

GIRIN, O. P.

USSR/Physics - New Techniques Light

Oct 50

"Determining the Duration of the Excited Oscillatory State With the Aid of M. L. Veyngerov's Spectrophone," B. I. Stepanov, O. P. Girin.

"Zhur Eksper i Teoret Fiz" Vol XX, No 10, pp 947-955.

Investigated processes occurring in the chamber of Veyngerov's spectrophone. Determines law governing time variation of temperature during pulsating illumination. Obtain mathematical expression connecting quantities measured experimentally with duration of excited oscillatory state of molecule. Submitted 9 Mar 50.

PA 169T98

GIRIN, O. P.

USSR/Physics - Spectral analysis

Card 1/1 Pub. 43 - 51/62

Authors : Girin, O. P.; Zhidkova, Z. V.; Stepanov, V. I.; Ivanov, A. P.; and
Teporets, A. S.

Title : Determination of the true absorption spectrum of diffusion colored objects
by the spectrum of their diffusion reflection

Periodical : Izv. AN SSSR. Ser. fiz. 18/6, 728-729, Nov-Dec 1954

Abstract : Experimental and theoretical investigations were conducted to determine the
relation between the coefficient of diffusion reflection and the factors
(internal and external) connected with the characteristics of the repulsing
layer and the conditions of illumination. The method employed in measuring
each component individually was based on the different properties of these
components in relation to polarization. Results obtained are listed in
detail.

Institution :

Submitted :

GIRIN O.P.

USSR

35,312

1954. **Reflection spectra of coloured light-scattering systems.** II. D. T. GIRA AND E. I. STRANOV. Zh. Fiz. Khim. 28, No. 4(10), 467-76 (1954) in Russian.

Reviews theoretical work so far available, based mainly on papers of Bodo (Abstr. 8802 (1952)) Gurevich (Trudy OOI (Otdeleniye Opticheskogo Instituta) 6, No. 57 (1951)) and Gerstman (Ibid. 11, No. 59 (1954)). Develops a new, more general, expression for the coefficient of reflection, and explains the limits of applicability of Gurevich's formula (which contains no allowance for the size of particles). At the same time the dependence is studied of reflection spectra on the dimensions of the particles and the properties of the connecting medium. It is shown that the spectrum of diffuse reflection may widely differ from the absorption spectrum of the substance in bulk.

K. LACIMAN

BOBOVICH, Ya.S., GIRIN, O.P., TULUB, T.P.

A possible interpretation of the vibration spectra of simple silicate glasses. Dokl. AN SSSR 105 no.1:61-64 N '55. (MLRA 9:3)

1. Predstavleno akademikom A.N. Tereninym.
(Glass--Spectra)

S/051/63/014/004/005/026
EO39/E420

AUTHORS: Bakhshiyev, N.G., Girin, O.P., Libov, V.S.

TITLE: The relation between the observed and true absorption spectra of molecules in a solid medium. 1. Universal influence of the effective (internal) field

PERIODICAL: Optika i spektroskopiya, v.14, no.4, 1963, 476-483

TEXT: A more precise understanding of the dependence of the experimental values of absorption coefficient $K(\nu)$ on frequency ν is of major importance in spectroscopy. The true absorption spectrum of molecules follows the form calculated from the Einstein coefficient of absorption $B(\nu)$, but when the investigated molecules are in a solid body the observed spectrum $K(\nu)$ and true spectrum $B(\nu)$ can differ in position, intensity and shape of bands. This difference has negligible dependence on the universal effect which is connected with the change in intensity of the light waves acting on the molecules in a dielectric (the effective or internal field) and determines the form of the frequency dependence. A simple theory is constructed which accomplishes the transition from experimental to true spectra by the calculation of a complex tensor parameter of the effective field, which completely determines

Card 1/2

The relation between ...

S/051/63/014/004/005/026
E039/E420

the value and spectral path of the correction. The theory is based on the relation between quantum and classical parameters characterized by absorption on the one hand and experimental values on the other. This enables the relation between values of $K(\nu)$ and $B(\nu)$ to be determined for the case of anisotropically polarized molecules and for isotropically absorbing media (liquid, solutions, amorphous solids). A new and more accurate expression is obtained for determining the integral of the intensity of absorption bands from experimental data.

SUBMITTED: August 20, 1962

Card 2/2

S/020/62/145/005/006/020
B104/B102

AUTHORS: Bakhshiyev, N. G., Girin, O. P., and Libov, V. S.

TITLE: Relations between observed and true absorption spectra in a condensed medium

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 145, no. 5, 1962, 1025-1027

TEXT: -Investigation of the relation between the molecular absorption coefficient $\epsilon(\nu)$ of a substance (or the coefficient $K(\nu)$ in Bouguer's law) and the Einstein absorption coefficient $B(\nu)$ leads to

$$B(\nu) = \epsilon(\nu) \frac{n(\nu) c E_{cp}^2(\nu)}{h\nu E_{\phi\phi}^2(\nu)} = \varphi(\nu) \frac{\epsilon(\nu) c}{h\nu} \quad (8),$$

where $n(\nu)$ is the refraction coefficient of the medium, E_{cp} the mean macroscopic field of the lightwaves in the dielectric, $E_{\phi\phi}$ the effective microscopic field of the lightwaves, $\varphi(\nu)$ an arbitrary function. From this equation it was concluded that the spectral course of the experimentally determined quantity $\epsilon(\nu)$ of a condensed medium does not agree with the true spectral

Relations between observed and...

S/020/62/145/005/006/020
B104/B102

characteristics of $B(\nu)$ of the absorbing center. Hence to determine the true spectrum of $B(\nu)$ of the absorbing particles in various media the experimentally determined spectra need correction taking account of the effective internal field. It is shown that the observed and the true absorption spectra of particles in a condensed system do not agree as regards position, intensity, or shape.

PRESENTED: April 3, 1962, by A. N. Terenin, Academician

SUBMITTED: March 27, 1962

ACCESSION NR: AT4019294

S/0000/63/003/001/0099/0100

AUTHOR: Girin, O. P.

TITLE: Investigation of the catalyzed crystallization of different types of glass by infrared spectroscopy

SOURCE: Simpozium po stekioobraznomu sostoyaniyu. Leningrad, 1962. Stekioobraznoye sostoyaniya, vyp. 1: Katalizirovannaya kristallizatsiya stekla (Vitreous state, no. 1: Catalyzing crystallization of glass). Trudy* simpoziuma, v. 3, no. 1. Moscow, izd-vo AN SSSR, 1963, 99-100

TOPIC TAGS: glass, glass crystallization, infrared spectroscopy, catalyzed crystallization, glass 13, titanium dioxide, absorption spectrum

ABSTRACT: The absorption spectra of different samples of crystallized and initial glass based on glass 13 were recorded over a region of 1500 to 400 cm^{-1} with the two-light SP-100 Unicam spectrophotometer. The samples were prepared by applying a fine powder (mean particle size about 1 micron) to the polished window of a KBr crystal. The accuracy of the determination of the band position was about 10 cm^{-1} . TiO_2 was used as a catalyst. The changes in the spectra depending on the amount of TiO_2 and the modifications of spodumene (α and β) crystals in the crystallized glass were investigated. It can be concluded that the spectral indication of

Card 1/2

ACCESSION NR: AT4019294

crystallization of glass and of the separation of β -spodumene in the glass is the appearance of a sharp line at 750 cm^{-1} and of a band structure at 1000 cm^{-1} . Twenty four samples were investigated with varying amounts of TiO_2 (0-11%) and at different quenching temperatures between 600 and 900C, but the spectra of all samples were similar to the spectrum of spodumene. The absorption spectrum of titanium glass before heat treatment confirmed the catalytic effect of titanium. Orig. art. has: 3 figures.

ASSOCIATION: none

SUBMITTED: 17May63

DATE ACQ: 21Nov63

ENCL: 00

SUB CODE: MT

NO REF SOV: 001

OTHER: 000

BAKSHIYEV, N.G.; GIRIN, O.P.; LIBOV, V.S.

Relation between the observed and true molecular absorption
spectra in a condensed medium. Part 1: Universal influence
of the effective (internal) field. Opt. i spektr. 14 no.4:
476-483 Ap '63. (MIRA 16:6)

(Molecular spectra)

L 9852-63 EWT(1)/FCC(w)/RDS--AFFTC/ASD/ESD-3--IJP(C)

ACCESSION NR: AP3000580 S/0051/63/014/005/0634/0638

57

AUTHOR: Bakhshiyev, N. G.; Girin, O. P.; Libov, V. S.

TITLE: Relation between the observed and true absorption spectra of molecules² in the condensed state. 2. Method of determining the correction for the universal influence of the effective (internal) field

SOURCE: Optika i spektroskopiya, v. 14, no. 5, 1963, 634-638

TOPIC TAGS: absorption spectra, internal fields

ABSTRACT: In earlier contributions by the authors (Doklady AN SSSR, 145, 1025, 1962; Opt. i spektr., 14, 26, 1963) it was pointed out that the true absorption spectrum of molecules is the frequency variation of the Einstein absorption coefficient B, and then when the molecule is in a condensed state the observed spectrum, characterized by the usual coefficient K, differs from the true spectrum. Accordingly in the present paper there are developed methods for determining the magnitude and frequency dependence of the correction to the observed spectrum due to the universal influence of the effective (internal) field of the molecule. It is demonstrated that the requisite relationships

L 9852-63

ACCESSION NR: AP3000580

0

between the optical characteristics of an isotropic absorbing medium and the microscopic characteristics of the absorbing molecule (the polarizability and effective field tensors) can be found in several ways, two of which are considered in some detail. The first is based on use of the general expression for polarization of an absorbing dielectric; the second consists in seeking the relation between the quantum mechanical and classical quantities characterizing the absorptive capacity of the molecule in a condensed medium. Expressions for determining the effective field and other parameters of molecules in different media from experimental data are adduced. Orig. art. has: 23 equations.

ASSOCIATION: none

SUBMITTED: 20Aug62 DATE ACQ: 12Jun63 ENCL: 00

SUB CODE: PH NR REF SOV: 005 OTHER: 002

Card

nh/ja
2/2

L 11162-63 EMP(j)/EMT(1)/EMT(m)/BOS--APPTC/ASD--Pc-1--EM
ACCESSION NR: AP3002782 S/0051/63/014/006/0745/0750

60
59

AUTHOR: Bakhshiyev, N. G.; Girin, O. F.; Libov, V. S.

TITLE: Relation between the observed and true absorption spectra of molecules in a condensed medium. 3. Taking into account the influence of the effective (internal) field according to the Lorentz and Onsager-Boettcher models.

SOURCE: Optika i spektroskopiya, v. 14, no. 6, 1963, 745-750

TOPIC TAGS: molecular absorption, true spectra, Onsager-Boettcher model, Lorentz model

ABSTRACT: The present work is concerned with the problem of determining the relation between the observed and true absorption spectra of molecules in a condensed medium in the framework of the Lorentz and Onsager-Boettcher models for the molecule plus medium (solvent) system. In earlier papers (Optika i spektro., 14, 28, 1963 and Doklady AN SSSR, 145, 1025, 1962) the authors derived a general equation for the true absorption spectrum in terms of the observed spectrum, the correction for the universal influence of the effective (internal) field, the components of the tensor of the effective field parameter, and the direction cosines of the dipole moment of the transition. In the present paper, specific but generally applicable calculations are performed for the case of isotropically polarizing
Card 1/2

L 11162-63
ACCESSION NR: AP3002782

absorbing molecules. It is shown that, depending on the properties of the molecule and medium, there may occur different phenomena which may distort the true spectrum: shift the bands and alter their intensity and shape. The specific case of the absorption in the region of the fundamental frequency of a hypothetical liquid molecule is examined and the effect of corrections of the effective field according to the Lorentz and Onsager-Boettcher theories is shown. It is predicted that appreciable changes may be expected in the electronic spectra of strongly absorbing substances, such as dyes. It is pointed out that failure to allow for the distorting effects of various factors may lead to serious errors in interpreting experimental spectra. The authors plan to discuss the properties of some particular substances and systems in future contributions. Orig. art. has: 26 formulas and 2 figures.

ASSOCIATION: None

SUBMITTED: 20Aug62

DATE ACQD: 15Jul63

ENCL: 00

SUB CODE: 00

NO REF SOV: 005

OTHER: 005

cs/lu

Card 2/2

8/053/63/079/002/002/004
B102/B186

AUTHORS: Girin, O. P., and Bakhshiyev, N. G.

TITLE: The effect of the solvent on the position and intensity of the bands in infrared molecule spectra

PERIODICAL: Uspekhi fizicheskikh nauk, v. 79, no. 2, 1963, 235 - 262

TEXT: The present article gives an incomplete review of the literature of recent years and a critical discussion of the most important papers dealing with the solvent effects on the IR band spectra. Special attention is paid to possibilities of generalization and to the theoretical difficulties that arise in a proper description of the interaction. There are 14 figures, 2 tables, and 125 references. ✓

L 12834-63

ENP(j)/EPF(c)/DMT(m)/BDS

Pr-1/Pc-1

RM/WK

63

ACCESSION NR: AP3002219

S/0020/63/150/006/1256/1259

AUTHOR: Bakhshiyev, N. G.; Girin, O. P.; Libov, V. S.

TITLE: Apparent and true absorption spectra of liquid CHCl_3 and CCl_4 in the 740-810 cm^{-1} range

SOURCE: AN SSSR. Doklady*, v. 150, no. 6, 1963, 1256-1259

TOPIC TAGS: absorption spectra, CHCl_3 , CCl_4 , absorption coefficient

ABSTRACT: The authors presented in a previous paper (DAN, 145, 1962, 1025) the relationship between the observed molecular absorption coefficients and the true (Einstein's) coefficients which are determined by the internal properties of the molecule. The correction factor is given by the changes of the electric field of the light wave caused by the medium. In the present work this correction is used for obtaining the real absorption coefficients of the spectrum which corresponds to the fundamental vibration of C-Cl. The absorption spectrum of CHCl_3 and CCl_4 in both the liquid and gaseous state were experimentally obtained and corrected according to the mentioned formulas.

L 12834-63

ACCESSION NR: AP3002219

The observed and the corrected spectra absorption coefficients are given in two figures. The results confirm the conclusions of the quoted paper that the observed absorption spectra differ greatly from the true ones. This report was presented by Academician A. N. Terenin, 18 Jan 63. Orig. art. has: 3 formulas, 2 figures and 2 tables.

ASSOCIATION: none

SUBMITTED: 04Jan63

DATE ACQ: 24Jul63

ENCL: 00

SUB CODE: PE, EL

NO REF SOV: 002

OTHER: 004

LIBOV, V.S.; BELYAVSKIY, V.M.; GUR'YAN, V.P.

Relation between the observed and true molecular absorption
spectra in a condensed medium. Izv. Akad. Nauk SSSR, Ser. Khim.
no. 6: 116-123, 1964. (RUSSIAN) (NINA 1714)

GIRIN, G.P.

Investigating the catalyzed crystallization of certain types of glass
by infrared spectroscopy. Steklobr., smet. no. 4899-100 '63.
(MIRA 17.10)

GIRIN, Sergei Ivanovich

Towards better utilization of production reserves; work experience of a trade union group. Moskva, Profizdat, 1952. 41 p. (3-32'95)

HC336.G5

ACCESSION NR: AP30001464

8/0007/63/000/005/0493/0499

AUTHOR: Pachadzhanyan, D. N.; Bandurkin, G. A.; Migdisov, A. A.; Girin, Yu. P.

TITLE: Some data on the geochemistry of manganese concretions in the Indian Ocean

SOURCE: Geokhimiya, no. 5, 1963, 493-499

TOPIC TAGS: concretions, Mn, Nb, Ta, Th, V, Co, Ni, Ce, Fe, rare earths, red clay, diagenesis, Indian Ocean

ABSTRACT: Two concretions and samples of red clay, collected by L. M. Khitrov from depths below 5000 m in the Indian Ocean, were used in this study. A distinct difference in composition was found between inner and outer zones of the concretions, the inner zone being richer in silica and alumina and poorer in iron, manganese, and the rare elements (Nb, Ta, V, Th, and rare earths). Red clay has a composition nearer that of the inner zone. The authors conclude that the composition of the inner zone suggests volcanic origin and that correlation between oxidation-reduction potentials and concentrations of Mn, Co, Ni, Ce, V, and Fe in the concretions points to the importance of these potentials in the formation of manganese concretions. "In conclusion, the authors consider it their pleasant duty to express gratitude to L. M. Khitrov for supplying the material for study,

Card 1/2

ACCESSION NR: AP30001164

to all our friends for their assistance in completing the work, and to A. B. Ronov for his review of the work and for a number of valuable comments." Orig. art. has: 1 figure, 2 formulas, and 5 tables.

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

SUBMITTED: 09Jun62

DATE ACQ: 05Jun63

ENCL: 00

SUB CODE: 00

NO REF SOV: 015

OTHER: 014

AUTHOR: Girina, A., Bobruysk 107-1946-42/58

TITLE: "Rodina-52" With Automatic Bias ("Rodina-52" s avtomaticheskim smeshcheniyem)

PERIODICAL: Radio, 1958, Nr 6, p 47 (USSR)

ABSTRACT: The radio "Rodina-52" requires a special 9 volt bias battery which is not always available at stores. Therefore, the author recommends the application of automatic bias for which no changes are necessary in the circuit arrangement of the receiver. It is only necessary to connect the clamp "-9 volt" with the "minus" through a 1,200 ohm resistor and to shunt it with a 20 microfarad, 12 volt capacitor. The anode battery is connected from its "minus" to the clamp "-9 volt" and with its "plus" to "+90 volts". The increase of the anode current amounts to only 1 - 5 milliamperes. In order to compensate for the voltage drop, the author suggests an increase in the anode voltage to 100 volts.

Card 1/1

1. Radio-Automatic bias

GIRINA, G.P.; FIOSHIN, M.Ya.

Kolbe's electrosynthesis studied by the measurement of the capacity of platinum anode in aqueous acetate solutions.

Izv. AN SSSR. Ser. khim. no.8:1387-1393 Ag '64.

(MLFA 17:9)

1. Institut elektrokhemii AN SSSR.

GIRINA, G.P.; FIOSHIN, M.Ya.; KAZARINOV, V.Ye.

State of the surface of a platinum anode at potentials preceding
the course of Kolbe electrosynthesis. Elektrokhimiia 1 no.4:
478-482 Ap '65. (MIRA 16:6)

1. Institut elektrokhemii AN SSSR.

GIRINA, V.G.

Case of successful treatment using aminazine of vegetative
neuralgia. Vrach.delo no.8:146 Ag '62. (MIRA 15:11)

1. Chernigovskaya gorodskaya bol'nitsa.
(CHLORPROMAZINE) (NEURALGIA)

GAL'PERN, G.D.; GIRINA, G.P.; LUK'YANITSA, V.G.

Refinement of the iodometric potentiometric method for determining organic sulfides. *Khim. sera-1 azotorg. soed. sod. v nefte i nefteprod.* 3:131-138 '60. (MIRA 14:6)

1. Institut neftekhimicheskogo sinteza AN SSSR.
(Sulfide) (Potentiometric analysis)

GAL'PERN, G.D., doktor khimicheskikh nauk; GIRINA, G.P.; LUK'YANTSA.
V.G.

Iodometric potentiometric determination of sulfide sulfur.

Metod.anal.org.soed.nefti,ikh smes. i proizv. no.1:58-73

'60. (MIRA 14:8)

(Sulfur--Analysis) (Sulfides) (Potentiometric analysis)

FIOSHIN, M.Ya.; GIRINA, G.P.; VASIL'YEV, Yu.B.; KHRULEV, M.V.; POLIYEVKTOV,
M.K.; ARTEM'YEV, ~~A.G.~~

Additions of alcohols and their effect on Kober's electrosynthesis.
Dokl. AN SSSR 140 no.6:1388-1391 0 '61. (MIRA 14:11)

1. Institut elektrokhimii AN SSSR. Predstavleno akademikom A.N.
Frumkinym.

(Chemistry, Organic--Synthesis) (Electrolysis)

FIOSHIN, M.Ya.; GIRINA, G.P.

Anode processes in the electrolysis of carboxylic monoester salts. Dokl. AN SSSR 143 no.2:384-387 Mr '62.

(MIRA 15:3)

1. Institut elektrokhemii AN SSSR. Predstavleno akademikom A.N.Frumkinym.

(Esters)

(Electrolysis)

GIRINA, I.; SHAMRAYEVA, T.

Multiple scattering and the intensity of gamma rays after
passing through water and baked bricks. Trudy UzGu no.117:
53-57 '62. (MIRA 16:7)

(Gamma rays--Scattering) (Shielding (Radiation))

GIRINA V. V.

USSR/Medicine - Air Analysis Hygiene

Nov 49

"Methods for Determining the Presence of Sulfurous Gas and Nitrogen Dioxide in the Atmosphere," N. G. Folezhayev, V. V. Girina, Inst of Gen and Communal Hygiene, Acad Med Sci USSR, 3 $\frac{1}{4}$ pp

"Gig i San" No 11 - pp. 16-29

Chief changes from known methods of determining small quantities of sulfurous gas in the air are: aspiration method of sampling, use of caustic potassium solution or a 5 % solution of $KClO_2$ as absorbents, and introduction of five standard solutions to establish a scale. In determining the presence of nitrogen dioxide in the air, Greiss' method was used as a basis with a potassium iodide solution as an absorbent.

FA 151T31

USSR/Medicine - Toxic Gases and Vapors

Aug 51

"Micromethods for Determining Harmful Substances in Atmospheric Air," N. G. Polezhaev, V. V. Girina, T. Ye. Laktionova, Inst of General and Communal Hygiene, Acad Med Sci USSR

"Gig i San" No 8, pp 15-20.

In 1949, the Lab of Hygiene of Atm Air, Inst of General and Communal Hygiene, developed micromethods for the detn of Cl₂, SO₂, H₂S, Pb, and Hg in atm air. These methods, described in detail, are based on customary USSR procedures for the detn of these substances in industrial sanitary work. Hy

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Aug 51

USSR/Medicine - Toxic Gases and Vapors
(Contd)

replacing the usual absorption appliances with microequipment calibrated accordingly, the sensitivity of the detns was increased considerably.

GIRINA, V. V.

193766

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

CIA-RDP86-00513R000

APPROVED FOR RELEASE: Tuesday, September 17, 2002

CIA-RDP86-00513R0005

GIRINSKIY, N. K. DECEASED

Oceanology see ILC

GIRITS, A. A.

"The More Important Bark-Bettle Parasites in the Trans-Carpathians." Cand Biol Sci, Chair of Invertebrate Anatomy, L'vov State U imeni Iv. Franko, Mir Higher Education USSR, L'vov, 1955. (KL, No 15, Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).

USSR/General and Specialized Zoology - Insects.

F.

Abs Jour : Ref Zhur - Biol., No 9, 1958, 40078

Author : Girits, A.A.

Inst : Uzhgorod University.

Title : The Biology and Ecology of the Parasites of the Typograph Bark Beetle.

Orig Pub : Nauchn. zap. Uzhgorodsk. un-t, 1956, 21, 185-199

Abstract : The yearly development cycle of the typograph bark beetle and its parasites: the chalcide *Tomicobia seitneri*, *Rhop-trocerus xylophagorum* and the braconide *Coeloides bostrychorum*, was studied in the Transcarpathian oblast. All three parasitic species had four generations yearly, while the typograph had only two generations. The periods of the development of individual generations of parasites do not coincide with the period of development of the typograph

Card 1/2

GIRITS, A.A.

Some parasites of the fruit tree bark beetle (*Scolytus rugulosus*
Ratz.) in orchards of Transcarpathia. Nauk. zap. UzhGU 40:211-219
159. (MIRA 14:4)

1. Uzhgorodskiy gosudarstvennyy universitet.
(Tyachevo—Fruit trees—Diseases and pests)
(Parasites—Bark beetles)

GIRITS, A.A.

Bark beetle nidi and their parasites in windfalls of the Soviet Carpathians in 1958. Nauk. zap. UzhGU 40:249-254 '59.

(MIRA 14:4)

1. Uzhgorodskiy gosudarstvennyy universitet.
(Carpathian Mountains--Bark beetles)
(Mezhgor'ye District--Parasites--Bark beetles)

ELYUCHENOV, A.F.; ANSOL'ROD, L.M.; GIRITSKIY, V.F.; ALPINSKIY, M.I.

Improvement of thermal processes in manual-operated open-hearth furnaces. Metallurg 9 no.10:16-19 0 '61 (Sov. 18st)

KLYUCHEROV, A.P.; GIRITSKIKH, V.P.; SHISHAPIN, B.A.

Accelerating the firing of open-hearth furnaces. *Stal'* 25
no.6:517-521 Je '65. (MIRA 18:6)

1. Nizhno-Tagil'skiy metallurgicheskiy kombinat.

GIRIAT, W.

Distr: 4E2c

Automatic device for zone refining of metals and semi-
 conductors. W. Girit and Z. Dziuba (Polish Acad. Sci.,
 Warsaw). *Acta Phys. Polon.* 18, 589-92 (1959) (in English).
 —A highly efficient automatic arrangement for zone refin-
 ing is described based on a modification of the technique
 which uses a no. of heating elements in backward and for-
 ward motion of amplitude equalling the distance between 2
 consecutive elements. The yield was 1 kg. of pure sub-
 stance a week. Once in every 24 hrs. an ampul contg. a
 new portion of the substance has to be placed in the device.
 Zone refining of some metals (Sb, Cd, In, Te, Zn, Pb, Bi)
 and semiconductors (Ge, InSb, GaSb, HgTe, HgSe, In₂Te)
 has been carried out successfully. Lois Nash Kawasac

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GIRJOABA, V., ing.

Study on the possibilities of increasing the productivity in the
mining industry based on the analysis of the influencing factors.
Rev min 15 no.3:105-112 Nr 64.

PIETENETSKIY, G.Ye.; GIRKA, S.A.

Voltage stabilizer for motor-operated autotransformers. Prib. 1
tekh. eksp. 8 no.3:179-181 My-Je '63. (MIRA 16:9)

1. Fiziko-tekhnicheskij institut AN UkrSSR.
(Voltage regulators)

GIRKIN G.M.

MATSKIN, L.A.; KOVALENKO, K.I.; BABCOV, V.G.; KONSTANTINOV, N.N.;
PONOMAREV, G.V.; PAL'CHIKOV, G.N.; PELENICHKO, L.G.; SHAMARDIN,
V.M.; GLADKOV, A.A.; BRILLIANT, S.G.; SHEVCHUK, V.Ya.; SOSHCHEN-
KO, Ye.M.; ALEKSANDROV, A.M.; BUNCHUK, V.A.; KRUPENIK, P.I.;
MAYEVSKIY, V.Ya.; YELSHIN, K.V.; GAK, Kh.A.; POTAPOV, G.M.;
KARDASH, I.M.; STEPURO, S.I.; KAPLAN, S.A.; SELIVANOV, T.I.;
YEREMENKO, N.Ya.; ZHUKH, A.D.; USTINOV, A.A.; GIRKIN, G.M.;
VOLOBUYEV, P.P.; CHERNYAK, I.L., nauchnyy red.; DESHLAYT, M.G.,
vedushchiy red.; GENNAD'YEVA, I.M., tekhn.red.

[Combating losses of petroleum and petroleum products; materials
of the All-Union Conference on Means of Combating Losses of
Petroleum and Petroleum Products] Bor'ba s poteriami nefi i
nefteproduktov; po materialam Vsesoyuznogo soveshchaniya po bor'be
s poteriami nefi i nefteproduktov. Leningrad, Gos.nauchno-tekhn.
izd-vo nefi. i gorno-toplivnoi lit-ry, 1959. 157 p. (MIRA 13:2)

1. Nauchno-tekhnicheskoye obshchestvo neftyanoy i gazovoy pro-
myshlennosti.

(Petroleum industry)

GOLOVIN, P.V.; ROMANKEVICH, M.Ya.; GIRKO, I.P.

Purification of saturated juice of Jerusalem artichoke by means of organic ion exchangers. II. Anionites. Ukrain. Khim. Zhur. 15, 281-4 '49.
(GA 47 no.22:12689 '53) (MIRA 5:6)

GERNO, I. I.

Dissertation: "Investigation of the residues of the shift of ion exchange by ion exchange according to the system cationite-anionite-cationite." *Uchenye Zapiski Kievskogo Tekhnicheskogo Instituta imeni L. M. Lavrenko, Kiev, 1954.* (Referativnyi Zhurnal-Khimiya, No 12, Moscow, Jun 54)

See: *ibid.*, 23 Dec 1954

Girko, I.P.

✓ Formation of invert sugar in second carbonation liquor during treatment of the cultures: I.P. Girko and I.V. Ch. Golovin. *Ukrain. Khim. Zvez.* 21: 600-650 (1958) (in Russian). -- Invert sugar was found in second carbonation liquors when the pH reached 5.5 or lower. At pH 4, no invert sugar was found, even after standing 1 hr. S. B. Kadylak

①

Inst. Org. Chem., AS USSR

GIRKO, I.P.; KHINCHUK, T.I.

Studying the possibility of using Ukrainian bentonites in the
recovery of motor oils. Bent. gliny Ukr..no.2:199-204 '58.
(MIRA 12:12)

1.Kiyevskiy avtodorozhnyy institut.
(Bentonite) (Oil reclamation)

ROMINSKIY, I.R.; GIRKO, I.P.

Paper-electrophoretic study of the mono- and oligosaccharide content
in plant saps. Ukr. khim. zhur. 24 no.3:364-368 '58. (MIRA 11:9)
(Monosaccharides) (Oligosaccharides) (Sugar beets)

ROMINSKIY, I.R.; GIRKO, I.P.

Paper-electrophoresis of carbohydrates in the presence of organic solvents. Ukr. khim. zhur. 24 no.3:369-371 '58. (MIRA 11:9)
(Carbohydrates--Analysis) (Electrophoresis)

GIRKO, L.A.

Flow of liquefied gas from a spherical reservoir. Gaz. delo
no.3:37-38 '63. (MIRA 17:8)

1. Moskovskiy ordena Trudovogo Krasnogo Znameni institut
neftekhimicheskoy i gazovoy promyshlennosti. im. akad. Gubkina.

GIRKO, M.D.; SHEYNKER, I.G.

Selecting the design of the gearbox with a multiplate clutch
for hydromechanical transmission of a very heavy motor vehicle.
Avt. prom. 29 no.7:23-27 J1 '63. (MIRA 16:8)

1. Minskiy avtozavod.
(Motor vehicles--Transmission devices)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000
APPROVED FOR RELEASE: Tuesday, September 17, 2002_{M-2} CIA-RDP86-00513R0005
USSR / Cultivated Plants. Grains.

Abs Jour: Ref Zhur-Biol., No 6, 1958, 24957

Author : ~~Girko, P. A.~~ Kaplun, A. L., Kuzhel', A. I.
Inst : Not given
Title : The Effect of Fertilizers on the Yield and Quality
of Winter Wheat

Orig Pub: Nauchn. tr. Ukr. s.-kh. akad., 1956, 8, 37-47

Abstract: At the training farm of the Ukrainian Agricultural Academy on dark gray podzolic soil in 8-field grain and potato crop rotations, a comparison was made in 1953-1954 of the yields and quality of winter wheat grain growth on a vetch and oat fallow (VOF) and on a cover of perennial grasses (G) both without and with fertilization. The wheat yield without fertilizer in 1953 totalled on VOF 18.6 and on G-13.9, while in 1954 it was 16.2 and 16.0 centners per

YUKHIMCHUK, Fedor Filippovich [IUKHIMCHUK, F.P.], kand.sel'skokh.nauk;
HIRKO, P.A. [HIRKO, P.A.], prof., red.; TUBOLEVA, M.V. [Tubolieva,
M.V.], red.

[Growing buckwheat in the Ukraine] Dosvid vyroshchuvannia hrechky
na Ukraini. Kyiv, 1958. 37 p. (Tovarystvo dlia poshyrennia
politychnykh i naukovykh znan' Ukraini'koi RSR. Ser.3, no.1)
(Ukraine--Buckwheat) (MIRA 12:3)

TIKHONOV, Nikolay Ivanovich [Tykhonov, M.I.], kand.sel'skokhoz.nauk;
GIRKO, P.A. [Hirko, P.A.], prof., glav.red.

[Organic and mineral fertilizers are the foundation of good crops] Organichni i mineral'ni dobryva - osnova vysokoho vrozhaiv. Kyiv, 1959. 27 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrain's'koi RSR. Ser.6, no.20).
(Fertilizers and manures)

GIRL, J.; HORAK, J.; BLAZEK, J.

Pneumopelviography and pelvic arteriography in the diagnosis of benign gynecological neoplasms. *Cesk. rentgen.* 17 no.6: 363-369 N '63.

1. Rentgenologické oddelení UVN v Praze, vedoucí MUDr. F. Sykora
Gynekologické oddelení UVN v Praze, zast. vedoucí MUDr. J. Blazek.

(GYNECOLOGIC NEOPLASMS)
(NEOPLASM DIAGNOSIS)
(ANGIOGRAPHY) (PELVIS)
(RADIOGRAPHY) (CYSTS)

GIEL,J.; BRET,J.; JAROS,M.; TUHY,J., MUDr.

Abdominal aortography in occlusive changes of the renal arteries.
Cesk. radiol. 19 no.2:73-77 Mr'65.

1. Rentgenologicke oddeleni (vedouci: MUDr.F.Sykora); interni oddeleni (vedouci: MUDr. J. Sedivy); urologicke oddeleni (vedouci: MUDr. J. Tuhy) Ustredni vojenske nemocnice v Praze.

CZ ECHOSLOVAKIA

UDC 616.61-006.04-036.4-07

TUHY, J.; GIRL, J.; Urological Department, Central Military Hospital (Urologické Oddelení Ustřední Vojenské Nemocnice), Prague, Head (Nacelnik) Dr J. TUHY; X-ray Department, Central Military Hospital (Rentgenologické Oddelení Ustřední Vojenské Nemocnice), Prague, Head (Nacelnik) Dr F. SYKORA.

"Difficulties Associated with an Early Diagnosis of Some Malignant Renal Tumors."

Prague, Casopis Lekarů Ceských, Vol 105, No 20, 20 May 66, pp 551 - 554

Abstract [Authors' English summary modified]: Symptomatology and the complaints encountered in renal tumors are discussed. It is sometimes impossible to achieve an accurate diagnosis even when all the available examination methods are used; in such a case an operation should be performed. Only an early radical operation can result in a favorable prognostic aspect in cases of malignant renal tumors. Advantages and disadvantages of an arteriographic examination in the diagnosis of malignant renal tumors are discussed. 15 Figures, 4 Western, 2 Czech references. (Manuscript received Feb 66).

GIRLASU, Gh.; BLACIOS, I.

Increase of agricultural production profitability on the Valea
lui Mihai Collective Farm, Crisana region. Probleme econ 16
no.9:132-138 S '63.

L 31052-66

ACC NR: AP6022613

SOURCE CODE: RU/0005/65/000/010/0415/0416

AUTHOR: Girlasu, Ion (Engineer)

ORG: none

TITLE: Use of telecommunication cables²⁵ with nonmetallic coating in rural work

SOURCE: Telecommunicatii, no. 10, 1965, 415-416

TOPIC TAGS: telecommunication, insulated wire, plastic coating, wire communication, communications wire

ABSTRACT: A brief description of the installation and operation of cables with plastic coatings on the main feeder lines of the rural wire-broadcasting network in Rumania. Performance of the cables is satisfactory and their introduction has led to sizable savings. Orig. art. has: 2 figures. [Based on author's Eng. abst.] [JPRS]

SUB CODE: 09 / SUBM DATE: none

Card 1/1 *pld*

UDG: 621.315.2: 621.395.975

0915

0634

TURCU, I., ing.; GIRLASU, St.

Recording the electric power consumption on the streetcars
in Timisoara. Rev transport 9 no. 3:130-132 Mr '62.

SOURCE CODE: RU/0003/66/017/002/032/000

ACC NR: AP6029168

AUTHOR: Girlasu, St. M.

ORG: none

TITLE: Method of training personnel for automation-technical measurements in the chemical industry

SOURCE: Revista de chimie, v. 17, no. 2, 1966, 92-93

TOPIC TAGS: nonmilitary training, chemical personnel, chemical plant, industrial automation

ABSTRACT: The author describes the method being used at the Craiova Chemical Combine to teach automation-technical measurement skills to the personnel at the plant. The various phases of the subject are taught in a school laboratory at the combine by teams of two highly skilled technicians. Orig. art. has: 2 figures. [JPRS: 36,556]

SUB CODE: 05, 07 / SUBM DATE: none

DUMETRESCU, Stefania N.; GIRLEANU, ~~Adriana M.~~

Contributions to the manufacture of spongy materials from
vinyl polychloride. Rev chimie Min petr 14 no.4:193-196
Ap '63.

1. Fabrica "Dermatina."

Helsinki, 4.; Moscow, 7.

Int. Me. 1961.

Al. 11. 1969

Publ.

L 41114-66 EWP(j)/T LJP(c) RM
ACC NR: AP6030206 SOURCE CODE: RU/0017/65/000/007/0373/0375

AUTHOR: Girleanu, Gr. (Engineer)

ORG: "Tractorul" Works, Brasov (Uzina "Tractorul")

TITLE: Use of epoxy resins at the 'Tractorul' Works

SOURCE: Metalurgia, no. 7, 1965, 373-375

TOPIC TAGS: epoxy resin, structural plastic

ABSTRACT: The author describes the use of epoxy resins to make models at various production stages in the Tractorul Works, and summarizes the advantages of this material over metal for the purposes described. Principal advantages are the saving of metal and a smaller amount of labor required. Orig. art. has: 2 figures. [Based on author's Eng. abst.] [JPRS]

SUB CODE: 11 / SUBM DATE: none

Card 1/1 11b

UDC: 621.724:678.643'42'5.06

0966 1950

GIRLEANU, Nicolae, ing.; DUMULESCU, Moise

The thousandth prefabricated apartment. Constr Buc 16 no.745:K
18 Ap '64.

1. Seful serviciului organizarea muncii de la Trustul Regional de
Constructii de Locuinte, Banat. 2. Diriginte de santier, Trustul
Regional de Constructii de Locuinte, Banat.

BOARNA, Clara; GIRLESTEAN, Eliza

Supplying power to low-frequency welding machines by pressure.
Studii tehn Timisoara 7 no.3/4:311-320 JI-D '60.

MICLOSI, V; GIRLESTEAN, Eliza; BOARNA, Clara

Electric welding through the intermediate fusion of the rods
TOR 47. Studii tehn Timisoara 8 no.3/4:323-342 J1-D '61.

GIRIESTEAN, Eliza; MOGA, S.

Determining friction coefficient between the mesh and the rail in the machines for flash welding. Studii tehn Timisoara 9 no.1/2:127-133
Ja-Je '62.

ERGAN, G., ing.; GIRLESTEANU, E., ing.

Determining the level of insulation of the electric machines
used for oil extraction to ensure protection against atmospheric
overvoltage. Petrol si gaze 16 no.2:89-94 F '65.

L 10910-66

ACC NR: AF6004493

SOURCE CODE: RU/0007/65/016/002/0089/0094

AUTHOR: Dragan, G. (Engineer); Girlesteanu, E. (Engineer)

ORG: none

TITLE: Determining the insulation level of the electrical machines used in the oil extraction sector to assure adequate protection against atmospheric overvoltages

SOURCE: Petrol si gaze, v. 16, no. 2, 1965, 89-94

TOPIC TAGS: petroleum industry equipment, electric motor, electric insulation

ABSTRACT: The authors discuss the determination of the required amount of insulation for electric motors in crude oil extraction equipment, and draw a number of conclusions from the statistical processing of the data obtained experimentally. Orig. art. has: 10 figures. [JPRS]

SUB CODE: 13, 09 / SUMM DATE: none / ORIG REF: 003 / OTH REF: 001
SOV REF: 005

Card 1/1

GIRLO, N. S.
IA

Charging apparatus for blast furnaces N. S. Girlo,
S. G. Shparber and F. P. Gaidar. Russ. 35,69, April
30, 1934. Mechanical features

GIRLO, N. S.

Granulating slag. N. S. Girlo. Russ. 50,500, Feb. 28, 1937. Slags are granulated with water contg. CO₂ to decrease S compds. present. App. is described.

AS & SLA METALLURGICAL LITERATURE CLASSIFICATION

6326 67-174

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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GIRLO, Nikolay Sozontovich; KOPOVOY, Aleksandr Nikolayevich; KARPMAN, M.A.
redaktor; ANDREYEV, S.P., tekhnicheskiiy redaktor.

[Processing slag dumps] Razrabotka shlakovykh otvalov. Khar'kov,
Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metal-
lurgii, 1955. 63 p. (MLRA 8:8)
(Slag)

DEMCHENKO, P.A., kandidat khimicheskikh nauk; DEMCHENKO, L.G., inzhener;
GIRMAN, I.K., inzhener.

Spontaneous combustion of expeller cake. Masl.-zhir.prom. 21 no.8:
9-12 '55. (MLRA 9:3)

1. Institut obshchey i neorganicheskoy khimii AN USSR (for Demchenko,
P.A., Demchenko, L.G.); 2. Ukglovrasshirmaslo (for Girman).
(Feeding and feeding stuffs--Storage)(Combustion, Spontaneous)

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GIRMAN, I.K., inzh.

Letters to the editor. Masl.-zhir.prom. 26 no.12:40 D 160.
(MIRA 13:12)

(Sunflower)

GIRMAN, M.P.,fel'dsher

Industrial traumatism and illness. Fel'd i akush. 24 no.4:40
Ap '59. (MIRA 12:5)

(INDUSTRIAL HYGIENE)

GIRNIK, D. V.

Dissertation: "The Water Regimen of Tree Varieties During the Winter and During Winter Drought." Cand Biol Sci, Inst of Forestry, Acad Sci USSR, Moscow, Oct-Dec 53. (Vestnik Akademii Nauk, Moscow, Jun 54)

SO: SUM 318, 23 Dec 1954

BOOM, Ye.A., red.; BYKOV, V.T., red.; GIRNIK, D.V., red.; STOTSSENKO, A.V., red.; ONISIMOVA, Z.G., red.; TSVID, A.A., red.; YAROSHENKO, P.D., red.; KALASHNIKOV, L., tekhnred.

[Science in the Far East; on the 40th anniversary of the great October socialist revolution and the 35th anniversary of the Soviet regime in the Far East] Nauka na Dal'nem Vostoke; k 40-letiiu Velikoi Oktiabr'skoi sotsialisticheskoi revoliutsii i 35-letiiu sovetaskoi vlasti na Dal'nem Vostoke. Vladivostok, 1957. (MIRA 12:2)
111 p.

1. Akademiya nauk SSSR. Dal'nevostochnyy filial, Vladivostok. (Soviet Far East--Science)

GIRNIK, D.V.

Effect of photosynthesis on the quantity of carbohydrates in the
nectar of flowers of Amur and Manchurian lindens. Soob. DVFAN
SSSR no.9:93-97 '58. (MIRA 12:4)

1. Botanicheskiy sad Dal'nevostochnogo filiala im. V.L.Komarova
AN SSSR.
(Linden) (Botanical chemistry) (Photosynthesis)

GIBNIK, D. V.

A reare case of the formation of paired inflorescences in *Tilia*
amurensis Rupr. Bot. zhur. 45 no.5:770 My '60.

(MIRA 13:7)

1. Dal'nevostochnyy filial Sibirskogo otdeleniya Akademii nauk
SSSR, g. Vladivostok.
(Linden) (Abnormalities (Plants))

GIRNIK, Ye. I.

GIRNIK, Ye. I.

Predicting the streamflow of the Kassan-Sai River based on the
seasonal snow line. Trudy Tashk.geofiz.obser. no.15:88-95 '57.
(MIRA 10:11)

(Kassan-Sai River--Hydrology)

GIRNIK, Ye.I.

Method for long-range forecasting of mean monthly discharge and
mean discharge for the growing season in the Kara-Darya River.
Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no. 3:28-36 '60.
(MIRA 14:9)

(Kara-Darya River--Hydrology)

GIRNIK, Ye.I.

Estimating the intake of water for irrigation from the Syr Darya
in making hydrological forecasts. Trudy Sred.-Az.nauch.-issl.gidrometeor.
inst. no. 17:84-89 '64. (MIRA 17:9)

GIRNIS, V.V., inzhener.

Reconditioning of bronze bearing bushings. Elek.sta. 27 no.2:
50 P '56. (Bearings(Machinery)) (MIRA 9:6)

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GIRNT, Marton

Application of mounted-type tools on copying lathes. Gep 14
no.9:343-346 S '62.

1. Szerszámgepfeljeszto Intezet.

GIROBSKIY, V.

GIROBSKIY, V., dotsent

Preface. Trudy MIEI no.8:3-6 '57.

(MIRA 10:12)

1. Dekan stroitel'nogo fakul'teta Moskovskogo inzhenerno-ekonomicheskogo
instituta im. Sergo Ordzhonikidze.

(Building)

GIROVICH, Ya. B.

KRYUKOV, G.F.; ZUBOVSKIY, G.P.; GIROVICH, Ya.B.

Electric heating in reinforcing concrete columns. Rats. 1 izobr.
predl. v stroi. no.75:16-18 '53. (MLRA 7:7)
(Reinforced concrete) (Electric heating)

GIROVICH, Ya. M.

Experience in administering the sewing industry. Leg. prom. 17 no. 3:
4-6 '57. (MLRA 10:4)
(Ukraine--Clothing industry)

CHROVSKY, V. F.

M. N. Gavrilov (ed.), I. D. Ivan, B. E. Malin, V. F. Chrovskiy, I. A. ...
Vs. N. T. ...
Institution of Finance ...

For ...

GIROVSKIY, V.F., nauchnyy rabotnik; KANTORER, S.B., nauchnyy rabotnik; SHASS, M. Ye., nauchnyy rabotnik; D'YAKOVA, M.V., nauchnyy rabotnik; BABENKO, A.P.; VOLPYANSKIY, S.Ya.; MERZLYAK, G.N.

[Socialist competition for cost reduction in construction work] Sotsialisticheskoe sorevnovanie za snizhenie stoimosti stroitel'nykh rabot. [Avtorskii kollektiv: V.F.Girovskii i dr.] Moskva, Gos.izd-vo lit-ry po stroitel'stvu i arkhitekture, 1953. 55 p. (MLRA 6:7)

1. Moszhilstroy trest (for Babenko, Volpyanskiy, Merzlyak). 2. Kafedra Organizatsii i planirovaniya stroitel'nogo proizvodstva MIBI imeni S.Ordzhonnikidze. 3. Moskovskiy inzhenerno-ekonomicheskiy institut imeni S.Ordzhonnikidze (for Girovskiy, Kantorer, Shass, and D'yakova).
(Construction industry--Costs)

GIROVSKIY, V.F.

IONAS, B.Ya.; GIROVSKIY, V.F.; RAYNIN, S.H.; SYRISOVA, Ye.D.;
USPINSKIY, V.V.; SHASS, M.Ye.

Basic financial problems of housing and public building construction in Moscow. Gor.khoz.Mosk. 28 no. 7:15-20 J1 '54. (MLRA 7:7)
(Moscow--Construction industry) (Construction industry--
Moscow)

GIROVSKIY, V.

"Urgent Economics Problems in Soviet Construction Industry" Voprosy Ekonomiki,
No.11, 1955

Translation M-1022, 12 Mar 56

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GIROVSKY, VIKTOR FEDOROVICH

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Novoye v finansirovani stroitel'stva (Innovations in financing construction work) Moskva, Gosstroyizdat, 1956.
51 p. (Voprosy Ekonomiki Stroitel'stva)
At head of title: Nauchnotekhnicheskoye Obshchestvo Stroitel'noy Promyshlennosti.

NEA

GIROVSKIY, V.

Role of capital construction in socialist production. Vop.ekon.no.12:
32-45 D '56. (MLRA 10:2)

(Industrial equipment)

GIROVSKIY, V.

Planned accumulation in construction. Fin.SSSR 18 no.1: (MLRA 10:2)
70-75 Ja '57.

(Construction industry--Finance)

GIROVSKIY, V.F.

SHASS, Modest Yevgen'yevich, kand.ekon.nauk; VARENIK, Ye.I., doktor tekhn. nauk, prof., retsenzent; GIROVSKIY, V.F., kand.ekon.nauk, dots., retsenzent; GUREVICH, M.S., ekonomist, retsenzent; SOKOLOV, B.M., doktor ekon.nauk, prof., retsenzent; IL'IN, V.M., inzh., nauchnyy red.; KUTSENOVA, A.A., red.izd-va; PERSON, M.N., tekhn.red.

[Economics of the Soviet construction industry] Ekonomika stroitel'noi promyshlennosti SSSR. Moskva, Gos. izd-vo lit-ry po stroit. i arkhit., 1958. 439 p. (MIRA 11:4)

1. Chlen-korrespondent Akademii stroitel'stva i arkhitektury SSSR (for Varenik)
(Construction industry)