

GUREVICH, Isay Isidorovich; TARASOV, Lev Vasil'yevich; KOZLOV,
V.D., red.

[Physics of low-energy neutrons] Fizika neytronov niz-
kikh energii. Moskva, Nauka, 1965. 607 p.
(MIRA 19:1)

TARASOV, M.N.; PAVELKO, I.M.

Hydrochemistry of the Shiderty River portion of the course of
the Irtysh-Karaganda Canal. *Gidrokhim.mat*, 36:15-25 '64.
(MIRA 18:11)

1. *Gidrokhimicheskiy institut, Novocherkassk*. Submitted
November 20, 1961.

S/117/63/000/002/004/006
A004/A101

AUTHOR: Tarasov, L. B.

TITLE: Metallizing pseudoalloys

PERIODICAL: Mashinostroitel', no. 2, 1963, 35 - 36

TEXT: In summer 1962 a scientific and technical conference on the subject of replacing bearing metals by metallized pseudoalloys was convened in Moscow by the Komitet metallizatsii (Metallizing Committee) of the Leningrad Oblast' Administration of NTO Mashprom, the Tsentral'noye byuro tekhnicheskoy informatsii (Central Bureau of Technical Information) of Lensovnarkhoz and the Leningradskiy dom nauchno-tekhnicheskoy propagandy (Leningrad House of Scientific and Technical Propaganda). 200 representatives of various organizations participated in the conference. In his introductory speech, A. M. Dmitrovich, Candidate of Technical Sciences (Belorussian Polytechnic Institute) reported on the technical and economic advantages of metallizing. A. S. Lebedev, Candidate of Technical Sciences (Leningrad Institute of Engineering Economics) read a paper on the substitution of copper-tin materials by metallizing cheap antifriction pseudoalloys. Ye. G. Pod-

Card 1/2

Metallizing pseudoalloys

S/117/63/000/002/004/006
A004/A101

kovich reported on investigations of complex metallizing pseudoalloys as bearing materials carried out at the Rostov-on-Don Institute of Agricultural Machine Building. S. A. Zalis of the Nevskiy mashinostroitel'nyy zavod im. V. I. Lenina (Nevskiy Machine Building Plant im. V. I. Lenin) read a paper on an installation for producing metallized coatings with powdery fillers. A. M. Edel'son, VNIIVTOGEN, read a paper on the application of antifriction coatings of great thickness to plane cast-iron surfaces. L. P. Vleskov, Chief Mechanic of the Leningrad "Soyuz" Plant reported on the experience of using the AC -50 (AS-50) metallizing pseudoalloy in repairs and reconditioning of plant equipment. I. Z. Kalmanovich, Head of the Central Laboratory of the Kaluzhskiy turbinny zavod (Kaluga Turbine Plant) reported on the experience of using metallized coatings for the protection of components from high temperatures and aggressive media. I. A. Yelin, Head of the Metal Laboratory of the Tsentral'nyy nauchno-issledovatel'skiy institut morskogo flota (Central Scientific Research Institute of the Maritime Fleet) read a paper on the corrosion and fatigue strength of metallizing coatings of stainless steel on sublayers that are applied to improve the adhesiveness of the coating to the base surface. ✓

Card 2/2

I 05094-67 EWT(d)/EWP(i) LJP(r) RB/GG

ACC NR: AP6013303

SOURCE CODE: UR/0413/66/000/008/0097/0098

AUTHORS: Baksheyev, A. I.; Vizun, Yu. I.; Yefimov, I. A.; Tarasov, L. G.

ORG: none

TITLE: A magnetic address decoder of a storage device with linear selection. Class 42, No. 180855 /announced by Institute of Precision Mechanics and Computational Technology, AN SSSR (Institut tochnoy mekhaniki i vychislitel'noy tekhniki AN SSSR)/

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 8, 1966, 97-98

TOPIC TAGS: computer storage device, magnetic core storage, computer memory, memory address

ABSTRACT: This Author Certificate presents a magnetic address decoder of a storage device with linear selection. The decoder includes magnetic coordinate cores and a system of windings (see Fig. 1). The design increases the response time and simplifies the matching with semiconductor current shapers. The coordinate windings are made in the form of matched artificial delay lines. To provide these delay lines, capacitors are connected between the inductances (formed by the groups of windings of the coordinate cores) and the common busbar. Loads which are equal to the wave impedance of the delay lines are connected to the output of the lines.

Cord 1/2

UDC: 681.142.07

L 05094-67

ACC NR: AP6013303

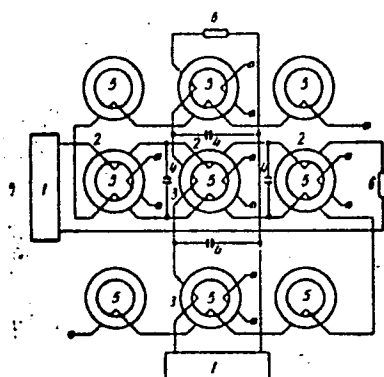


Fig. 1. 1 - coordinate current shapers;
2 and 3 - coordinate windings; 4 - capacitors;
5 - magnetic coordinate cores; 6 - loads

Orig. art. has: 1 figure.

SUB CODE: 09/ SUBM DATE: 16Feb65

Card 2/2 LC

ACC NR: AT700764C

SOURCE CODE: UR/0000/66/000/000/0086/0094

AUTHOR: Vizun, Yu. I.; Yefimov, I. A.; Tarasov, L. G.

ORG: none

TITLE: The design of a main memory using biax type elements

SOURCE: Vsesoyuznoye soveshchaniye po magnitnym elementam avtomatiki i vychislitel'noy tekhniki. 10th, Kaunas, 1964. Magnitnyye elementy vychislitel'noy tekhniki (Magnetic elements in computer engineering); trudy soveshchaniya, pt. 2. Moscow, Izd-vo Nauka, 1966, 86-94

TOPIC TAGS: computer memory, memory core, ferrite core memory, *magnetic circuit*

ABSTRACT: The development of an asymmetric biax which can be used as a main magnetic core memory with non-destructive readout is reported. The biax was made of ordinary ferrite of the 1.3 VT type, and was not subjected to any additional magnetic treatment. The write magnetic circuit of the device is ring-shaped. The length-ratio of the minimal line of force to the maximum is approximately 0.7. The number of ampere-turns necessary for full write current is 0.6-0.8 a; the residual flux is 5 Maxwell, and the switching time, 1 μ sec. The complex magnetic signal-reading circuit is characterized by the small diameter of the hole (0.6 mm) and very thin walls. The average hole-diameter to maximum-perimeter ratio is approximately 0.3; the transmission factor is 8. The dimensions of the device in respect to all three-

Card 1/2

UDC: none

ACC NR: AT7007640

spatial axes are different, as are the shapes of its surfaces. An automatic orienting device could therefore be designed which would set biaxes in the common operating position. It is concluded that the asymmetrical biax is an improvement over symmetrical biax, and that its use in memory units results in significant reduction of interference during recording. Orig. art. has: 4 figures.

SUB CODE: 09/ SUBM DATE: none/ ORIG REF: 001/ OTH REF: 001

Card 2/2

TARASOV, L.I., inzh. (Novocherkassk)

The hydraulics of siphons. Vod. i san. tekhn. no.8:23-27
Ag '62. (Siphons) (MIRA 15:9)

ZVARA, I.; TARASOV, L.K.

[Studying the interaction of gaseous $ZrCl_4$, $HfCl_4$, $NbCl_5$, and $TaCl_5$ with KCl by means of radioactive tracers] *izuchenie vzaimodeistviia gazoobraznykh $ZrCl_4$, $HfCl_4$, $NbCl_5$ i $TaCl_5$ s KCl s pomoshch'iu radioaktivnykh indikatorov. Dubna, Ob"edinonnyi in-t iadernykh issledovani, 1962. 11 p. (MIRA 15:6)*
(Nuclear reactions) (Radioactive tracers)

S/078/62/007/012/003/022
B144/B180

AUTHORS: Zvara, I., Tarasov, L. K.

TITLE: Radioactive indicator study of the interaction between KCl and gaseous $ZrCl_4$, $HfCl_4$, $NbCl_5$ and $TaCl_5$

PERIODICAL: Zhurnal neorganicheskoy khimii, v. 7, no. 12, 1962, 2665-2670

TEXT: The system volatile chloride - alkali-metal chloride was studied with the aim of extending radiochemical methods. Metal oxides tagged with Zr^{95} , Hf^{181} , Nb^{95} or Ta^{182} (10 μ cu per test) were mixed with 10^{-5} - 10^{-2} g oxalate solution as carrier, surfactants and powdered carbon (20 mg) were added, the mixture was dried and then heated to $300^\circ C$ in a dry Cl flow. Chlorination proceeded at $600 - 800^\circ C$ at a volume rate of $(4 - 30) \cdot 10^9$ l/min and the gaseous mixture was then passed into a narrow tube containing KCl and having a temperature gradient of $20^\circ C/cm$. When 60% of the oxide had been chlorinated, the activity distribution in the KCl layer was measured with a scintillation counter. The experimentally found shape of the entrapped chloride zone agreed with that calculated from:

Card 1/3

Radioactive indicator study of the ...

S/078/62/007/012/003/022
R144/0180

$f(x) = k / (T_1 - \tau x)^2 \cdot 10 \exp(-A / (T_1 - \tau x))$, $x > x_0$ and $f(x) = 0$, $x \leq x_0$, where τ is the gradient $^{\circ}\text{K}/\text{cm}$ and k a numerical coefficient. This method can be used for determining the temperature dependence of the decomposition pressure of binary systems and the saturated vapor pressure of single compounds. Vapor pressures, decomposition pressures, enthalpies and entropies are indicated for K_2ZrCl_6 , K_2HfCl_6 , K_2TaCl_6 , KNbCl_6 , and the KCl-NbOCl_3 system. It was found that NbCl_5 can be separated from NbOCl_3 by KCl . The equilibrium diagram of the NbOCl_3 - KCl system was studied. The lowest partial pressure reached was 10^{-4} mm Hg. The shape of the zone began to change. For TaCl_5 from 10^{-2} mm Hg, for NbOCl_3 from 10^{-3} mm Hg, and for ZrCl_4 and HfCl_4 from 10^{-4} mm Hg. Chloride adsorption increased gradually along the KCl layer and then fell suddenly. The adsorption coefficient rises when the temperature falls. The discontinuity of the zone shifts to higher temperatures when the partial pressure decreases, and is also test time-dependent. Although not equal that of An. N. Nesmeyanov (Davleniye para khimicheskikh elementov (Vapor pressures of

Card 2/3

Radioactive indicator study of the ...

S/078/62/007/012/003/022
B144/B180

chemical elements), Moscow, Izd-vo AN SSSR, 1961, 31) in accuracy, the method can be used for a variety of substances and at extremely low pressures. Disadvantages are the limited pressure range and the possibility of ambiguous interpretation in some cases. There are 4 figures and 2 tables.

ASSOCIATION: Ob"yedinenny institut yadernykh issledovaniy Laboratoriya yadernykh reaktsiy (Joint Institute of Nuclear Research Laboratory of Nuclear Reactions)

SUBMITTED: April 16, 1962

Card 3/3

S/020/63/148/003/014/037
B108/B180

AUTHORS: Zvara, I., Tarasov, L. K., Krzhivanek, M., Su Hung-kuei,
Zvarova, T. S.

TITLE: Formation of $Zr^{97}Cl_4$ when fission fragments are slowed down
in gases containing chlorine

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 148, no. 3, 1963, 555-557

TEXT: Experiment: A U_3O_8 layer (target) on a mica backing was covered
with a thin fluoroethylene film and placed in a fluoroethylene-4 ampoule.
Gas containing inactive $ZrCl_4$ was passed through the ampoule while the
target was bombarded with neutrons from a standard Po-Be source. The gas
was condensed at the outlet and radiochemically analyzed for Zr^{97} . ✓

Results: Above $170^{\circ}C$, the fission-fragment Zr^{97} is stabilized in the form
of $Zr^{97}Cl_4$. This process involves exchange of the hot Zr^{97} atom (ion) for

Card 1/2

Formation of $Zr^{97}Cl_4$ when fission ...

S/020/63/148/003/014/037
B108/B180

the $ZrCl_4$ molecule. $Zr^{97}Cl_4$ forms from primary fission-fragment Zr^{97} as well as that arising in the beta decay of Y^{97} . The method outlined here can be used to enrich Zr^{97} . There are 1 figure and 1 table.

ASSOCIATION: Ob"yedinennyy institut yadernykh issledovaniy (Joint Institute of Nuclear Research) ✓

PRESENTED: August 1, 1962, by V. N. Kondrat'yev, Academician

SUBMITTED: June 13, 1962

Card 2/2

VINOGRADOV, A.P.; TARASOV, L.S.; ZYKOV, S.I.

Isotopic composition of lead in ores of the Altai and Kazakhstan
[with summary in English]. *Geokhimiya* no.1:3-22 '57.
(MIRA 12:3)

I.Vernadskiy Institute of Geochemistry and Analytical Chemistry,
Academy of Sciences, U.S.S., Moscow.
(Altai Territory--Lead--Isotopes)
(Kazakhstan--Lead--Isotopes)

TARASOV, L. S.

"Change in Lead Isotopic Composition with Time,"

report delivered in the Petrographic Section, 4 April 8 to 7 June 1957.

Chronicle of the Activity of the Petrography Section, Byulleten "Monkovskogo
Obshchestva Ispytateley Prirody, Otdel Geologicheskii, 1957, No. 6, pp. 118-122, 1957.

3(9)

AUTHORS:

Vinogradov, A. P., Zikov, S. I.
Tarasov, L. S.

SOV/7-58-6-1/16

TITLE:

Isotopic Composition of Lead Impurities in Ores and Minerals as an Indicator for the Determination of Their Genesis and Time of Formation (Izotopnyy sostav svintsa-primesi v rudskh i mineralakh kak pokazatel'ikh genezisa i vremeni obrazovaniya)

PERIODICAL:

Geokhimiya, 1958, Nr 6, pp 515 - 523 (USSR)

ABSTRACT:

Samples of Chalcopyrite, pyrite, pyrrhotine, sphalerite, galenite and ore samples of different composition were investigated, as well as quartz, scheelite, tungstenite and cassiterite. The isotopic ratio in lead was determined by a mass spectrograph (method according to Ref 4). The chemical and pyrochemical preparation for mass spectrographical analysis was made by Ye. B. Yevdokimova. The following samples were investigated: 27 from the Rudnyy Altay (Table 1), 9 from the Kalba-Narymskiy rayon (Table 2), 3 from the Gornyy Altay (Table 3), 7 from northern Central Siberia (Table 4) and 5 from the Kola peninsula. Some samples were put at the authors' disposal by: T. V. Zorova,

Card 1/2

Isotopic Composition of Lead Impurities in Ores and
Minerals as an Indicator for the Determination of
Their Genesis and Time of Formation

SOV/7-58-6-1/16

V. L. Barsukov (GEOKhI), O. M. Chirko, Mineralogicheskiy muzey imeni A. Ye. Fersmana AN SSSR (Mineralogical Museum imeni A. Ye. Fersman, AS USSR) and O. Ye. Yushko-Zakharova. The tables and the third chapter contain a mineralogical classification and geological information on the investigated stages. The isotopic ratio in the mineralizations of Kalba and Gornyy Altay which is almost identical refer clearly to a genetic unity and contemporaneous formation. The Pechenga ores are probably Proterozoic, certainly not Caledonian. Cassiterite has an anomalous ratio of isotopes. It is due to inclusions of radioactive minerals, e.g. columbite. There are 5 tables and 11 references, 11 of which are Soviet.

ASSOCIATION: Institut geokhimii i analiticheskoy khimii im. V.I. Vernadskogo AN SSSR, Moskva (Institute of Geochemistry and Analytical Chemistry imeni V.I. Vernadskiy, AS USSR, Moscow)

SUBMITTED: SOV 15, 1958
Card 2/2

TARASOV, L.S.

International Geochemical Conference in Budapest. Geokhimiia no.2:
185-186 '60. (MIRA 13:6)
(Geochemistry--Congresses)

VINOGRADOV, A.P.; TARASOV, L.S.; ZYKOV, S.I.

Isotopic composition of leads from pyrite deposits of the Urals.
Geokhimiia no.6:475-489 '60. (MIRA 13:10)

1. Institut geokhimii i analiticheskoy khimii im. V.I.Vernadskogo
AN SSSR, Moskva.

(Ural Mountains--Lead--Isotopes)

SHCHERBINA, V.V.; NAUMOV, G.B.; MAKAROV, Ye.S.; GERASIMOVSKIY, V.I.;
YERMO-LAYEV, N.P.; TARASOV, L.S.; TUGARINOV, A.I.; BARSUKOV,
Vik.L.; SOKOLOVA, N.Y.; KOCHENOV, A.V.; GERMANOV, A.I.;
ZNAME-NSKIY, V.L., red.izd-va; VINOGRADOV, A.P., akademik, red;
POLYAKOVA, I.V., tekhn.red.

[Essential features of uranium geochemistry]; Osnovnye cherty
geokhimi urana. Pod red. A.P.Vinogradova. Moskva, Izd-vo
AN SSSR, 1963. 350 p. (MIRA 16:10)

1. Akademiya nauk SSSR. Institut geokhimi i analiticheskoy
khimi.

(Uranium)

L 9838-63

EWT(1)/BDS--AFFTC

ACCESSION NR: AP3001808

S/0030/63/000/006/0115/0119

AUTHOR: Tarasov, L. S.

56
53

TITLE: Chemistry of the earth's crust [Conference on Geochemistry held in Moscow, 14-19 March 1963]

SOURCE: AN SSSR. Vestnik, no. 6, 1963, 115-119

TOPIC TAGS: conference on geochemistry, geochemistry

ABSTRACT: Some 70 reports arranged according to the following subject groups were presented by Soviet and non-Soviet scientists: 1) processes in the upper mantle and the earth's crust; 2) magnetic and metamorphic processes; 3) geochemistry of sedimentary processes and underground water; 4) geochemistry of isotopes; 5) absolute age and natural radioactivity; and 6) metallogeny and ore-forming processes. Soviet contributions at the conference included studies of the earth's gas regime, the origin of the atmosphere and its variation in composition with time (A. P. Vinogradov), basic magmatic processes in the light of crystallochemistry (N. V. Byelov), physicochemical properties of the

Card 1/2

L 9838-63
ACCESSION NR: AP3001808

3

deep zones of the earth's crust and upper mantle (N. I. Khitarov), experimental studies of isotope exchange and fractionation processes (A. P. Vinogradov and V. A. Grinenko), and age determination of some of the minerals in the basic and ultrabasic intrusions of the Kola Peninsula, Kareliya, and Aldan (E. K. Gerling).

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 15Jul63

ENCL: 00

SUB CODE: 00

NO REF SOV: 000

OTHER: 000

ja/aa

Card 2/2

TARASOV, L.S.

Mantle and earth crust; formation of terrestrial shells. Priroda
52 no.8:3-17 Ag '63. (MIRA 16:9)

1. Institut geokhimii i analiticheskoy khimii imeni Vernadskogo
AN SSSR, Moskva.

(Earth--Surface)

KHITROV, N.I., *otv. red.*; TARASOV, L.S., *red.*

[Problems of geochemistry; festschrift devoted to the 70th birthday of Academician A.P.Vinogradov] Problemy geokhimii; iubileinyi sbornik, posviashchennyi semidesiatiletiiu akademika A.P.Vinogradova. Moskva, Nauka, 1965. 689 p.
(MIRA 18:8)

1. Akademiya nauk SSSR. Institut geokhimii i analiticheskoy khimii. 2. Chlen-korrespondent AN SSSR (for Khitrov).

ACC NR: AM6010601

(A)

Monograph

UR/

Gurevich, Isay Isidorovich; Tarasov, Lev Vasil'yevich

Physics of low energy neutrons (Fizika neytronov nizkikh energiy) Moscow, Izd-vo "Nauka", 65. 0607 p. illus., biblio. 5,000 copies printed.

TOPIC TAGS: nuclear physics, neutron physics, neutron diffusion, neutron reaction, elementary particle, slow neutron

PURPOSE AND COVERAGE: This book covers problems in solid physics, nuclear physics and physics of elementary particles and is based on experiments on the diffusion of low energy neutrons (with energies lower than 1 eu). This book gives the principles of the physics of low energy neutrons as well as several problems in the theory of diffusion of neutrons. It also considers the use of these neutrons in studies of nuclear physics and solid physics. The book is recommended for scientists, physicists and chemists working in the field of nuclear physics and solid physics. It can also be used as a text for students in advanced courses and for aspirants.

TABLE OF CONTENTS (abridged):

Preface--7

Sec. I. Slow neutrons in physics studies

Part I. Principles of physics of slow neutrons and atomic dynamics of matter

Ch. 1.1. Nature and characteristics of the interaction of slow neutrons with matter--13

Card 1/3

UDC:539.125.5

ACC NR: AM6010601

- Ch. 1.2. Neutron-optical coherent occurrences--57
- Ch. 1.3. Atomic structure and the dynamics of molecules, crystals and liquids--79
- Ch. 1.4. Diffusion of slow neutrons with crystals and liquids--141
- Ch. 1.5. Production and monochromatization of slow neutrons--182
- Ch. 1.6. Polarization of neutrons--200
- Part II. Slow neutrons in nuclear physics studies
 - Ch. 2.1. Amplitudes of diffusion of neutrons in the nuclei--220
 - Ch. 2.2. Neutron-proton interactions--234
 - Ch. 2.3. Neutron-electron interactions--251
 - Ch. 2.4. Properties of the neutron--262
 - Ch. 2.5. Reflection of ultracold neutrons--287
 - Ch. 2.6. Laws of conservation of parity and slow neutrons--298
 - Ch. 2.7. Nuclear precession of neutrons--321
- Part III. Slow neutrons in studies of solid physics
 - Ch. 3.1. Structural studies of nonmagnetic materials--325
 - Ch. 3.2. Studies of dynamics of nonmagnetic crystals. 1. General problems. Noncoherent diffusion--352
 - Ch. 3.3. Studies of the dynamics of nonmagnetic crystals. 2. Coherent diffusion--377
 - Ch. 3.4. Studies of the dynamics of hydrogenous crystals--405
 - Ch. 3.5. Studies of the dynamics of liquids--423
 - Ch. 3.6. Studies of the dynamics of liquid helium--448
 - Ch. 3.7. Magnetic neutron-diffraction study--454

Card 2/3

UDC:539.125.5

ACC NR: AM6010601

Sec. II. Some problems of the theory of diffusion of slow neutrons

Part IV. Diffusion of slow neutrons in chemically bound nuclei

Ch. 4.1. Diffusion of neutrons in molecules--471

Ch. 4.2. Diffusion of neutrons in crystals--499

Ch. 4.3. Method of correlative functions of Van Hove--530

Part V. Diffusion of slow neutrons in magnetic crystals

Ch. 5.1. Magnetic diffusion of nonpolarized--553

Ch. 5.2. Diffusion of polarized neutrons--569

Supplement - Short summary of the works on the theory of diffusion of slow neutrons

-584

Bibliography--593

SUB CODE: 20 / SUBM DATE: 06Nov65/ ORIG REF: 124/ OTH REF: 513

Card 3/3

TARASOV, L.V.

Experimental determination of the thermal oscillation spectrum in
crystals of arbitrary symmetry with the aid of incoherent monophononic
scattering of cold neutrons. Fis.tver.tela 3 no.5:1431-1435 My '61.
(MIRA 14:6)

(Crystals--Electric properties) (Neutrons--Scattering)

L 26605-66 EWT(1)

ACC NR: AP6010427

SOURCE CODE: UR/0020/66/167/002/0330/0333

AUTHOR: Tarasova, L. V.

48
B

ORG: none

TITLE: Desorption mechanism of electric breakdown in high vacuum

SOURCE: AN SSSR. Doklady, v. 167, no. 2, 1966, 330-333

TOPIC TAGS: dielectric breakdown, high vacuum, desorption, gas adsorption, gas discharge, vacuum research

ABSTRACT: The author describes a breakdown mechanism according to which the electrodes and the walls of the vacuum chamber become coated in commercial vacuum (10^{-4} -- 10^{-7} Torr) with polymolecular layers of adsorbed substances. When a high voltage pulse is applied, considerable desorption takes place. The gas is released both in the form of neutral molecules and in the form of ions. The voltage drop across the layer of the released substances increases with the propagation of the desorbed medium in the interelectrode space, until conditions

Card

1/2

UDC: 537.525

2

L 26605-66

ACC NR: AP6010427

for gas-discharge ignition are produced. The ignition voltage corresponds to the Paschen curve. The discharge causes further desorption and melting and evaporation of the electrode metal, an increase in the current, and closing of the vacuum gap. The various experimental data presently available on vacuum breakdown are examined from the point of view of this mechanism, as well as from the point of view of other hypothetical breakdown mechanisms (detachment of polyatomic charged particles from the electrodes, field emission from rough spots on the cathode, exchange mechanism, breakdown of dielectric inclusions on the cathodes). It is shown that the desorption mechanism exists under conditions of pulsed voltages

(10^{-2} -- 10^{-7} sec) under the conditions of technical vacuum. This report was presented by Academician Yu. B. Khariton 31 December 1965. Orig. art. has: 1 table.

SUB CODE: 20/ SUBM DATE: 15Dec65/ ORIG REF: 011/ OTH REF: 011

Card

2/2

BLG

KAPLUNOV, R.P., dotsent; TARASOV, L.Ya., gornyy inzhener

Increasing the efficiency of mining methods. Gor. zhur. 122
no.1:5-10 Ja '48. (MLRA 8:9)
(Mining engineering)

TARASOV, L. YA.

... (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 1955 and 1956. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 5 Apr 1956)

<u>Name</u>	<u>Title of Work</u>	<u>Submitted to</u>
Agoshkov, M.I.	"Textbook of Mining" (two books)	Metallurgizdat
Alyamskiy, A.M.		
Voronin, V.N.		
Gorodetskiy, P.I.		
Kaplunov, R.P.		
Matveyev, M.A.		
Polyskov, N.N.		
<u>Tarasov, L.Ya.</u>		
Seledkov, Yu.V.		

SO: W-30604, 7 July 1956

TARASOV, L.Ya; PARTSEVSKIY, V.N., redaktor; VAYNSHTEYN, Ye.B., tekhnicheskii redaktor.

[Constructor of mine supports] Krepil'shchik. Moskva, Gos.nauchn.-tekhn. izd-vo lit-ry po cherno i tsvetnoi metallurgii, 1954.
304 p. (MLRA 7:11)
(Mine timbering)

TARASOV, L.Ya. (Review)

NEDIN, Valentin Vasil'yevich; TARASOV, L.Ya., retsenzent; IL'YENKO, V.G.,
redaktor; KOVSHULYA, F.A., redaktor; SHUSTOVA, V.M., redaktor;
EVENSON, I.M., tekhnicheskij redaktor

[Dust control in Krivoi Rog Basin mines] Bor'ba s pyl'iu na rudnikakh
Krivorozhskogo basseina. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry
po chernoi i tsvetnoi metallurgii, 1954. 256 p. (MIRA 8:4)
(Krivoi Rog--Mine dusts)

TARASOV, L.Ya.

AGOSHKOV, Mikhail Ivanovich; SHEVYAKOV, L.D., akademik, retsenzent;
BOGOLYUBOV, B.P., professor, retsenzent; KAPLUNOV, R.P., professor,
retsenzent; SAVOSTIN, G.A., retsenzent; PASHKOV, P.S., retsenzent;
REBUKHA, V.I., retsenzent; SEMEVSKIY, V.N., dotsent, kandidat tekhnicheskikh nauk, retsenzent; TARASOV, L.Y., redaktor; SHUSTOVA, V.M., redaktor; MIKHAYLOVA, V.V., tekhnicheskiy redaktor

[The mining of ore deposits] Razrabotka rudnykh mestorozhdenii. 3-e, ispr. i dop. izd. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po cherno i tsvetnoi metallurgii, 1954. 616 p. [Microfilm] (MLRA 8:4)

1. Chlen-korrespondent Akademii nauk SSSR (for Agoshkov)
(Mines and mineral resources)

TARASOV, L.Ya.

KAPLUNOV, Rodion Pavlovich, professor, doktor; PROKOP'YEV, Yevgeniy Petrovich, professor, doktor; STARIKOV, Nikolay Antonovich, professor, doktor; BRICHKIN, Aleksandr Vasil'yevich, professor, doktor; MALAKHOV, G.M., professor, doktor, retsenzent; STESHENKO, A.I., retsenzent; HEDIN, V.V., professor, doktor, retsenzent; MARTYNOV, V.K., kandidat tekhnicheskikh nauk, retsenzent; ARSENT'YEV, A.I., kandidat tekhnicheskikh nauk, retsenzent; KULIKOV, V.V., kandidat tekhnicheskikh nauk, retsenzent; DEMIN, N.S., doktor tekhnicheskikh nauk, retsenzent; TARASOV, L.Ya., redaktor; PARTSEVSKIY, V.N., redaktor; BEKKER, O.G., tekhnicheskii redaktor

[Underground workings of ores and deposits] Podzemnaya razrabotka rudnykh i rossypnykh mestorozhdenii. Moskva, Gos.nauchno-tekhn. izd-vo lit-fy po chernoi i tsvetnoi metallurgii, 1955. 680 p.
(Mining engineering) (MLBA 9:3)

BUCHNEV, Valerian Konstantinovich; TARASOV, L.Ya., redaktor; GRISHAYENKO, M.I.; NADINSKAYA, A.A., ~~tekhnicheskij~~ redaktor.

[Boring and blasting; drilling blast holes and oil wells] Buro-
vzryvnye raboty; burenie shpurov i skvazhin. Izd. 2-oe, perer i
dop. Moskva, Ugletekhizdat, 1955. 479 p. (MLRA 8:12)
(Blasting) (Boring)

SHILOV, Nikolay Vasil'yevich; IL'YASHENKO, Nikolay Antonovich; UDALKIN,
Mikhail Borisovich; TARASOV, L.Ya., redaktor; PARTSMVSKIY, V.N.,
redaktor izdatel'stva; ~~PIKOV, N.S.~~, tekhnicheskiy redaktor

[Advanced methods of sinking mine shafts] Peredovye metody prokhodki
stvolov shakht. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po
cherno i tsvetnoi metallurgii, 1956. 459 p. (MIRA 10:1)
(Shaft sinking)

TARASOV, I. YA.

ZHIVOV, Lev Grigor'yevich; GUSAROVA, Valentina Petrovna; GLADILIN, L.V., doktor tekhnicheskikh nauk, retsenzent; MARTYNOV, G.P., inzhener, retsenzent; TRIFONOV, Yu.F., inzhener, retsenzent; ~~TARASOV, I. Ya.~~ redaktor; SMOLDYREV, A.Ye., redaktor izdatel'stva; VAYNSHTEYN, Ye.B., tekhnicheskii redaktor

[Remote control and automation of scraper loader hoists] Distantionnoe i avtomaticheskoe upravlenie skrepernymi lebedkami. Moskva, Gos. nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1957. 222 p. (MIRA 10:9)

(Automatic control) (Excavating machinery)

TARASOV, Leonid Yakovlevich; POKROVSKIY, N.M., professor, doktor
tekhnicheskikh nauk, retsenzent; SELEDKOV, Yu.V. gornyy inzhener,
retsenzent; YAKHOFFOV, A.D., redaktor; SHUSTOVA, B.M., redaktor
izdatel'stva; KARASEV, A.I., tekhnicheskiiy redaktor

[Mine excavation and timbering; a textbook for schools and
courses for experts] Provedenie i kreplenie gornykh vyrabotok;
uchebnoe posobie dlia shkol i kursov masterov. Moskva,
Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi
metallurgii, 1957. 516 p. (MLRA 10:5)
(Mining engineering)

TARASOV, LEONID YAKOVLEVICH

PHASE I BOOK EXPLOITATION 748

Seledkov, Yuriy Vasil'yevich, Lunevskiy, Petr Dimitriyevich, Tarasov, Leonid Yakovlevich

Sistemy podzemnoy razrabotki rudnykh mestorozhdeniy tsvetnykh, redkikh metallov i zolota (Systems of Underground Development of Deposits of Nonferrous Metals, Rare Metals, and Gold) Moscow, Metallurgizdat, 1958. 407 p. 4,300 copies printed.

Reviewers: Agoshkov, M. I., Corresponding Member, U.S.S.R. Academy of Sciences and Bunin, A. I., Mining Engineer; Ed.: Bunin, A. I., Ed. of Publishing House: Partsevskiy, V. N.; Tech. Ed.: Mikhaylova, V. V.

PURPOSE: The authors recommend this book for engineering and managerial personnel in various branches of nonferrous metallurgy. The book may also be useful to engineers, designers, and students in mining and technical schools.

COVERAGE: This book deals with the mining of nonferrous metals within the scope of the Sixth Five Year Plan. Various underground mining methods used in the USSR are described and compared to similar methods used abroad. The suitability of each mining method is discussed with a specific example giving the shape, attitude, and size of the ore body to be mined, and also the nature

Card 1/8

Systems of Underground Development (Cont.) 748

of the host rock and other lithologic conditions. There are numerous illustrations and diagrams showing mine lay-out, mining methods, timbering, drilling, and underground equipment used in the USSR. The authors acknowledge the assistance of M.I. Agoshkov, Corresponding Member of the Academy of Science, USSR, and A.I. Banin, Mining Engineer. There are 31 Soviet references.

TABLE OF CONTENTS:

Introduction	7
Ch. I. General Information on Underground Mining Methods	9
1. Classification of methods for underground mining of ore deposits	9
2. Development of methods for underground mining of ore deposits	9
3. Basic factors determining the choice of mining methods	12
Ch. II. Mining Methods	17
1. Mining by means of shallow blast holes	19
2. Mining by drilling with jointed drill rods	21
3. Mining by the deep blast hole method	26
4. Drilling methods	27
5. Drilling blast holes with pneumatic jack hammers	27

Card 2/8

Systems of Underground Development (Cont.)	748
6. Drilling blast holes with jack hammers working in the drill hole (drillmobiles)	32
7. Drilling blast holes with cable rigs	43
8. Drilling blast holes with rotary rigs	43
9. Drilling blast holes with a shot drill	48
10. Drilling blast holes with hard-alloy bits	51
11. New drilling methods	51
Ch. III. Hauling Ore	53
1. Removing ore by gravitation	54
2. Removing ore with drag-scrappers (slushers)	61
3. Removal by conveyor	66
4. Loading ore in mucking operations	..
Ch. IV. Secondary Crushing of Ore	70
1. Breaking up ore during removal	72
2. Crushing ore after removal	
Card 3/8	

Systems of Underground Development (Cont.) 748

Ch. V. Stopping

1. General information	80
2. Mining with complete removal of ore	80
3. Room-and-pillar method	92
1. Variations of this method used in Soviet mines	92
2. Variations of stopping methods used abroad	110
3. Future developments of this method	117
4. Overhand stopping with stulls	119
1. General information	119
A. Mining of steeply dipping ore bodies	119
B. Mining of ore bodies with shallow dip	129
5. Mining by block caving	139
1. General information	139
A. Variations of the system with shallow blast holes	141
B. Variations of the system with long drill holes	147
2. Future developments of this method	166

Ch. VI. Mining by Shrinkage Stopping

1. General information	167
Mining low-grade ore deposits	168
2. Variations of the block-caving method	168
3. Variations of the short block-caving method	193

Card 4/8

Systems of Underground Development (Cont.)	748	
4. Variations of mining methods with continuous shrinking		200
5. Variations of the shrinkage method with timbering		207
6. Various methods used in foreign mines		226
1. Basic developments in mining of vein deposits		229
2. Mining of large ore deposits		229
7. Various methods of mining along the strike		237
8. Variations of the stoping methods across the strike		237
Ch. VII. Mining by Filling the Stope		243
1. General information		243
2. Variations of breast stoping with filling		243
1. With drifting along the strike		252
2. With drifting across the strike (cross-cutting)		260
3. Variations of a mining method for dipping beds with filling		265
4. Long wall mining with fill		266
5. The use of mining methods with fill in foreign mines		
6. Evaluation of mining methods with fill and future developments of this method		274

Card 5/8

Systems of Underground Development (Cont.)	748
Ch. VIII. Mining Methods With Timbering and Filling	
1. General information	276
2. Various methods of using reinforced stulls	276
3. Various methods of timbering	289
4. Evaluation of mining with timbering and future developments	293
Ch. IX. Mining Methods With Timbering and Filling of the Mined-out Space	
1. General information	295
2. Variations of this method	296
3. Mining with timbering and filling in foreign mines	306
Ch. X. Mining of Narrow and Closely Spaced Veins	
1. Mining of thin vein deposits	307
1. Steeply dipping veins	307
2. Gently dipping veins	321
2. Mining of closely spaced veins	322
3. Basic developments in mining of vein deposits	331

Card 6/8

Systems of Underground Development (Cont.) 748

Ch. XI. Mining Level-pillars

- | | |
|--|-----|
| 1. General information | 333 |
| 2. Variation of this method: gophering | 333 |
| 3. Variation of this method: mining by benches | 334 |
| 4. Variation of this method: fan drilling | 340 |

Ch. XII. Top Slicing

- | | |
|---|------|
| 1. General information | 345. |
| 2. Variation of this method: gophering | 345. |
| 3. Variation of this method: top slicing | 351 |
| 4. Variation of this method: mining of small steeply dipping ore bodies | 360 |
| 5. Pillars mined by top slicing | 363 |
| 6. New developments of caving methods | 374. |

Ch. XIII. Sub Level Caving

- | | |
|---|-----|
| 1. General information | 375 |
| 2. Variations of the sub level caving methods | 376 |
| 3. Application of the sub level caving method in mining of pillar and panel slicing | 383 |
| 4. Ways of improving this method | 385 |

Card 7/8

Systems of Underground Development (Cont.)	748
Ch. XIV. Caving	
1. General information	386
2. Variations of this method	386
3. Ways of improving the caving method	393.
Ch. XV. Forced Caving	
1. General information	394
2. Variations of this method	395
3. Future possibilities of forced caving	404
Bibliography	406

AVAILABLE: Library of Congress

Card 8/8

GO/mas
10-24-58

TARASOV, L.Ya.

SHARIPOV, Vakhit Sharipovich, kand.tekhn.nauk; KUNTUKOV, Yuriy Grigor'yevich, inzh.; MUZGIN, Sergey Spiridonovich, kand.tekhn.nauk; TKACHENKO, Artem Mikhaylovich; TRET'YAKOV, Aleksey Mikhaylovich, inzh.; SHCHERBAK, Georgiy Sergeyevich, inzh.; TARASOV, L.Ya., red.; PARTSEVSKIY, V.M., red.isd-va; ATTOPOVICH, M.K., tekhn.red.

[Hole drilling equipment] Karetki i agregaty dlia burenia shpurov. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1959. 134 p. (MIRA 12:4)

1. Institut gornogo dela AN KazSSR (for all except Tarasov, Partsevskiy, Attapovich).

(Boring machinery)

ZDOROV, V.M.; PAVLOVSKIY, L.G.; TARASOV, L.Ya., otv. red.; DONTSOVA,
S.A., red.; POLYAKOV, M.G., tekh. red.

[Electric cap and fuse blasting] Elektroognevoi sposob vzryva-
niia. Moskva, Otdel tekhn.informatsii, 1959. 60 p.

(MIRA 15:7)

(Blasting)

TARASOV, Leonid Yakovlevich; SIPYAGINA, Z.A., red.izd-va; PROZOROVSKIY,
Ye.G., tekhn. red.

[Timberer in underground mining] Krepil'shchik pri podzemnoi do-
byche rudy. Izd.3., perer. i dop. Moskva, Gos.nauchno-tekhn. izd-vo
lit-ry po gornomu delu, 1961. 259 p. (MIRA 14:11)
(Mine timbering)

TARASOV, L. Ya

13

PHASE I BOOK EXPLOITATION

SOV/5474

Terpigorev, A. M., Academician [deceased], Chairman of the Editorial Board, R. P. Kaplunov, Professor, Doctor of Technical Sciences, Deputy Chairman of the Editorial Board, Ye. F. Moskal'kov, Mining Engineer, V. V. Nedin, Professor, Doctor of Technical Sciences, Yu. V. Seledkov, Mining Engineer, O. O. Sosedov, Mining Engineer, and L. Ya. Tarasov, Mining Engineer.

Spravochnik po gornorudnomu delu. t. 2: Podzemnyye raboty (Ore-Mining Industry Handbook. v. 2: Underground Operations) Moscow, Gosgortekhnizdat, 1961. 855 p. Errata slip inserted. 12,000 copies printed.

Scientific Eds. (Titlepage): A. M. Terpigorev, Academician, and R. P. Kaplunov, Professor, Doctor of Technical Sciences; Resp. Ed.; L. Ya. Tarasov; Eds. of Publishing House: M. M. Smirenskiy, and V. N. Partsevskiy; Tech. Ed.: V. L. Prozorovskaya, and M. A. Kondrat'yeva.

Card 1/18

Ore-Mining Industry (Cont.)

SOV/6474

PURPOSE: This handbook is intended for mining engineers and skilled personnel of the mining industry.

COVERAGE: Volume II of the handbook reviews various methods of underground mining and analyzes the basic principles underlying different types of ore mining operations. Parts I, VI, IX XI, and XV of this volume were written by L. Ya. Tarasov, Mining Engineer. L. Ye. Egel', Geological Engineer, also participated in writing Part I. Part II was written by A. M. Bybochkin, Candidate of Geological and Mining Sciences; Part III by D. N. Ogloblin, Professor, Doctor of Technical Sciences, and M. G. Papazov, Candidate of Technical Sciences; Parts IV, V, and X were written by R. P. Kaplunov, Professor, Doctor of Technical Sciences; Part VII by V. V. Nedin, Professor, Doctor of Technical Sciences, and by Sh. I. Ibrayev, Docent, Candidate of Technical Sciences; Part VIII by N. N. Polyakov, Docent, Candidate of Technical Sciences (deceased) and by M. B. Udalkin, Mining Engineer; Part IX by A. M. Alyamskiy, Docent, Candidate

Card 2/18

Ore-Mining Industry (Cont.)

SOV/5474

of Technical Sciences (deceased); Part XII by G. M. Malakhov, Professor, Doctor of Technical Sciences; and Part XIV by V. N. Voronin, Doctor of Technical Sciences (deceased), and L. D. Voronina, Candidate of Technical Sciences. No personalities are mentioned. Each part of the handbook is accompanied by references, all Soviet.

TABLE OF CONTENTS [Abridged] :

Foreword	4
PART I. INFORMATION ON MINING GEOLOGY	
Ch. I. Basic Information on Geology and Mineralogy	5
Ch. II. Crude Ores and Minerals	8
Ch. III. Classification of Mineral Resources and of Mining Operations	40
Card 1/18	

Ore-Mining Industry (Cont.)	SOV/5474
Ch. IV. Characteristics of Rocks	43
Bibliography	52
PART II. SAMPLING	
Ch. I. Purpose and Types of Sampling Operations	54
Ch. II. Sampling Methods	55
Ch. III. Sampling in Mine Workings and Boreholes	59
Ch. IV. Sampling of Broken Ores and Rocks	61
Ch. V. Preparation of Samples for Chemical Analysis	64

~~Card 4/18~~

Ore-Mining Industry (Cont.)

SOV/5474

Ch. II. Magnitude of Deposit Reserves as Related to the Degree of Preparedness for Production	178
Bibliography	181

PART VI. DRILLING

Ch. I. General Information	182
Ch. II. Churn Drilling	189
Ch. III. Rotary Percussive Drilling	233
Ch. IV. Tools Used in Perforation Drilling	248
Ch. V. Rotary Drilling	267
Card-8/18	

Ore-Mining Industry (Cont.)	SOV/5474	
Ch. VI. Selection of Drilling Methods, Marking of Boreholes, and Elimination of Breakdowns		288
Ch. VII. New Drilling Methods		295
PART VII. ROCK-BLASTING OPERATIONS		
Ch. I. Concise Information on the Theory of Rock-Blasting and on Explosives		300
Ch. II. Explosives		303
Ch. III. Blasting Accessories		309
Ch. IV. Testing and Destroying of Explosives		313
Ch. V. Concise Information on Storage and Transportation at Mines		315
<u>Card 9/18</u>		

Ore-Mining Industry (Cont.)

SOV/5474

PART IX. SUPPORT OF MINE WORKINGS

Ch. I. Information on Rock Pressure and Physicomechanical Properties of Rocks	461
Ch. II. Material for Mine Support	470
Ch. III. Support of Horizontal Workings	485
Ch. IV. Support of Vertical Mine Shafts	522
Bibliography	530

PART X. BREAKING OF ORE AT STOPES

Ch. I. Breaking of Ore With the Use of Blast-Holes	532
--	-----

Card 12/18

Ore-Mining Industry (Cont.)	SOV/5474
Ch. II. Breaking of Ore With the Use of Drill-Holes	538
Ch. III. Breaking of Ore by Torpedos	551
Ch. IV. Secondary Fragmentation of Ore	555
PART XI. LOADING AND DELIVERY	
Ch. I. Loading	563
Ch. II. Delivery	581
Ch. III. Chute-Type Loading, Chuteless Discharge, and Main Ore Chutes	629
Bibliography	643
Card-13/18	

Ore-Mining Industry (Cont.)	SOV/5474	
Bibliography		809
PART XV. DUST PREVENTION		
Ch. I. Mine Dust and Diseases Caused by It		810
Ch. II. Preventive Measures for Combatting Dust in Mines		814
Ch. III. Dust Prevention in Drilling Operations		815
Ch. IV. Dust Prevention in Rock-Blasting and Loading and Unloading Operations		825
Ch. V. Suppressing of Settled Dust and Dust Caused by Mechanical Fragmentation of Ore		829
Ch. VI. Industrial Water		832
Card 17/18		

Ore-Mining Industry (Cont.)	SOV/5474
Ch. VII. Ventilation of Workings and Purification of Dusty Air	837
Ch. VIII. Individual Protection Against Dust	841
Ch. IX. Organization of Dust Collection Service and Medical Health Protection Measures at Mines	842
Ch. X. Inspection of Air Dustiness in Mines	843
Bibliography	846
AVAILABLE: Library of Congress	

Card-18/18

VK/dwm/bc
9-27-61

BORISENKO, Sergey Grigor'yevich; TARASOV, Leonid Yakovlevich;
KOVALEV, Igor' Antoninovich; PROTOPOPOV, Sergey Filippovich;
DZHIMSHELEYSHVILI, Sh.P., otv. red.; YEROKHIN, G.M., red.
izd-va; OVSEYENKO, V.G., tekhn.red.

[Raise work] Prokhodka vosstaiushchikh. Moskva, Gos-
gortekhnizdat, 1962. 271 p. (MIRA 15:11)
(Mining engineering).

IVANOV, Konstantin Ivanovich; USHKOV, Nikolay Nikolayevich; YARMAK
Mikhail Fedorovich, GOYEV, Vadim Nikitich; TARASOV, L.Ya.,
otv. red.; PARTSEVSKIY, V.N., red.izd-va; SABITOV, A.,
takhn. red.

[Boring holes in underground mining of ores] Burenie shpurov
i skvashin pri podzemnoi dobyche rud. Moskva, Gosgortekh-
izdat, 1963. 130 p. (MIRA 16:9)

. (Boring)

KRISTIN, Karl Adol'fovich, kand. tekhn. nauk; SHKITOV, Konstantin
Sergeyevich, gorany inzh.; TARASOV, L.Ya., otv. red.;
YEROKHIN, G.M., red. izd-va; LOMILINA, L.N., tekhn. red.

[Improvement of working systems in mines] Sovershenstvovanie
sistem razrabotki na rudnikakh. Moskva, Gosgortekhzdat,
1963. 206 p. (MIRA 16:5)
(Gornaya Shoriya--Mining engineering)

TARAN, Pavel Nikiforovich; TARASOV, L.Ya., otv. red.; YEROKHIN,
G.M., red.izd-va; LAVRENT'YEVA, L.G., tekhn. red.;
IL'INSKAYA, G.M., tekhn. red.

[Practice of opening up and developing horizons in working
ore deposits] Opyt vskrytiia i podgotovki gorizontov pri
razrabotke rudnykh mestorozhdenii. Moskva, Gosgortekhzdat,
1963. 50 p. (MIRA 16:5)
(Krivoy Rog Basin--Mining engineering)

LEONENKO, I.A., prof., red.; SHELEST, L.A., kand. tekhn. nauk,
red.; BUNIN, A.I., retsenzent; BURSHTeyN, P.S.,
retsenzent; KAPITANOV, T.V., retsenzent; KUZ'MIN, A.V.,
retsenzent; TARASOV, L.Ya., otv. red.; KOVALEV, I.A.,
otv. red.

[Development of mineral resources in Eastern Siberia] Raz-
rabotka mestorozhdenii poleznykh iskopaemykh Vostochnoi
Sibiri. Moskva, Nedra, 1964. 382 p. (MIRA 17:12)

PANIN, Ivan Mikhaylovich; KOVALEV, Igor' Antoninovich; POPOV, G.N.,
prof., doktor tekhn. nauk, retsenzent; CHEREMUSHENTSEV,
I.A., prof., doktor tekhn. nauk, retsenzent; LOBANOV, D.P.,
dots., kand. tekhn. nauk, retsenzent; STEBAKOV, B.A., gorn.
inzh., retsenzent; TARASOV, L.Ya., prof., gornyy inzh.,
otv. red.

[Problems on the underground mining of ore deposits] Zadach-
nik po podzemnoi razrabotke rudnykh mestorozhdenii. Moskva,
Nedra, 1964. 211 p. (MIRA 18:2)

TARASOV, Leonid Yakovlevich; PARTSEVSKIY, V.N., otv. red.

[Mining engineering] Gornoe delo. Moskva, Nedra, 1965.
214 p. (MIRA 18:8)

27-58-7-4/27

AUTHOR: Tarasov, M., Head of the Cabinet of General Technology of Metals

TITLE: Laboratory Work in the General Metal Technology Line
(Laboratornyye raboty po obshchey tekhnologii metallov)

PERIODICAL: Professional'no-tekhnicheskoye obrazovaniye, 1958, Nr 7,
pp 7-9 (USSR)

ABSTRACT: Instruction in the field of general technology of metals is of special importance in the training of young metal workers. It can only be successful if theoretical teaching is supplemented by practical laboratory work, covering the following subjects: the mechanical properties of metals and alloys, details about thermal processing, casting, etc. At the same time, students learn how to handle scientific instruments and equipment. A table is shown, containing a list of materials and instruments suitable for laboratory work, along with scientific subjects to be treated. A microscope equipped with an ON-1 type illuminator and a MFN-1 camera for taking microphotographs (Figures 1-3) is recommended as especially suitable for investigating metals.

Card 1/2 There are 2 drawings, 1 diagram, and 1 table.

Laboratory Work in the General Metal Technology Line

27-58-7-4/27

ASSOCIATION: Voronezhskoye tekhnicheskoye uchilishche Nr 2 (Voronezh
Technical School Nr 2)

1. Metallurgy--USSR 2. Personnel--Training

Card 2/2

TARASOV, Mikhail Aleksandrovich

N/5
756.114
.T1

OCHERKI TRANSPORTNOGO PRAVA (OUTLINES OF TRANSPORTATION LAWS) MOSKVA,
RECHIZDAT, 1951. 161.p. BIBLIOGRAPHICAL FOOTNOTES.

Tarasov M.F.

TARASOV, M.F.

~~Experience in housing constructing in Krasnodar Territory.~~

18 no.1:2-3 Ja '58.

(MIRA 11:1)

1. Nachal'nik Krasnodarskogo krayevogo upravleniya svyazi.
(Krasnodar Territory--Apartment houses)

SOKOLOV, B.A., kand. tekhn. nauk; TARASOV, M.F., inzh.

Distribution of pressure waves and air discharge in the main
pipeline of pneumatic systems used in railroad rolling stock.
Trudy TSNII MPS no.163:195-214 '58. (MIRA 12:2)
(Railroads--Brakes) (Air pipes)

AUTHOR: Tarasov, M.F., Chief SOV/211-66-12-19/86

TITLE: ~~_____~~ The Work Contribution of the Krasnodar Communication Workers
(Trudovoy vklad Krasnodarskikh svyazistov)

PERIODICAL: Vestnik svyazi, 1958, ^{18.} Nr 12, p 17 (USSR)

ABSTRACT: The author tells of the efforts of the Krasnodar communication workers who are engaged in socialist competition in honour of the XXI Congress of the USSR Communist Party.

ASSOCIATION: Krasnodarskoye kravevoye upravleniye svyazi (Krasnodar Kray Communications Office)

Card 1/1

SOV/111-59-5-9/32

6(4)

AUTHORS: Tarasov, M.F., Chief, Zinger, M.Ya. / Chief of SMUR

TITLE: Experience in Wire Broadcasting in the Krasnodarskiy Kray

PERIODICAL: Vestnik svyazi, 1959, Nr 5, pp 9 - 11 (USSR)

ABSTRACT: During 1958, more than 27,000 wire broadcast receivers were installed in the Krasnodarskiy Kray. The SMUR performed the installation of wire broadcast networks at kolkhozes, whereby the latter provided the funds. Contracts for installing the wire broadcast networks were made directly between the kolkhozes and the SMUR. Previously, such contracts were concluded between kolkhozes and district post offices, but it proved to be more expedient to eliminate the latter from the contract. Thus, the district post offices only assist in drawing up the contracts, perform the accounting and registration, control the progress of the work and participate in the acceptance inspections.

Card 1/3

SOV/111-59-5-9/32

Experience in Wire Broadcasting in the Krasnodarskiy Kray.

Since wood is rare in the Krasnodarskiy kray, extensive use of underground cables is made. Chiefly, cables of type PRVPM are used, however, the latter is not available in adequate quantities. TRVK cable is used for branch lines to buildings, thereby saving 12-15% in PRVRM cable. Existing power lines are used as far as possible for suspending the wire broadcast lines. The success of the plan for installing wire broadcast receivers is explained by the fact that work is performed throughout the year. Cable laying is difficult during muddy periods, and sometimes two or three tractors must be used for pulling the cable laying machine. Cable layers "KUN-2" are used. The SMUR has organized work teams in the larger towns of Krasnodar, Sochi, Armavir and Novorossiysk for installing radio and telephone connections in new apartment buildings and industrial installations. In Krasnodar, there are

Card 2/3

SOV/111-59-5-9/32

Experience in Wire Broadcasting in the Krasnodarskiy Kray.

four teams (10 workers each) engaged in the reconstruction of city wire broadcasting networks (according to plans of Giprosvyaz'). In spite of the success achieved in installing wire broadcast networks, there are several districts which are lagging behind, for example Adler, the Adygeyskaya avtonomnaya oblast', Belorechenskiy, Tul'skiy and other districts. There are 4 photographs.

ASSOCIATION: Krasnodarskoye krayevoye upravleniye svyazi
Krasnodarskiy Kray Communications Directorate) (Tarasov, M.F.);
SMUR (Zinger, M.Ya).

Card 3/3

TARASOV, M.F.; ZINGER, M.Ya.

Recently established organs of the party and soviet government should be provided with reliable communication systems.
Vest. svyazi 23 no.6:24-25 Je '63. (MIRA 16:8)

1. Nachal'nik Krasnodarskogo krayevogo upravleniya svyazi (for Tarasov).
2. Nachal'nik Stroitel'no-montazhnogo upravleniya radiofikatsii (for Zinger).

TARASOV, M.M.

KALINOVSKAYA, Ye.N., kandidat meditsinskikh nauk; PETROV, B.A., professor, direktor;
TARASOV, M.M., zasluzhenny vrach, direktor.

Intraosseous transfusion of blood and of medicinal liquids. Sov.med. 17
no.9:25-26 S '53. (MLBA 6:9)

1. 2-ya khirurgicheskaya klinika Instituta im. Sklifosovskogo (for Petrov
and Kalinovskaya). 2. Institut im. Sklifosovskogo (for Tarasov).
(Blood--Transfusion) (Injections) (Anemias)

TARASOV, M. [M.]

First aid in case of accidents. Sov.kras.krest 4 no.1:23-24 Ja-Mr '54.
(MLRA 7:4)

1. Zasluzhennyy vrach respubliky, direktor Instituta imeni Sklifosovskogo.
(First aid in illness and injury)

Sovetskij Krasnyy Krest

TARASOV, M.M., zaslužhenny vrach USSR

Mikhail Sergeyevich Aleksandrov; on his 70th birthday. Sov.med. 20
8:83-84 Ag '56. (MLRA 9:10)

(ALEKSANDROV, MIKHAIL SERGEYEVICH, 1886-)

TARASOV, M. M.

TARASOV, M.M., zaslužheñny vrach RSFSR (Moskva)

Professor D.A. Arapov's 60th birthday. Vest.khir. 79 no.8:145-146
Ag '57. (MIRA 10:10)

(АРАПОВ, ДМИТРИИ АЛЕКСЕВИЧ, 1897-)

VLADIMIROVICH, Georgiy Arsen'yevich; TARASOV, Mikhail Mikhaylovich

[Sklifosovskii Institute] Institut imeni Sklifosovskogo.
Moskva, Medgiz, 1959. 98 p. (MIRA 13:11)
(MOSCOW--FIRST AID IN ILLNESS AND INJURY)

YUDIN, S.S., prof.; GOLIKOVA, M.P.; ARAPOV, D.A., prof. red.; DAVYDOVSKIY, I.V., red.;
MEL'NIKOV, A.V., red. [deceased]; PRIOROV, N.N., red.; ROZANOV, B.S.,
red.; TARASOV, M.M., red.; OSTROVSKAYA, L.S., red.; BEL'CHIKOVA, Yu.S.,
tekhn. red.

[Selected works; problems in military field surgery and the transfusion
of cadaveric blood] Izbrannye proizvedeniia; voprosy voennó-polovoy
khirurgii i perelivanie posmertnoi krovi. Moskva, Medgiz, 1960. 553 p.
(MIRA 15:1)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Arapov).
(SURGERY, MILITARY) (BLOOD—TRANSFUSION)

TARASOV, M.M., zasluzhenny vrach USSR (Moskva); VLADIMIROVICH, G.A.,
zasluzhenny vrach RSFSR

Hundred and fiftieth anniversary of the Sheremetev Hospital,
now the Sklifosovskii Institute. Klin.med. 39 no.4:3-10 '61.

(MIRA 14:4)

(MOSCOW--HOSPITALS)

YUDIN, Sergey Sergeevich, prof.[deceased]; GOLIKOVA, M.P.; ARAPOV
D.A., prof., red.; DAVYDOVSKIY, I.V., red.; MEL'NIKOV, A.V., red.
[deceased]; PRIOROV, N.N., red.[deceased]; ROZANOV, B.S., red.;
TARASOV, M.M., red.; OSTROVSKAYA, L.S., red.; BEL'CHIKOVA, Yu.S.,
tekh. red.

[Selected works; surgery of peptic ulcer of the stomach and neuro-
humoral regulation of gastric secretions in man] Izbrannye proizvede-
niia; khirurgiia iazvennoi bolezni zheludka i neuro-gumoral'naia regu-
liatsiia zheludochnoi sekretsii u cheloveka. Moskva, Medgiz, 1962.
364 p. (MIRA 15:3)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Arapov).
(PEPTIC ULCER) (STOMACH--SECRETIONS) (NEUROCHEMISTRY)
(INTESTINES--OBSTRUCTIONS)

TARASOV, M. M.

3-6-20/29

AUTHOR: Tarasov, M. M., Dotsent, Candidate of Economic Sciences

TITLE: New Forms of Instruction at Financial Vuzes (Novyye formy uchebnykh zanyatiy v finansovom vuze)

PERIODICAL: Vestnik Vysshey Shkoly, 1957, # 6, pp 72 - 73 (USSR)

ABSTRACT: To widen the teaching process and bring it into contact with banking practice, the Chair for Credit Matters of the Moscow Financial Institut (Kafedra kreditnogo dela Moskovskogo finansovogo instituta) has developed a number of measures. Two are described in the article. The first deals with instruction at the State Bank and the other with training at the so called Teaching Bank. At the State Bank the students of the 3rd course of the Credit and Economics Faculty become acquainted with the operations of the various branches and departments. The instruction is carried out by bank officials with the assistance of institute's teachers. The instruction is later continued at the Teaching Bank (in the Chair's training room) which is organizationally similar to the institutions of the State Bank.

Card 1/2

New Forms of Instruction at Financial Vuzes

3-6-20/29

ASSOCIATION: The Moscow Financial Institute (Moskovskiy finansovyy institut)

AVAILABLE: Library of Congress

Card 2/2

SOV/3-58-12-29/43

AUTHOR: Tarasov, M.M., Docent

TITLE: Intervuz Scientific and Methodical Conferences (Mezhvuzovskiye nauchnyye i metodicheskiye konferentsii). The Problems of Teaching Financial Subjects (Voprosy prepodavaniya finansovykh distsiplin)

PERIODICAL: Vestnik vysshey shkoly, 1958, Nr 12, pp 76 - 77 (USSR)

ABSTRACT: Two intervuz conferences, which recently took place at the Moskovskiy finansovyy institut (Moscow Financial Institute), discussed problems of teaching financial and credit subjects as well as the method of instruction in bookkeeping and analysis of managerial activities. A total of 250 vuz instructors, representatives of scientific organizations, USSR Ministry of Finance, State Bank and Sovnarkhozes, participated in the conference. The first conference discussed the reports delivered by Professor A.M. Aleksandrov (Leningradskiy finansovo-ekonomicheskoy institut - Leningrad Financial-Economic Institute) on the "Scientific Fundamentals of Teaching a Course 'Finances of the USSR' "; by the Professors of the Moscow Financial Institute Z.V. Atlas - "The Scientific-Methodical Fundamentals of the Course 'Money Circulation and USSR Credit' "; I.D.

Card 1/3

SOV/3-53-12-29/43

Intervuz Scientific and Methodical Conferences. The Problems of Teaching Financial Subjects

Sher - "Experience Gained in Preparing Diploma Theses", Candidate of Economic Sciences F.N. Veselkov (Moskovskiy gosudarstvennyy ekonomicheskij institut - Moscow State Economics Institute), Professor Usoskin and Docent A.A. Proselkov (Moscow Financial Institute), who also spoke on the graduating theses, practical training, laboratory works and exercises. Concrete suggestions on the teaching of financial and credit subjects were made in the 3 sections of the conference by Professor V.V. Ikonnikov (Moscow State Economics Institute), Docent G.V. Komarov (Rostovskiy finansovo-ekonomicheskij institut - Rostov Financial and Economics Institute), and Docent D.A. Allakhverdyan (Moscow Financial Institute). The sections approved of the practice of the Moscow Financial Institute which conducts its training exercises systematically in the offices of the Gosbank. Lately, the students' practical training was repeatedly carried out at the working places. Docent R.D. Vinokur dealt with this question in his speech. On the methods and themes of course-work, reports were submitted by Docent A.K. Suchkov (Moskovskiy zaachnyy finansovo-ekonomicheskij institut - Moscow Financial-Economic Correspondence Institute) and G.A. Shvarts (Moscow Finance Institute).

Card 2/3

SOV/3-58-12-29/43

Intervuz Scientific and Methodical Conferences. The Problems of Teaching
Financial Subjects

The second conference studied methods of teaching the analyzing of the economic activities of enterprises. The Conference supported the proposal of Docent A.I. Sumtsov and of the Professors M.V. Dmitriyev (Moskovskiy inzhenerno-ekonomicheskiy institut - Moscow Engineering-Economics Institute) and S.K. Tatur (MGU) that it is necessary to elaborate the theory of bookkeeping more thoroughly, basing it on the theses of the political economy of socialism. The reports delivered by the Docents G.P. Yevstigneyev (Moskovskiy ekonomiko-statisticheskiy institut - Moscow Economics-Statistical Institute) and V.I. Isakov (Moskovskiy institut narodnogo khozyaystva imeni Plekhanova - Moscow Institute of National Economy imeni Flekhanov) referred to this question. The conference participants suggested the establishment of a workshop for the study of methods at the Moscow Finance Institute.

Card 3/3

USOSKIN, M.M., prof.; TARASOV, M.M., dotsent, prepod.; INOZEMTSEVA, N.S.,
kand. ekon. nauk, prepod.; VOROB'YEV, S.P., dotsent, prepod.;
MAKAROCHKIN, A.V., dotsent, prepod.; BOROZDIN, B., red.; LEBEDEV, A.,
tekh. red.

[Collection of problems on the issuing of credit, payments, and cur-
rency circulation] Sbornik zadach po kreditovaniu, raschetam i dene-
zhnomu obrashcheniiu. Avtorskii kollektiv po rukovodstvu M.M.Usos-
skina. Moskva, Gosfinizdat, 1961. 206 p. (MIRA 14:10)

1. Moscow. Finansovyy institut. 2. Moskovskiy finansovyy institut
(for Tarasov, Inozemtseva, Vorob'yev, Makarochkin).
(Finance)

TARASOV, Mikhail Mikhaylovich; NOSKO, P.T., otv. red.; BOROZDIN, B.,
red. izd-va; LEEDEV, A., tekhn. red.

[Issuing credit to industries on the basis of turnover]Kre-
ditovanie promyshlennosti po oborotu. Moskva, Gosfinizdat,
1962. 86 p. (MIRA 16:3)

(Credit)

TARASOV, M.N.

USSR

②

Hydrochemical characteristic of the ponds in the arid regions of the Rostov province. N. V. Veselovskii, M. P. Golovkov, and M. N. Tarasov. *Gidrokhim. Materialy* 22, 23-44(1954). Of the 180 ponds sampled in 1949 and 1950, during the months of June to August when the salt content is stationary, 109 belong to the sulfate class. They vary in salt content from 447 to 21,000 mg./l.; 26 ponds belong to the chloride-sulfate class, with 1200 to 21,300 mg./l.; 23 ponds belong to the chloride class, with 1200 to 21,300 mg./l.; 20 ponds belong to the bicarbonate class, with a salt content varying from 184 to 596 mg./l. Some of these ponds vary more than the limits given. Data are given on the chloride, sulfate, carbonate, bicarbonate, Mg, Ca, and Na + K of 13 ponds of the respective classes, as well as the compn. of wells, rivers, and lakes in the province. A map of the province gives the distribution of these different classes of mineralization in the ponds. The salt regime of a no. of ponds sampled in 1951-1953 giving the limits of chloride and sulfate is also presented, as well as that of the chief ions as reported on the waters of other ponds. The O₂, CO₂, oxidation, and biogenic substances are discussed. The waters are classified on the basis of the ions present. 26 references. B.S. Joffe

TARASOV, M.N.

The relation of the relative ion compositions of waters of several ponds to mineralization. M. N. Tarasov (Hydrochem. Inst., Acad. Sci. U.S.S.R., Novocherkassk); *Gidrokhim. Materialy* 22, 70-80 (1954).—In order to evaluate the mineralization of waters in ponds, T. studies the relations: (a) between the content of the prevailing anion C and the sum of mineral substances Z_{μ} , i.e. $Z_{\mu} = f(C)$; (b) between the sum of mineral substances and the relative ionic compn., i.e. % mg.-equiv. = $f(Z_{\mu})$. These relations, established for one of the ponds for a no. of yrs., also hold true for the 50 ponds in the area. By analytical detn. of the SO_4 and with the relations given above, the approx. ionic compn. and total salts in the waters of the ponds can be calcd.

J. S. Joffe

TARASOV, M. N.

The effect of surface and subsoil feeding upon the regime of the main ions of the pond. N. V. Veselovskii and M. N. Tarasov (Hydrochem. Inst., Acad. Sci. U.S.S.R., Novocherkassk). *Gidrokhim. Materialy* 23, 48-61 (1955).
The hydrochem. regime of any pond depends upon the physico-geographic conditions. A study of the regime of the main ions of a pond located in the Sal'sk area of the Rostov territory showed that the main influx consisted of highly mineralized subsoil waters of the sulfate class. Hydrocarbonated waters of low mineral content reached the pond during heavy snow melting and rainfalls. A. S. Mirkin

Chernykh 2

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 3,
p 106 (USSR) 15-1957-3-3176

AUTHOR:

Tarasov, M. N.

TITLE:

Development of the Ionic Composition of the Water in
the Reservoirs of Northeastern Priazov'ye (Azov Region)
(Oformirovani ionnogo sostava vody prudov severo-
vostochnogo Priazov'ya)

PERIODICAL: Gidrokhim. materialy, 1955, vol 25, pp 154-169

ABSTRACT:

The development of the chemical composition of the res-
ervoir waters in northeastern Priazov'ye is affected by
two basic processes: the leaching of salts from the
mantle by the percolation of meteoric waters, and the
mixing of surface and ground waters with those of the
reservoirs. Graphs showing the relations between total
mineralization and the principal ion content are given
for ground waters, flood waters, and reservoir waters,
and also for water extracted from the ground. It was

Card 1/2

Development of the Ionic Composition of the Water in the Reservoirs
of Northeastern Priazov'ye (Azov Region) 15-1957-3-3176

discovered that the high mineralization of reservoir waters
(up to 6 to 8 g/liter) is explained by ground water feeding.

Card 2/2