinostroyeniya (for Polyakova, Datskevich, Gaydabuka).

BEREZOVSKIY, V.M.; TUL'CHINSKAYA, L.S.; POLYAKOVA, N.A.

Alloxazine and iscalloxazine series. Part 13: Synthesis of
7 aminocalloxazine, 7-amino(demethyl)riboflavine and their
derivatives. Zhur. ob. khim. 35 no.4:673-677 Ap '65.

(MIRA 18:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy vitaminnyy institut.

SAVCHENKO, V.F.; POLYAKOVA, N.A.; GOMEL'KO, A.M.; KHARLAMOVA, A.I.

Promising varieties of vegetable cultures for the canning industry
of White Russia. Trudy BNIIPPT no.4:145-150 '61.

(MIRA 17:10)

SAVCHENKO, V.F.; POLYAKOVA, N.A.; GOMEL'KO, A.M.

Potentials for increasing the fruit and berries resources for the
canning industry of White Russia. Trudy BNIIPPT no.4:151-157 '61.
(MIRA 17:10)