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Chemical Fibers SOV/4258

Prospects for the Development of Fiber Production in the USSR 42

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SOV/4258

Chemical Fibers

Requirements for Fibers and Fibrous Products 5

Classification of Synthetic Fibers 6

Inorganic fibers 6
Synthetic cellulose fibers 7
Alginic fiber 11
Synthetic protein fibers 12
Synthetic fibers 12
Polyamide fibers 13
Polyurethanes 18
Telomerization reaction. The "enanthic" and "pelargonic" fibers 20
Properties and applications of polyamide fibers 21
Polyester fibers (polyethylene terephthalate) 23
Applications of polyethylene terephthalate fibers [Dacron] 25
Production of fiber-yielding vinyl polymers 27
Properties and applications of vinyl and acrylic fibers 38

Treatment of Fibers in the Production of Fabrics 39

Card 2/3

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PHASE I BOOK EXPLOITATION SOV/4258

Malychenko, B.F.

Khimichni volokna (Chemical Fibers). Kyyiv, 1959. 43 p. (Series: Tovarystvo dlya poshyrennya politychnykh i naukovykh znan' URSR. Ser. 5, no. 22) 23,700 copies printed.

Chief Ed.: K.Y. Matkovs'kyy, Candidate of Chemistry; Ed.: V.V. Kovalevs'kyy.

PURPOSE: This book is intended for the general reader interested in the chemistry and production of synthetic fibers.

COVERAGE: The book classifies synthetic fibers and discusses their properties, applications, and production processes. Tabular data on the properties and characteristics of various synthetic fibers are given. No personalities are mentioned. There are no references.

TABLE OF CONTENTS:

Introduction 3

Card 1/3

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

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MALYCHA, C. Economizing coal. p. 347. GPERNIKA. Katowice, Poland. Vol. 8, No. 12, Dec. 1955

SOURCE: East European Accessions List (EEAL) LC Vol. 5, No. 6, June 1956

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MALYBAYEV, Omirzhan Malybayevich

[Struggle of the CPSU for the establishment and development of the third coal basin in the U.S.S.R.] Bor'ba KPSS za sozdanie i razvitie tret'ei ugol'noi bazy SSSR. Alma-Ata, Kazgosizdat, 1961. 406 p. (MIRA 15:3)
(Karaganda Basin)
(Karaganda region—Communist Party of the Soviet Union)

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MALYAYEV, S. (g.Ul'yanovsk).

By their own efforts. Za rul. 14 no.7:6 O '56. (MIRA 10:3)
(Ul'ianovsk--Automobile drivers)

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[Safety measures for cold-press shops] Tekhnika bezopasnosti v kholodno-pressovykh tsekhakh. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1953. 185 p. (MLRA 6:10)

(Metal-working machinery--Safety appliances)

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MALYAVSKIY, Boris Kirillovich; ANDREYEV, O.V., kand. tekhn. nauk, retsenzent; KUTETSKIY, Ye.V., red.

[Methods of determining the hydrological characteristics of rivers from an airplane] Metody opredeleniia gidrologicheskikh kharakteristik rek s samoleta. Moskva, Transport, 1965. 117 p. (MIRA 18:3)

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[Railroad surveying; reference and methodological handbook] Izyskaniia zheleznykh dorog; spravochnoe i metodicheskoe rukovodstvo. Moskva, Transport, 1964. 495 p. (MIRA 18:1)

1. Babushkin. Vsesoyuznyy nauchno-issledovatel'skiy institut transportnogo stroitel'stva. 2. Leningradskiy gosudarstvennyy proyektno-izyskatel'skiy institut Gosudarstvennogo proizvodstvennogo komiteta po transportnomu stroitel'stvu SSSR (for Gonikberg, Engel'ke, Khrapkov). 3. Sibirskiy gosudarstvennyy proyektno-izyskatel'skiy institut Gosudarstvennogo proizvodstvennogo komiteta po transportnomu stroitel'stvu SSSR (for Alekseyev, YeP.). 4. Moskovskiy gosudarstvennyy proyektno-izyskatel'skiy institut Gosudarstvennogo proizvodstvennogo komiteta po transportnomu stroitel'stvu SSSR (for Al'port).

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Photographic attachment to the SK-2 stereocomparator for coordinate measurement by the single-carriage method. Geod. i kart. no.1:33-36 Ja '64. (MIRA 17:9)

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MALYAVSKIY, B.K.

Determining the velocity and direction of surface currents and water discharges in rivers by aerial methods. Meteor.i gidrol. no.7:42-44 Jl '60. (MIRA 13:7)

(Hydrographic surveying)
(Aerial photogrammetry)

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BEGAM, L.G., kand.tekhn.nauk; MALYAVSKIY, B.K., kand.tekhn.nauk;
KUSAKOV, V.Ye., inzh.

Using aerial photography in surveying for river crossings.
Transp.stroi. 9 no.5:48-51, 1959 (MIRA 12:12)
(Bridges) (Aerial photogrammetry)

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GORINOV, Aleksandr Vasil'yevich, nauchnyy sotrudnik; BUTLER, Serafim Aleksandrovich, nauchnyy sotrudnik; MALYAVSKIY, Boris Kirillovich, nauchnyy sotrudnik; NORMAN, Edgar Arturovich, nauchnyy sotrudnik; TAVLINOV, Viktor Konstantinovich, kand. tekhn.nauk, nauchnyy sotrudnik; VASIL'YEV, Yu.F., red.izd-va; ASTAF'YEVA, G.A., tekhn.red.

[Air levelling in surveying railroad lines; explorations of mountainous areas] Aeronivelirovanie na izyskaniiakh putei soobshcheniia; materialy issledovanii v gornoi mestnosti. Moskva, Izd-vo Akad.nauk SSSR, 1959. 272 p. (MIRA 13:3)

1. Chlen-korrespondent AN SSSR (for Gorinov). 2. Rukovoditel' laboratorii zheleznodorozhnykh izyskaniy Vsesoyuznogo nauchno-issledovatel'skogo instituta transportnogo stroitel'stva (TsNIIS) Mintransstroya SSSR (for Butler). 3. Laboratoriya zheleznodorozhnykh izyskaniy Vsesoyuznogo nauchno-issledovatel'skogo instituta transportnogo stroitel'stva (TsNIIS) Mintransstroya SSSR (for all except Vasil'yev, Astaf'yeva).
(Aerial photogrammetry) (Railroads--Surveying)

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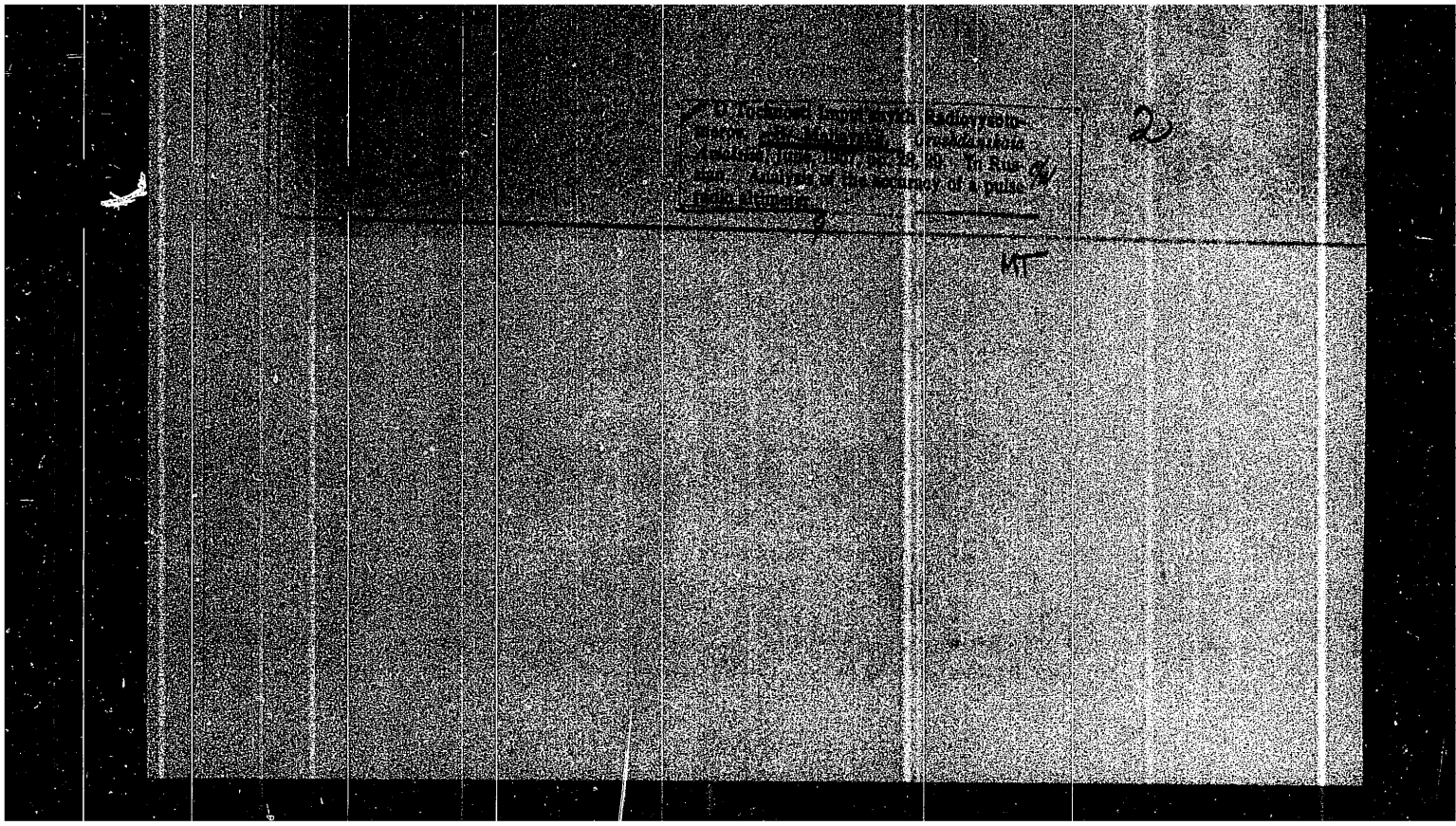

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MALYAVSKIY, B.K., inzhener.

Using aerial leveling for engineering surveying. Transp. stroi. 7 no.2:27-28 F '57. (MLRA 10:4)

(Aerial photogrammetry)

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Conference on using new methods of geodetic measurement and aerial photography. Transp.stroi. 6 no.11:29 N '56. (MLRA 10:1)
(Railroads--Surveying) (Photography, Aerial)

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MALYAVSKIY, B.K., inzhener; SKOBELEV, A.T., inzhener.

"Using aerial photography in surveying for transportation routes." Reviewed by B.K. Maliavskii, A.T. Skobelev. Transp. stroi. 6 no.8: 31-32 Ag '56. (MLRA 9:10)

(Photography, Aerial) (Railroads--Surveying)

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Electronic methods of linear measurement of terrain. Transp. stroi. 6 no.3:25-27 Mr '56. (Surveying) (MLRA 9:7)

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MALYAVSKAYA, G.R.

Contents of the international journal "Teplo- i massoperenos," No.1, 1964. Inzh.-fiz. zhur. 7 no.8:139-140 Ag '64. (MIRA 17:10)

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Summaries of a ticles in the international journal "Teplo- i massoperenos", December 1963. Inzh.-fiz. zhur. 7 no. 3:137-139 Mr '64. (MIRA 17:5)

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Summaries of articles published in the international journal "Teplo- i massoperenos" 7 No.1, 1964. Inzh.-fiz. zhur. 7 no.4:136-137 Ap '64. (MIRA 17:4)

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MALYAVSKAYA, G.R.

Articles published in the international journal "Teplo- i massoperenos," No.9, 1963. Inzh.-fiz. zhur. 7 no.1:129-132 Ja '64. (MIRA 17:2)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

MALYAVSKAYA, G.R.

Contents of the international periodical "Heat and Mass Transfer," vol. 6, June 1963. Inzh.-fiz. zhur. 6 no.9: 125-126 S '63. (MIRA 16:8)

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MALYAVSKAYA, G.R.

Summaries of articles published in the international journal "Teplo- i massoperenos," vol.6, 1963. Inzh.-fiz. zhur. 6 no.7: 130-132 Jl '63. (MIRA 16:9)
(Heat periodicals) (Mass transfer--Periodicals)

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MALYAVSKAYA, G.R.

Summaries of articles published in the international journal "Teplo- i massoperenos," vol.6, February 1963. Inzh.-fiz. zhur. 6 no.5:133 My '63. (MIRA 16:5)
(Heat--Periodicals) (Mass transfer--Periodicals)

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MALYAVSKAYA, G.R.

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(Heat--Periodicals) (Mass transfer--Periodicals)

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MALYAVSKAYA, G. R.

Contents of the international journal "Teplo- i Massoperenos." Inzh.-fiz. zhur. 6 no.1:138-140 Ja '63. (MIRA 16:1)

(Heat—Periodicals)

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MALYAVSKAYA, G.R.

Contents of the international journal "Teplo- i massoperenos."
Inzh.-fiz.zhur. 5 no.12:130-131 D '62. (MIRA 16:2)
(Bibliography--Heat) (Bibliography--Mass transfer)

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ACC NR: AR6028508 (N) SOURCE CODE: UR/0398/66/000/005/B035/B035

AUTHOR: Vasil'yeva, K. D.; Malyavko, Ye. A.

TITLE: Use of the Minsk-1 digital computer in a system for production information processing 16

SOURCE: Ref. zh. Vodnyy transport, Abs. 5B221

REF SOURCE: Tr. Leningr. in-ta vodn. transp., vyp. 84, 1965, 107-114

TOPIC TAGS: information processing, digital computer/Minsk-1 digital computer

ABSTRACT: A description is given og investigations of setting up a system for mechanical processing of information on production economics using digital computers. The investigations have been conducted at the Laboratory of Cybernetics of Transportation and Economics, Department of Organization of Transportation, Leningrad Institute of Water Transportation. [Translation of abstract] [DW]

SUB CODE: 09/

Card 1/1 UDC: 656.6:681.142.35

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

PANCHRUIN, N.A., kand.tekhn.nauk, dotsent; MALYAVKO, Ye.A., inzh.

Solving the differential equation of liquid fluctuations with quadratic resistances on an MN-7 electronic mathematical machine. Trudy LIVT no.8:9-15 '60. (MIRA 15:2)
(Fluid mechanics)(Electronic calculating machines)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

SHUSTER, Frida Maksovna; FEL'DMAN, Aleksandr Markovich; GUREVICH, Vladimir Yudelevich; MALYAVKO, L.T., red.; ZHUK, V.N., tekhn. red.

["Olympic" mathematical problems] Sbornik olimpiadnykh zadach po matematike. Pod red.F.M.Shuster. Minsk, Gos. uchebno-pedagog. izd-vo M-va prosv. BSSR, 1962. 82 p. (MIRA 16:7)

(White Russia--Mathematics--Study and teaching)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

On the Convergence of Fourier Series in Terms of Systems of the Type $\{\varphi(nx)\}$ Which are Adjacent to a Trigonometric System 20-118-1-7/58

(1) converges everywhere, almost everywhere or in the mean to the function $F(x)$. It is stated that the convergence in the mean is guaranteed for every function $F(x) \in L_2^1[-\pi, \pi]$, as soon as the system $\{\varphi(nx)\}$ is adjacent in a certain sense to a trigonometric system $\{\sin nx\}$. For the uniform convergence for continuous $F(x)$ furthermore the uniform convergence of the corresponding trigonometric series $\sum_{k=1}^{\infty} a_k \sin kx$ is demanded.

Some further results concern the ordinary convergence, the convergence almost everywhere and the summability of the Fourier series considered. The author's considerations are essentially based on Kozlov's results [Ref.5]. 1 Soviet and 4 foreign references are quoted.

PRESENTED: July 10,1957, by A.N. Kolmogorov, Academician,
SUBMITTED: July 10, 1957
AVAILABLE: Library of Congress

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

20-118-1-7/58

AUTHOR: MALYAVKO, K.F.

TITLE: On the Convergence of Fourier Series in Terms of Systems of the Type $\{\varphi(nx)\}$ Which are Adjacent to a Trigonometric System (O skhodimosti ryadov Fur'ye po sistemam tipa $\{\varphi(nx)\}$, blizkim k trigonometricheskoy sisteme)

PERIODICAL: Doklady Akademii Nauk SSSR, 1958, Vol 118, Nr 1, pp 29-32 (USSR)

ABSTRACT: Let $L_2'[-\pi,\pi]$ be the space of the odd complex-valued functions, the absolute values of which are quadratic-integrable on $[-\pi,\pi]$. Let for a function $F(x) \in L_2'[-\pi,\pi]$ for a given function $\varphi(x)$ the Fourier series

$$(1) \qquad F(x) \sim \sum_{k=1}^{\infty} a_k \varphi(kx)$$

with respect to the system $\{\varphi(nx)\}$ be constructed, where the a_k are defined by

$$a_k = \int_{-\pi}^{\pi} F(x)\, g_k(x)\, dx \quad , \quad (\varphi(nx), g_k(x)) = \delta_{nk}$$

The author investigates the conditions under which the series

Card 1/2

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16(1)

AUTHOR: Malyavko, K.F. SOV/155-58-2-14/47

TITLE: On the Unconditional Convergence Almost Everywhere for Fourier Series in Terms of T-Systems of the Type $\{\varphi(nx)\}$ of Characteristic Functions of Some Complete Sets (O bezuslovnoy skhodimosti pochti vsyudu ryadov Fur'ye po T-sistemam tipa $\{\varphi(nx)\}$ ot kharakteristicheskikh funktsiy nekotorykh sovershennykh mnozhestv)

PERIODICAL: Nauchnyye doklady vysshey shkoly. Fiziko-matematicheskiye nauki, 1958, Nr 2, pp 71-75 (USSR)

ABSTRACT: As an addition to the preceding paper of the author [Ref 3] he gives sufficient conditions for the unconditional convergence (i.e. convergence for an arbitrary change of the terms) almost everywhere for the Fourier series considered in [Ref 3]. There are 5 references, 4 of which are Soviet, and 1 Polish.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova (Moscow State University imeni M.V.Lomonosov)

SUBMITTED: March 4, 1958

Card 1/1

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

MALYAVKO, K.F. Cand Phys Math Sci -- (diss) "Concerning the convergence of the Fourier series for systems of the type ψ (nx), close to the trigonometric system." Mos, 1958, 13 pp (Mos Order of Lenin and Order of Labor Red Banner State Univ im M.V. Lomonosov. Mech-Math Faculty) ~~(number of copies not indicated)~~, (KL, 21-58, 87)

ψ =

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MALYAVKO, A.M., inzh.

Device for experimental determination of the elastic characteristics of the track. Trudy MIIT no.210: 80-93 '65. (MIRA 18:12)

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MALYAVKINA, Valentina Semenovna; NEVEL'SHTEYN, V.I., vedushchiy red.; ZAUYER, V.V., kand.biolog.nauk, red.

[Spores and pollen from Triassic sediments in the West Siberian Plain.] Spory i pyl'tsa iz triasovykh otlozhenii Zapadno-Sibirskoi nizmennosti. Leningrad, Nedra, 1964. 292 p. (Leningrad. Vsesoiuznyi neftianoi nauchno-issledovatel'skii geologorazvedochnyi institut, Trudy, no.231) (MIRA 18:1)

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MALYAVKINA, V.S.

"The spores and pollen Aclenian of the West Siberian lowland."

Report to be submitted for the Intl. Conf. on Palynology
Tucson, Arizona. 23-27 Apr '62.

All-Union Scientific Research Geological Prospecting Inst.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

MALYAVKINA, V.S.

Spore and pollen complexes in the Triassic of the Russian Platform. Trudy VNIGRI no.29:24-31 vol. 1 '60. (MIRA 14:7)

(Russian Platform - Palynology)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

MALYAVKINA, V.S.; KAREVA, Ye.A.

Stratigraphy of the Chelyabinsk brown coal basin. Dokl.AN SSSR 110 no.5:828-830 O '56. (MLRA 10:1)

1. Vsesoyuznyy niftyanoy nauchno-issledovatel'skiy geologo-razvedochnyy institut. Predstavleno akademikom D.V. Nalivkinym.
(Chelyabinsk Province--Coal geology)

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15-57-2-1374

Spore-Pollen Complexes From the Mesozoic (Cont.)

Bathonian, Bathonian, Callovian, Valanginian, Aptian, lower and middle Albian and upper Albian.

N. A. B.

Card 3/3

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15-57-2-1374

Spore-Pollen Complexes From the Mesozoic (Cont.)

species of the Pinaceae and Podocarpaceae appear here. These plants existed under mild climatic conditions. Bennettites and Gingkos were not widespread in the Western Ural region, but equisetaceae and conifers were well developed. A greater variety of species is recorded in the Keuper strata. In the Rhaetian, the Emba district had much in common with the Siberian floral district: conifers, nilssoniae, ferns of the families Osmundaceae and Matoniaceae (genus Laccopteris), Dipteridaceae (genus Clathropteris Dictyophyllum, Hausmannia) are found in abundance. In the Rhaetian, two floral zones are distinguished within the Emba oil field: the northern zone bordering upon the area of the Siberian conifer-gingko forests, and the zone located within the South Emba region characterized by cycadophyta. The author gives lists and diagrams of spores and pollen from the Lower Triassic (Vetluzhskiy and Baskunchakskiy stages), Keuper, Rhaetian, Lower Jurassic (Hettangian, Domerian, and Toarcian stages), lower lower Bajocian, upper lower Bajocian, lower upper Bajocian, intermediate layers of the upper Bajocian, lower

Card 2/3

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MALYAVKINA, V. S.

15-57-2-1374

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 2, p 28 (USSR)

AUTHOR: Malyavkina, V. S.

TITLE: Spore-Pollen Complexes From the Mesozoic Deposits in the Southeastern Regions of Russian Platform (Emba and Western Ural Region) [Sporovo-pyl'tsevyye kompleksy iz mezozoyskikh otlozheniy yugo-vostochnykh rayonov Russkoy platformy (Emba i Zapadnoye Priural'ye)]

PERIODICAL: V sb: Tr. Vses. soveshchaniya po razrobotke unifitsir, skhemy stratigr. mezozoyskikh otlozheniy Rus. platformy, Leningrad, 1956, pp 342-381

ABSTRACT: A marginal subdistrict of the Westphalian floral region, comprising the Western Ural area (the Emba oil-bearing field, the Aktyubinsk region, and Inder) is distinguished by its Permian spores and pollen. Permian relics (cordaites, lebachian flora, ribbed forms of coniferous pollen) are preserved in the Lower Triassic of this territory; moreover, new coniferous pollen

Card 1/3

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MALYAVKINA, V.S.

Upper Triassic, Lower Jurassic, and Middle Jurassic spore-pollen combinations of the eastern and western Ural foothills. Trudy VNIGRI no.75:93-160 '53. (MLRA 7:9)

(Ural Mountain region--Spores, Fossil) (Spores, Fossil--Ural Mountain region) (Ural Mountain region--Pollen, Fossil) (Pollen, Fossil--Ural Mountain region)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

S/048/62/026/007/018/030
B104/B138

AUTHORS: Livanov, V. A., Gorokhov, V. P., Golofayev, T. I., and Malyavkina, V. P.

TITLE: Analysis of aluminum alloys with the multichannel ARL quantometer

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya, v. 26, no. 7, 1962, 914-918

TEXT: The ARL quantometer was tested and was found rapid and accurate. As the instrument has no arrangements for the rapid transport and treatment of samples, nor for the supply of information, the advantages of rapid operation are, however, partly lost. Laboratory staff could be reduced by automating the analysis. To improve the accuracy and stability of analysis on copper and magnesium present in large amounts, better quality must be used. There are 2 figures and 4 tables.

Card 1/1

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

S/137/62/000/005/147/150
A052/A101

AUTHORS: Livanov, V. A., Gorokhov, V. P., Golofayev, T. I., Malyavkina, V. P.

TITLE: Analysis of Al alloys on ARL quantometer

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 5, 1962, 6, abstract 5K37 (V sb. "Fotoelektr. metody spektr. analiza". Moscow, Oborongiz, 1961, 87-95)

TEXT: The data of studying the effect of certain factors on the working conditions of the quantometer and on the accuracy of the analysis are reported, as well as the results of the investigation of standards and samples selected for the analysis on the quantometer. Standards of Д16 (D16) and АМг 6 (AMg6) alloys were subjected at the same time to a chemical analysis and to an analysis on the quantometer. The results of the analysis on the quantometer, corresponding to those of the chemical analysis, were obtained at the height of 3 - 4 mm from the lower plane of the sample.

[Abstracter's note: Complete translation]

L. Vorob'yeva

Card 1/1

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

MALYAVKINA, V. P.

B

15

Influence of Additions on the Aluminum Spectrum. (In Russian.) G. I. Zhuravlev and V. P. Malyavkina. *Zavodskaya Laboratoriya* (Factory Laboratory), v. 15, Jan. 1949, p. 115-117.

The influence of additions of Mn, Mg, Fe, Si, Cu, and Zn on the intensities of aluminum lines used as references during spectrographic analysis of Al alloys was investigated. Data are tabulated.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

MAKAROV-ZEMLYANSKIY, Ya.Ya., doktor khim. nauk, prof.; MALYAVKIN, V.V., aspirant

New developments in the synthesis of boroacetate. Nauch. trudy MTILP no.24:46-49 '62. (MIRA 16:7)

1. Kafedra organicheskoy khimii Moskovskogo tekhnologicheskogo instituta legkoy promyshlennosti.
(Boron oxides) (Acetic anhydride)
(Chemistry, Organic--Synthesis)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

MALYAVKIN, V.S.

Basic problems of the geology of the Ishim alkali complex in central Kazakhstan and of the hybridization processes. Trudy VSEGEI [illegible] 122 '64.

(MIRA 18:2)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

L 34365-66

ACC NR: AP6022014

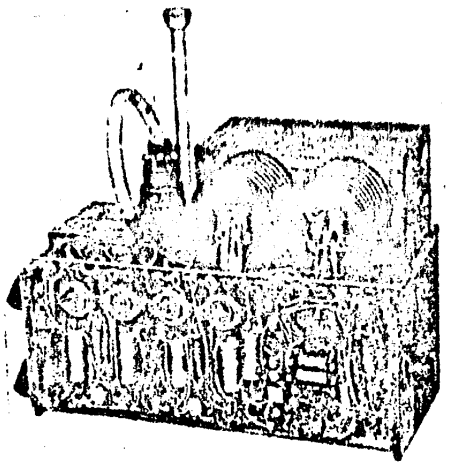

Fig. 1. Power supply module

is a 220 v ±10% source. The weight of one such module is 3 kg. Orig. art. has: 4 figures and 8 formulas. [BD]

SUB CODE: 09/ SUBM DATE: 31Jul65/ ORIG REF: 004/ ATD PRESS: 5133

Card 2/2

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

L 34365-66 EWT(1)/FSS-2 AT

ACC NR: AP6022014 SOURCE CODE: UR/0120/66/000/003/0145/0148

AUTHOR: Korobkin, V. V.; Malyavkin, L. P.; Shchelev, M. Ya.

ORG: Physics Institute, AN SSSR, Moscow (Fizicheskiy institut AN SSSR)

TITLE: Stabilized power supply for electron-optical converters with regulated output voltage

SOURCE: Pribory i tekhnika eksperimenta, no. 3, 1966, 145-148

TOPIC TAGS: power supply, transistor circuit

ABSTRACT: A power supply for electron-optical converters was designed at the Physics Institute of the Academy of Science USSR in Moscow. The power supply is of modular construction (see Fig. 1) and it has two floating outputs. One output may be continuously varied from 4 to 22 kv at a load current of 250 μamps. The voltage stability is 0.05% and the ripple does not exceed 0.01%. The second output is also variable from 0 to ±250 v. It is intended for electron-optical converters with electrostatic focusing. The voltage stability is 0.1% and the ripple is less than 0.03% at a load current of 500 μamps. The supply has a common rectifier section giving out unregulated voltages of 140, 30, and 50 volts. These are further regulated by transistor-Zener diode regulators and applied to two dc/dc converters. The high voltage output is derived from a voltage doubler circuit at the output of a dc/dc converter. The 250 v output section is a conventional full-wave bridge circuit. The primary power

UDC: 621.383.6

Card 1/2

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L 2543-66

ACCESSION NR: AP5021345 3

for an aperture control generator. A detailed description of the purpose and manner of generation of the sawtooth voltage is given. The discussion is related to the hardware components of the control circuit which are shown in a circuit diagram. Various possible potentials at the shutter aperture are shown on oscillographs and are discussed. A sample photograph is presented to demonstrate the resolution capability of the device. The authors thank Yu. F. Baryshnikov and A. I. Parshin for their participation and assistance in the work. Orig. art. has: 5 figures. [04]

ASSOCIATION: Fizicheskiy institut AN SSSR, Moscow (Physics Institute, AN SSSR)

SUBMITTED: 26Dec64 ENCL: 00 SUB CODE: EC, ES

NO REF SOV: 009 OTHER: 002 ATD PRESS: 4109

Card 2/2 hd

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

L 2543-66 EWT(d)/EWT(1)/EPA(s)-2/EPF(c)/EEC(k)-2/ETC/EWG(m)/EWP(v)/EPA(w)-2/
T/EWP(k)/EWP(h)/EWP(1)/EWA(h) IJP(c) TT/WW/AT

ACCESSION NR: AP5021345 UR/0120/65/000/004/0129/0133
621.383

60
57
8

AUTHOR: Korobkin, V. V.; Malyavkin, L. P.; Shchelev, M. Ya.

TITLE: Control circuit based on electron-optical pulse converters 25

SOURCE: Pribory i tekhnika eksperimenta, no. 4, 1965, 129-133

TOPIC TAGS: image converter, electronic scan, automatic control equipment, control circuit 14

ABSTRACT: A control circuit based upon electron-optical pulse converters is described. The device permits amplification of image clarity so as to obtain still photographs and linear scanning of rapidly occurring processes. The image recording process features a time of frame exposure and scan duration covering a range of 0.3 to 10 microseconds. Projection can occur simultaneously with the occurrence of the investigated process or after a delay of 3 microseconds to 3 milliseconds. The operating frequency of the device is 50 cps, and the device is capable of a resolution of 30 lines/mm at the center of the frame and 20 lines/mm at the edges. The maximum scan speed is on the order of 10^8 mm/sec. The basic unit is a generator of pulses which comprise the shutter control. These pulses are formed into a sawtooth voltage

Card 1/2

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L 45447-65

ACCESSION NR: AP5007050

corrective system is used for increasing the accuracy and preventing cycling conditions. The reported error in aiming is ± 5 angular minutes; time of operation is 5°/sec. Orig. art. has: 4 figures.

ASSOCIATION: Fizicheskiy institut AN SSSR (Institute of Physics, AN SSSR)

SUBMITTED: 26Dec63 ENCL: 00 SUB CODE: AA

NO REF SOV: 002 OTHER: 000

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Card 2/2

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

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EEO-2/EWA(c) Pn-4/Pc-4/Pe-5/Pq-4/Pg-4/Pae-2 GW/BC

ACCESSION NR: AP5007050 S/0120/65/000/001/0166/0168

52
B

AUTHOR: Malyavkin, L. P.; Zhitnik, I. A.

TITLE: System for the sun-guidance of instruments operable in a wide range of illumination

SOURCE: Pribory i tekhnika eksperimenta, no. 1, 1965, 166-168

TOPIC TAGS: sun corona, geophysical rocket, sun guidance

ABSTRACT: As conventional servos cannot operate successfully under 10^6-times illumination-range conditions, a special guidance system is suggested in which the sensitivity of error-angle sensors depends on the variation of illumination; the system is intended for aiming rocket-borne optical instruments at the Sun during eclipse observations. Miniature photomultipliers whose sensitivity is varied by controlling their supply voltage are used as light receivers. A relay-and-electron-tube principal circuit diagram is presented and explained. A

Card 1/2

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

L 3435-66 EWT(1)/FCC/EWA(h) GS/GW

ACCESSION NR: AT5023635 UR/0000/65/000/000/0533/0533 56 B+1

AUTHORS: Zhitnik, I. A.; Krutov, V. V.; Malyavkin, L. P.; Mandel'shtam, S. L.

TITLE: Image of the sun in the far short wave region of the spectrum (Thesis) 12

SOURCE: Vsesoyuznaya konferentsiya po fizike kosmicheskogo prostranstva. Moscow, 1965, Issledovaniya kosmicheskogo prostranstva (Space research); trudy konferentsii. Moscow, Izd-vo Nauka, 1965, 533

TOPIC TAGS: solar X radiation, solar facula

ABSTRACT: The image of the sun in the short wave region of the spectrum 170-400 Å was obtained by using apparatus placed on a geophysical rocket launched June 6, 1963, which reached an altitude of 500 km. It was observed that regions of enhanced intensity of the short wave radiation are located above facula fields and remain on the sun for at least a solar day.

ASSOCIATION: none

SUBMITTED: 02Sep65 ENCL: 00 SUB CODE: AA

NO REF SOV: 000 OTHER: 000

Card 1/1 BP

L 45447-65 EEO-2/EWT(d)/FSS-2/EWT(1)/EEC(m)/EEC(k)-2/EWG(v)/EEC-4/EEC(t)/ 53
EEO-2/EWA(c) Pn-4/Po-4/Pe-5/Pq-4/Pg-4/Pae-2 GW/BC
S/0120/65/000/001/0166/0168 52

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

L 20992-65

ACCESSION NR: AP5000174

determined from the telemetric records of the transmitter. The spectral range from 10 to 90 Å was not recorded. Good records were obtained in the 170-400-Å range. The HeII lines at 228, 256, 304 Å, the HeII continuous spectrum, and the following lines of other elements: FeXV at 284 Å, FeXVI at 335 Å, and MgIX at 369 Å were clear. Regions of intense ultraviolet radiation were located above flocculi fields. Orig. art. has: 6 figures and 2 tables.

ASSOCIATION: none

SUBMITTED: 27Feb64 ENCL: 00 SUB CODE: AA

NO REF SOV: 001 OTHER: 010 ATD PRESS: 3145

Card 2/2

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

L 20992-65 FSS-2/EWT(1)/EWG(v)/FCC/EEC-4/EEC(t)/EWA(h) Pe-5/Pi-4/Po-4/Pq-4/
Pae-2/Peb ESD(t)/ESD(ge)/SSD/AFWL/AFETR GW/WS

ACCESSION NR: AP5000174 S/0293/64/002/006/0920/0927

AUTHOR: Zhitnik, I. A.; Krutov, V. V.; Malyavkin, L. P.; Mandel'shtam, S. L.

46
45
B

TITLE: The solar image in the far ultraviolet spectral range

SOURCE: Kosmicheskiye issledovaniya, v. 2, no. 6, 1964, 920-927

TOPIC TAGS: geophysical rocket, solar spectrum, ultraviolet spectral range, rocket container, telemetric record, continuous spectrum, flocculi field

ABSTRACT: Solar images were obtained by a specially arranged apparatus in a geophysical rocket equipped for photographing the sun in the 10—400-Å wavelength range. The apparatus was located within a container which was maintained in a stable position during the whole flight of the rocket. The trap door of the container was opened at a height of 120 km during the ascent and closed at 200 km during the descent. The rocket flight reached a maximum height of 500 km. The position of the container relative to the direction of the sun was

Card 1/2

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S/057/63/033/003/016/021
B104/B180

On the use of ...

2 figures.

ASSOCIATION: Fizicheskiy institut im. P. N. Lebedeva AN SSSR, Moskva (Physics Institute imeni P. N. Lebedev AS USSR, Moscow)

SUBMITTED: March 13, 1962

Card 2/2

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

S/057/63/033/003/016/021
B104/B180

AUTHORS: Korobkin, V. V., and Malyavkin, L. P.

TITLE: On the use of a superorthicon to obtain images time-scanned

PERIODICAL: Zhurnal tekhnicheskoy fiziki, v. 33, no. 3, 1963, 360 - 365

TEXT: Study is made in connection with the investigation of very high-speed processes. In the image-transfer section between photocathode and target scanning is accomplished by a saw-tooth magnetic field which perpendicular to the superorticon axis. By calculating the magnetic field strength necessary for this scanning it is shown that non-linearity of scanning does not exceed 0.5 % if the magnetic field varies linearly. The electron defocusing caused by the deflecting field on the target edge is not greater than 0.05 mm. The method was put into practice in an apparatus for recording pulsed discharge spectra, using the superortican as a time-shutter also, for which purpose a negative voltage was only supplied to the photocathode when a spectrum was recorded. There are

Card 1/2

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MALYAVKIN, L.P.

Photoelectric steelometer for emission spectrum analysis. Acta chimica Hung 30 no.3:277-284 '62.

1. Fizicheskiy institut im. P.N. Lebedeva, Akad.Nauk SSSR, Moskva V-17.

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

A Recording Electrometer Based on the Electronic Potentiometer, Type EPP-09

S/120/60/000/01/026/051
E192/E382

250 mV, 500 mV, 1 V, 2.5 V and 5 V. The rheostat is the same as that in the potentiometer EPP-09. The rheostat is supplied from a stabilised voltage source whose detailed diagram is given in Figure 4. The error of the measurement by means of the device is less than 1%. The balancing time is 2.5 sec maximum and the input capacitance of the system is 20 pF. The input resistance is as high as $10^{14} - 10^{15}$ Ω. There are 4 figures and 6 references, 2 of which are German and 4 Soviet.

ASSOCIATION: Fizicheskiy institut AN SSSR (Physics Institute of the Ac.Sc., USSR)

SUBMITTED: January 9, 1959

Card3/3

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

S/120/60/000/01/026/051
E192/E382

A Recording Electrometer Based on the Electronic Potentiometer, Type EPP-09

motor is stopped. A pointer indicator is attached to the motor so that the magnitude of the measured voltage can be read on a calibrated scale. The sensitivity of the device is varied by changing the voltage applied to the slide rheostat. This appears to be the simplest and the most practical method of obtaining a variable sensitivity. The main disadvantage of the method lies in the fact that if the voltage across the rheostat is increased, the voltage across one of its turns changes accordingly. If now the sensitivity of the whole system, including the vibrating capacitor, the amplifier and the reversible motor, is greater than the voltage across a single turn of the rheostat, the system becomes unstable. This can be eliminated by reducing the gain of the system. The amplifier of the system is illustrated in the diagram of Figure 2. The gain of the amplifier can be varied by changing the position of the switch M_2. The electrometer has the following voltage ranges: 50 mV, 100 mV,

Card2/3

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

S/120/60/000/01/026/051
E192/E382

AUTHORS: Abramson, I.S. and Malyavkin, L.P.

TITLE: A Recording Electrometer Based on the Electronic Potentiometer, Type EPP-09

PERIODICAL: Pribory i tekhnika eksperimenta, 1960, Nr 1, pp 95 - 98 (USSR)

ABSTRACT: The device is suitable for the measurement of currents and voltages and their recording on a paper tape. The recording mechanism is that of the electronic potentiometer, type EPP-09. The electrometer operates on the "null" principle, i.e. the measured voltage E_x is compared with a portion of a standard voltage taken from a slide rheostat (Figure 1). The difference between the two voltages is transformed into an alternating voltage by means of a vibrating capacitor and this is then amplified. The resulting signal is applied to one of the windings of a reversible motor which drives the slider of the rheostat to the position at which the difference between the two voltages is near to zero. The output voltage of the amplifier is thus reduced to zero and the

Card1/3

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New Books. Author's Abstracts of Dissertations SOV/32-25-3-61/62

Kustanovich, I. M.: New Methods for Increasing the Velocity and Accuracy of Spectrum Analyses in Ferrous Metallurgy (Moskovskiy universitet im. M.V.Lomonosova) (Moscow University imeni M. V. Lomonosov)

Card 2/2

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

MALYAVKIN, L. P.

5(0)

AUTHOR: None Given SOV/32-25-3-61/62

TITLE: New Books (Novyye knigi). Author's Abstracts of Dissertations (Avtoreferaty dissertatsiy)

PERIODICAL: Zavodskaya Laboratoriya, 1959, Vol 25, Nr 3, p 382 (USSR)

ABSTRACT: I. V. Prokof'yeva: Development of Methods for the Separation and Determination of Rhodium and Iridium (Institut obshchey i neorganicheskoy khimii AN SSSR) (Institute of General and Inorganic Chemistry AS USSR)

V. S. Baykov: Development of New Apparatus for the Determination of Gases in Metals and for the Investigation of the Behavior of Hydrogen in the Course of the Electrical Melting Process of Steel (Institut chernoy metallurgii Akademii nauk USSR, Dnepropetrovsk) (Institute of Ferrous Metallurgy of the Academy Sciences, UkrSSR, Dnepropetrovsk)

E. P. Rikman: Local Spectrum Analysis and Its Use in Metallurgy (Tul'skiy mekhanicheskiy institut) (Tula Mechanical Institute)

L. P. Malyavkin: Development and Investigation of the Photoelectrical Plant for Emission Spectrum Analysis (Fizicheskiy institut im. P. N. Lebedeva Akademii nauk SSSR) (Physics Institute imeni P. N. Lebedev of the Academy of Sciences, USSR)

Card 1/2

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

Investigation of the Operation of the Photoelectric Stylometer FES-1 32-24-6-14/44

I.V.Podmoshenskiy should be employed. By means of the method described the silicon content of samples produced by the "Serp i molot" works was measured, and it was found that in concentrations of 0.03-1.5% silicon can be determined with an absolute error amounting to from 0.01 to 0.2%. There are 2 figures, 3 tables, and 15 references, 12 of which are Soviet.

ASSOCIATION: Komissiya po spektroskopii i Fizicheskiy institut Akademii nauk SSSR (Commission for Spectroscopy and Physics Institute, AS USSR)

1. Spectrum analyzers--Design 2. Spectrum analyzers--Equipment
3. Spectrum analyzers--Operation

Card 4/4

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Investigation of the Operation of the Photoelectric Stylometer FES -1 32-24-6-14/44

respectively. The results obtained are compared in a table with those according to Gauss, and errors were found to occur at random. With respect to the application of an internal standard it is stated that a not separated light beam can be used and that in this way better reproducibility is obtained. Besides tungsten, also chromium, manganese, titanium and vanadium were determined, and an analytical error of 1.0-2.0% was found. Determination of silicon in steels presented a number of difficulties, so that e.g. the spectral line of silicon had to be derived according to the iron line for guidance; the linear distance changed proportionally with the temperature. The following factors are mentioned as influencing the amount of the errors: 1.) The formation of charges as a result of deformation of a cable (changes of temperature). 2.) The occurrence of a low EMF in connection with the commutation of the current supply of the electrometer. 3.) The entering of light into the apparatus through the observation microscope. 4.) The binding of the capacity of the current of the two integrating condensers. These faults ought to be remedied; for the first-mentioned case the method of graphiting developed by

Card 3/4

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Investigation of the Operation of the Photoelectric Stylometer FES 1 — 32-24-6-14/44

separators, by a combination of the three existing light filters, or by the contacts, according to the measuring scale. The electric part of the device is described and a schematical plan showing the measuring order is given; among other things it is mentioned that the input resistance should not be less than $10^{14} - 10^{15}$ ohms, that the total range of measurable voltages is subdivided into six parts, and that on the light-source generator GEU a thyratron of relatively low voltage was used in contrast to what was done in other cases, and that a wide area of arc- and spark discharge regimes is obtained. When dealing with the accuracy of the device, the error limit is investigated; it was mentioned that the potentiometers EPV 01 or EPV 0.5 belong to the class 0.5, that the measuring scheme is linear, and that errors are below 0.5%. Moreover, the photometrical error limit was investigated in the case of both a stable and a geometrically unstable light source; results are given. For the determination of analytical errors the influence exercised by the reproducibility of the shape and the quality of the surfaces of the electrodes upon measuring errors were investigated as sources of errors and a number of alloying elements (mainly tungsten in steels) was determined by using the W 4659 Å line. Measurements carried out with the steels P-9 and P-18 disclosed a reproducibility error of 1.2 and 0.8%

Card 2/4

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32-24-6-14/44

AUTHORS: Abramson, I.S., ~~Malyavkin, L.P.,~~ Mogilevskiy, A.N., Slavnyy, V.A.

TITLE: Investigation of the Operation of the Photoelectric Stylometer FES -1 (Issledovaniye raboty fotoelektricheskogo stilometra tipa FES -1)

PERIODICAL: Zavodskaya Laboratoriya, 1958, Vol 24, Nr 6, pp 695-702 (USSR)

ABSTRACT: The above-mentioned stylometer is used for quantitative emission spectral analysis, in which elements are determined one after another. The optical scheme of the device is similar to that of the spectrograph ISP -51 in which any spectral line can be separated individually, whereas, on the other hand, the sensitivity of the photoelements in the red spectral range is insufficient. The method of measuring the intensity of the spectral lines to be analyzed, which method is used also in other systems following a suggestion made by L.M. Iwantsov and S.M.Rayskiy (Ref 5), is applied also in this case. The principle of measuring is described, and it is said that this principle is being applied in a new device of foreign construction. Selection of the average value of exposure is carried out in three different ways: by calibration

Card 1/4

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24(7) PHASE I BOOK EXPLOITATION SOV/1700

L'vov. Universitet

Materialy X Vsesoyuznogo soveshchaniya po spektroskopii, 1956. t. II: Atomnaya spektroskopiya (Materials of the 10th All-Union Conference on Spectroscopy, 1956. Vol 2: Atomic Spectroscopy) /Lvov/ Izd-vo L'vovskogo univ., 1958. 568 p. (Series: Its: Fizicheskiy sbornik, vyp.4(9)) 3,000 copies printed.

Additional Sponsoring Agency: Akademiya nauk SSSR. Komissiya po spektroskopii.

Editorial Board: G.S. Landsberg, Academician, (Resp. Ed.); B.S. Neporent, Doctor of Physical and Mathematical Sciences; I.L. Fabelinskiy, Doctor of Physical and Mathematical Sciences; V.A. Fabrikant, Doctor of Physical and Mathematical Sciences; V.G. Koritskiy, Candidate of Technical Sciences; S.M. Rayskiy, Candidate of Physical and Technical Sciences; L.K. Klimovskaya, Candidate of Physical and Mathematical Sciences; V.S. Miliyanchuk (Deceased), Doctor of Physical and Mathematical Sciences; A.Ye. Glauberman, Doctor of Physical and Mathematical Sciences; Ed.: S.L. Gazer; Tech. Ed.: T.V. Saranyuk.

PURPOSE: This book is intended for scientists and researchers in the field of spectroscopy, as well as for technical personnel using spectrum analysis in various industries.

COVERAGE: This volume contains 177 scientific and technical studies of atomic spectrography presented at the 10th All-Union Conference on Spectroscopy in 1956. The studies were carried out by members of scientific and technical institutes and include extensive bibliographies of Soviet and other sources. The studies cover many phases of spectroscopy: spectra of rare earths, electromagnetic radiation, physicochemical methods for controlling uranium production, physics and technology of gas discharge, optics and spectroscopy, abnormal dispersion in metal vapors, spectroscopy and the combustion theory, spectrum analysis of ores and minerals, photographic methods for quantitative spectrum analysis of metals and alloys, spectral determination of the hydrogen content of metals by means of isotopes, tables and atlases of spectral lines, spark spectrographic analysis, statistical study of variation in the parameters of calibration curves, determination of traces of metals, spectrum analysis in metallurgy, thermochemistry in metallurgy, and principles and practice of spectrochemical analysis.

Card 2/31

Materials of the 10th All-Union Conference (Cont.) SOV/1700

Vaynshteyn, E.O., and L.I. Pavlenko. Studying the Effect of Total Rock Composition on the Results of Quantitative Spectral Determination of the Mo Content of Granitoids 120

Kopystyanskiy, A.A. The Vertical Sun Telescope and the Small-size Diffraction Spectrograph of High Resolving Power at the L'vovskaya astronomicheskaya observatoriya (L'vov Observatory) 123

Kostyrev, B.P. The FEOU-17 and FEOU-18 Photoelectric Optical Amplifiers for Recording Extremely Small Infrared Radiations 125

Malyavkin, L.P., A.N. Mogilevskiy, and I.S. Abramson. Improving the Stability of Photomultipliers for the Photoelectric Recording of Spectra 129

Peysakhson, I.V. Effective Spectral Slit Width of a Monochromator When Aberrations Are Present 133

Card 9/31

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

MALYAVKIN, L. P. Cand Tech Sci -- (diss) "Development and study of photo-electric devices for emission spectral analysis." Mos, 1958. 11 pp (Acad Sci USSR. Physics Inst im P. N. Lebedev), 200 copies (KL, 51-58, 102)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

MALYAVKIN, Leonid Petrovich, inzhener; UDAL'TSOV, A.N. glavnyy redaktor; SHTEYNBOK, G.Yu., inzhener, redaktor

[Photoelectric apparatus for emission spectrum analysis] Fotoelektricheskaia ustanovka dlia emissionnogo spektral'nogo analiza. Tema no. 8, no. P-56-413. Moskva, Akad. nauk SSSR, 1956 25 p. (MLRA 10:4)

(Spectrum analysis)

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MALYAVKIN, L.P. ; ABRAMSON, I.S.

Use of dynamic condenser electrometers for photoelectric recording of spectra. Izv. AN SSSR. Ser. fiz. 19 no.1:40-42 Ja-F '55. (MIRA 8:9)

1. Komissiya po spektroskopii Akademii nauk SSSR i Fizicheskiy institut imeni P.N.Lebedeva Akademii nauk SSSR
(Spectrum analysis) (Spectrometer)

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USSR

537.323.4

[illegible] Photoelectric investigation of the spectrum of the channel of a spark discharge. L. A. VAINSHTEIN, [illegible] M. LEONTOVICH, L. P. MALYAVKIN AND [illegible] [illegible] Zh. Eksper. Teor. Fiz., 24, No. 4, [illegible] (1953) in Russian.

Describes the procedure and apparatus for photoelectric recording (with the use of an oscillograph) of the intensities of spectral lines in the unit impulse of the spark discharge. For the intensities of spectral lines of N at different degrees of ionization and of the H_α line, their variation is investigated during the process of generation of the spark discharge. Some regularities have been established for the spectrum excitation in the channel of the discharge. E.g., the relative intensity of 3 pairs of N II lines with different energies of excitation of upper levels varies the less during the discharge the smaller the difference between the energies of upper levels for the lines involved. This leads to the assumption $I = A \exp(-E/kT)$, i.e. that the distribution of atoms on the excitation levels is of the Boltzmann type. F. LAGUNAN.

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

1. MALYAVKIN, L. P.

2. USSR (600)

4. Photoelectricity

7. Oscillograph for studying brief periodic and single-stage processes. Zhur. tekh. fiz., 22, No. 10, 1952

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

MALYAVKIN, L.P.

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

USSR/Physics - Photocurrent Aug 52

"Appearance of an Alternating Component in the Photocurrent of Photocells During Strong Illumination," L. A. Vaynshteyn, L. P. Malyavkin, Phys Inst imeni P. N. Lebedev, Acad Sci USSR

"Zhur Tekh Fiz" Vol 22, No 8, pp 1315-1317

The appearance of an alternating component of audiofrequency was observed in the photocurrent of vacuum or gas-filled photocells during illumination of the order of 10^4 luxes. Sometimes high-frequency oscillations were superimposed on the

226T97

oscillations of audiofrequency. Indebted to V. V. Druzhinin and S. L. Mandelshtam. Received 16 May 52.

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MALYAVKIN, L. P.

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

VLADIMIROV, O.K., kand. geol.-mineral. nauk; KARASIK, A.M., geofizik; MALYAVKIN, A.M., geofizik

Magnetic susceptibility of rocks of individual nanataks on the Queen Mary Coast and the Wilhelm II Coast. Inform. biul. Sov. antark. eksp. no.35:11-13 '62. (MIRA 16:11)

1. Vsesoyuznyy institut razvedochnoy geofiziki (for Vladimirov). 2. Nauchno-issledovatel'skiy institut geologii Arktiki (for Karasik, Malyavkin).

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S/169/63/000/002/111/127
D263/D307

Magnetic properties of ...

least magnetic. The basic intrusive rocks of the Komsomolskaya mound (dolerites and gabbro-dolerites) were strongly magnetic. The ratio Q was less than unity for all rocks. [Abstracter's note: Complete translation.]

Card 2/2

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

S/169/63/000/002/111/127
D263/D307

AUTHORS: Vladimirov, O. K., Karasik, A. M. and Malyavkin, A.M.

TITLE: Magnetic properties of rocks in the region of Mirnyy

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 2, 1963, 30, abstract 2D180 (Inform. byul. Sov. antarkt. ekspeditsii, 1962, no. 32, 15-18)

TEXT: A description is given of the results of an investigation into the magnetic properties of rock specimens collected in the region of Mirnyy during the 2nd and 4th continental expeditions. Measurements of the magnetic susceptibility were carried out on 200 samples of rocks, using an induction kappameter with a sensitivity of 10×10^{-6} emu and an electronic kappameter with a sensitivity of 1×10^{-6} emu; measurements were also made of the magnetic remanence on 15 specimens, with the М-2 (M-2) instrument. Magnetite-rich hypersthene granites from individual parts of Haswell Islands were found to be most magnetic; the diopside rocks were

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S/169/63/000/002/111/127
~~D263/D307~~

AUTHORS: Vladimirov, O. K., Karasik, A. M. and Malyavkin, A.M.

TITLE: Magnetic properties of rocks in the region of Mirnyy

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 2, 1963, 30, abstract 2D180 (Inform. byul. Sov. antarkt. ekspeditsii, 1962, no. 32, 15-18)

TEXT: A description is given of the results of an investigation into the magnetic properties of rock specimens collected in the region of Mirnyy during the 2nd and 4th continental expeditions. Measurements of the magnetic susceptibility were carried out on 200 samples of rocks, using an induction kappameter with a sensitivity of 10×10^{-6} emu and an electronic kappameter with a sensitivity of 1×10^{-6} emu; measurements were also made of the magnetic remanence on 15 specimens, with the М-2 (M-2) instrument. Magnetite-rich hypersthene granites from individual parts of Haswell Islands were found to be most magnetic; the diopside rocks were

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VLADIMIROV, O. K., kand. geol.-mineral. nauk; KARASIK, A. M., geofizik; MALYAVKIN, A. M., geofizik

Magnetic properties of rocks occurring in the Mirnyy region. Inform. biul. Sov. antark. eksp. no.32:15-18 '62. (MIRA 16:4)

1. Vsesoyuznyy institut razvedochnoy geofiziki i Nauchno-issledovatel'skiy institut geologii Arktiki.

(Mirnyy region, Antarctica--Rocks--Magnetic properties)

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MALYAVKIN, A.G.

In the People's Republic of China. Vest.AN Kazakh.SSR 12 no.6: 111-112 Je '56. (MLRA 9:8)
(China--Mathematics--Periodicals)(China--Reptiles, Fossil)

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MALYAREVSKIY, V.M., kand.tekhn.nauk

Concerning the book by N.P.IAkushin "Ventilation and control of gases during mine shaft sinking." Shakht.stroi. 8 no.3:32 Mr '64. (MIRA 17:3)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

MALYAVINSKIY, V.M.

In memory of an outstanding Soviet obstetrician, Professor Aleksandr IUdimovich Lur'e. Akush i gin. 34 no.5:125-126 S-O '58 (MIRA 11:10)
(LUR'E, ALEKSANDR, IUDIMOVICH, 1897-1958)

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MALYAVINSKIY, V.M.

Physiological position of the fetal head at the entrance of femoral pelvis [with summary in English]. Akush. i gin. 33 no.3:50-55 My-Je '57. (MLRA 10:8)

1. Iz Instituta akusherstva i ginekologii (dir. L.G.Stepanov) Ministerstva zdravookhraneniya RSFSR.
(LABOR PRESENTATION
physiol. position of fetal head (Rus))

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MALYAVINSKIY, V. M.

Training of middle medical personnel for gynecological institutions. Feldsher & akush. no.5:16-19 May 1951. (CIML 21:1)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

MALYAVINSKIY, V. M.

Methods for further improvement of gynecologic service in the Soviet Union. Akush. gin. no.3:26-31 May-June 1951. (CIML 21:1)

1. Suggested changes in teaching and administration.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

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An Approximate Method for the Solution of Problems on Plastic Equilibrium (cont.) SOV/124-57-4-4706

bulges out on the sides). In the case of a plane die, the solution was carried out to a numerical answer which was found to be in fairly good agreement with values obtained by Sokolovskiy by means of numerical integration.

G. S. Shapiro

Card 2/2

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SOV/124-57-4-4706

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 4, p 119 (USSR)

AUTHOR: Malyavinskiy, N. A.

TITLE: An Approximate Method for the Solution of Problems on Plastic Equilibrium in a Two-dimensionally Deformed Body (Priblizhenny metod resheniya zadach plasticheskogo ravnoves'ya plosko deformirovannoy sredy)

PERIODICAL: Sb. nauch. tr. Tomskiy elektromekhan. in t inzh. zh. d. transp., 1956, Vol 22, pp 76-101

ABSTRACT: The solution of the equations of the plane deformation of a perfectly plastic body was effected by V. V. Sokolovskiy (Theory of Plasticity, GTTI, 1952) who applied to this problem a method proposed by S. A. Khristianovich (Prikl. matem. i mekhanika, 1947, Vol 11, Nr 2). This method permits an approximate integration of the equations of a supersonic gas flow by means of approximating some variable coefficient employed in these equations by a certain function which makes these equations integrable. The author employs this method in examining problems on the compression of a plastic strip by a plane or wedge-shaped die (in the case of the latter, it is assumed that no material

Card 1/2

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MALYAVINSKIY, N. A.

MALYAVINSKIY, N. A. "Two Approximate Methods of Solving a Plane Problem in the Theory of Plasticity and of the Limiting Equilibrium of a Free-Flowing Medium." Acad Aci USSR Inst of Mechanics. Tomsk, 1956.
(Dissertation of Degree of Doctor in Physicomathematical Science)

So: Knizhnaya Letopis', No. 17, 1956.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

MALYAVINSKIY, N. A.

42223. MALYAVINSKIY, N. A. Issledovaniye ploskoy zadachi plasticheskogo ravnovesiya na osnove gopotezy mora.-v ogl: Malevinskiy I. A. Trudy tomskogo elektromekhan. In-ta inzh. Zh.-d. Transporta, T. XIII, 1948, c10-29.

So: Letopis' Zhrunal'nykh Statey, Vol. 47, 1948.

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

ACCESSION NR: AP4036979

SUBMITTED: 00 DATE ACQ: 05Jun64 ENCL: 00

SUB CODE: FP NO REF SOV: 005 OTHER: 004

Card 3/3

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001031900012-6

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ACCESSION NR: AP4036979

higher octane number monoolefins were hydrogenated to saturated hydrocarbons. The octane ratings were obtained on 1 cylinder test units IT9-2 and IT9-6 and auto engines MZMA-407. Changing the depth of hydrogenation of the unsaturated hydrocarbons of the highly aromatic distillates of these pyrolysis resins had little effect on the antidetonation properties of the gasolines; these had octane numbers of 86-96 by the motor method and 99-110 by the test unit method. Increasing the depth of hydrogenation of the unsaturated hydrocarbons of gasoline from pyrocondensates having a lower aromatic hydrocarbon content somewhat lowered its antidentonation properties; the octane number was lowered from 78.5 to 75.0 upon complete hydrogenation. It was shown that hydrogenated gasolines from pyrolysis resins of gaseous and liquid hydrocarbons can be used as highoctane components in the production of automobile gasolines. Gasolines A-66 (e.g., from commercial A-56 + 20% hydrogenated gasolines), A-72 (commercial A-66 + 30% hydrogenated gasolines) and A-80 (commercial A-72 + 45% hydrogenated gasolines) have higher antidetonation properties than commercial gasolines bearing these designations. Orig. art. has: 5 tables and 2 figures.

ASSOCIATION: IGI, VNII NP, NIISS

Card 2/3

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