

KRAVCHENKO, S.I., kand.techn.nauk; UVAZHENKOV, V.F., inzh.

On making the "Dobras-72" cut re-loader in anthracite K 101.  
No. 11.000. no. 314-72. My-1e 101. 11A 1013

PROBST, Abram Yefimovich, prof., doktor ekonomicheskikh nauk,; ALEKSANDROVA,  
Antonina Ivanovna,; BRODSKIY, Viktor Borisovich,; OVSIANNIKOV,  
Vasily Ivanovich,; KOZENTRETER, Avenir Borisovich,;

(Prospects for developing the production of cast iron in electric  
furnaces in the eastern part of the U.S.S.R. (Eastern Siberia and  
the Far East). Perspektivy razvitiia vyplavki chuguna v elektricheskikh  
pechakh na Vostoke SSSR (Vostochnain Sibir' i Dalnii Vostok). Moskva,  
Izd-vo akad. nauk SSSR, 1958. 151 p. (MIRA 11:12)  
(Far East--Cast iron)  
(Siberia, Eastern--Cast iron)

125 V A

PLATE I BOOK EXPLANATION 507 707

Underlying book ISBN Report to Laboratory, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000 copies printed.

64. O.I. Lyubimov, Candidate of Physical Science, Institute of Publishing  
65. O.I. Lyubimov, Tech. Sc. To S. M. Kuznetsov, Candidate of Publishing  
66. O.I. Lyubimov, Tech. Sc. To S. M. Kuznetsov, Candidate of Publishing  
67. O.I. Lyubimov, Tech. Sc. To S. M. Kuznetsov, Candidate of Publishing  
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99. O.I. Lyubimov, Tech. Sc. To S. M. Kuznetsov, Candidate of Publishing  
100. O.I. Lyubimov, Tech. Sc. To S. M. Kuznetsov, Candidate of Publishing

CONTRACT: The collection is a summary of the proceedings of the Perovskaya  
Section of the Joint Conference of Specialists of the Academy of Sciences  
of the USSR and the Academy of Sciences of the USSR, held in Moscow  
in 1970. The collection contains the results of the work of the  
Perovskaya Section of the Academy of Sciences of the USSR, the  
Academy of Sciences of the USSR, and the Academy of Sciences of  
the USSR, held in Moscow in 1970. The collection contains the  
results of the work of the Perovskaya Section of the Academy of  
Sciences of the USSR, the Academy of Sciences of the USSR, and  
the Academy of Sciences of the USSR, held in Moscow in 1970.

SECTION III. PROCEEDINGS FOR THE DEVELOPMENT OF  
TECHNOLOGICAL RESEARCH IN EASTERN EUROPE

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USSR/Cultivated Plants - Fodders.

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Abs Jour : R. F. Zhur Bikov, No 18, 1969, 823-8

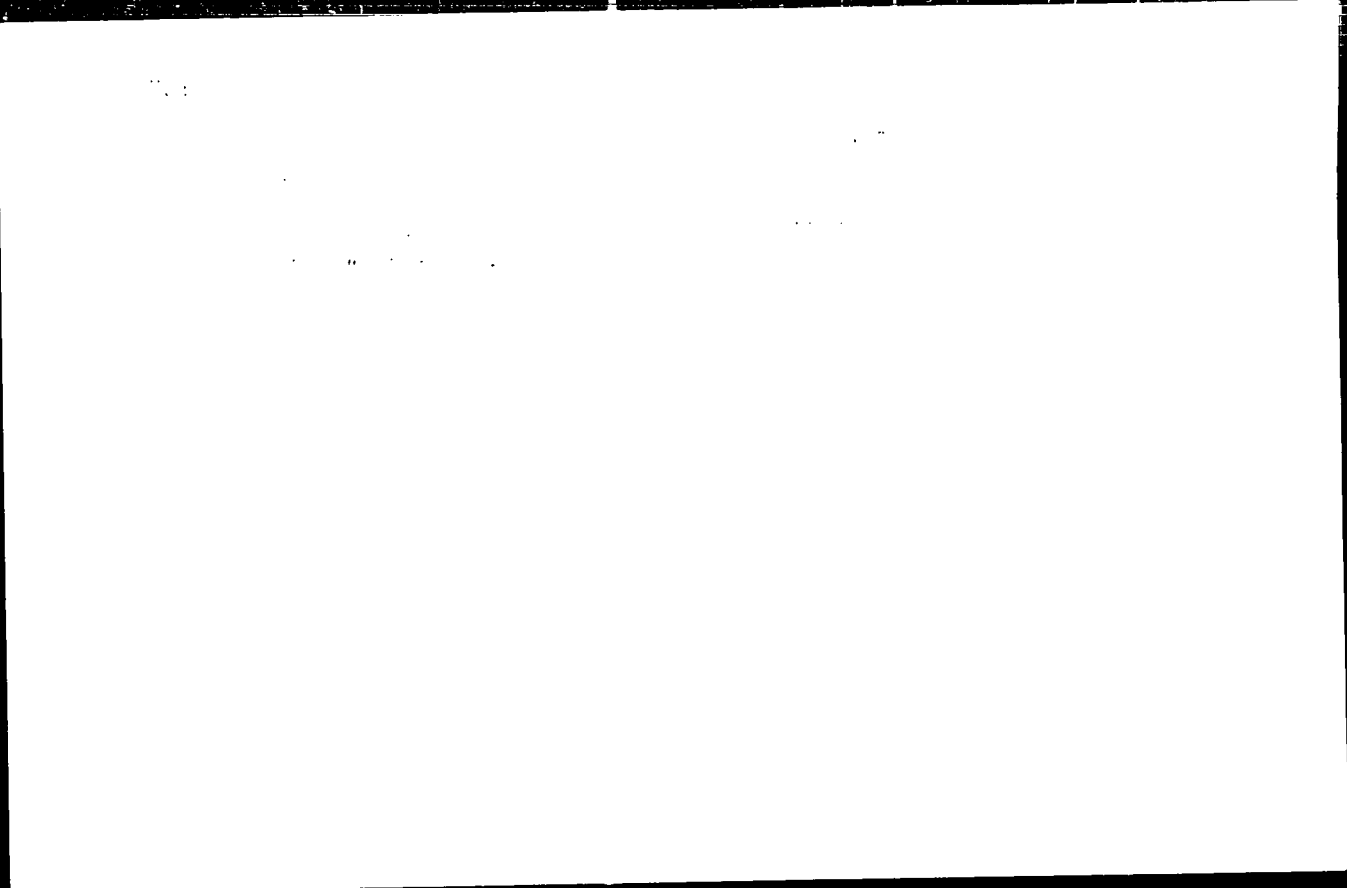
others. Biological characteristics of these plants are indicated. In the northern regions of the oblast it is possible to obtain high yields of the green stalk of corn (300 centners/ha and more) on the condition that there is a correct selection of plots, application to the soil of a sufficient amount of organic and mineral fertilizers, seed rate and a density of the plant stand and harvesting before the beginning of frosts. For planting in flower in the northern regions, seeds of the most productive varieties of wintering stalk flower should be brought in: Zhukovskiy 3231, VIIIMK 166, also, VIK, Saratovskiy 1-1 and Kirovskiy stalk flower varieties which produce high yields of green stalk and are capable of ripening for seeds should be propagated. For Jerusalem artichoke it is recommended to plant highly fertile plots outside of the crop rotation on large raising farms. - Ye.F. Litvik

Card 1/2

ALBANY, N.Y.; MARYLAND; ...; ...  
... I.D.

... Albany, N.Y. ...  
... Albany, N.Y. ...  
... Albany, N.Y. ...





OVSYANNIKOV, V.N.

Technical and economic effectiveness of diesel locomotive operation  
on the Ashkhabad Railroad. Zhel.dor.transp. 42 no.12:15-21 D '60.  
(MIRA 13:12)

1. Nachal'nik Ashkhabadskoy dorogi.  
(Turkmenistan--Diesel locomotives)



OVSYANNIKOV, V.N., inzhener (g. Ashkhabad); LARIN, V.N., inzhener  
(g. Ashkhabad).

High production utilisation of diesel locomotives. Zhel.dor.  
transp. 39 no.6:66-69 Je '57. (MLRA 10 7)

1. Nachal'nik Ashkhabadskoy dorogi (for Ovayannikov). 2. Nachal'nik  
lokomotivnoy sluzhby dorogi (for Larin).  
(Diesel locomotives)

LOVETSKAYA, A.A.; OVSYANNIKOV, V.P.; CHUKUNOVA, N.I.

Working out a method for identifying different fishes on echograms.  
Vop. ikht. no. 7: 139-148 '56. (MLRA 10:3)

1. Iz rabot Vsesoyuznogo nauchno-issledovatel'skogo instituta  
rybolovstva i okeanografii i Azerbaydzhanskogo otdeleniya Kaspiyskogo  
filiala Vsesoyuznogo nauchno-issledovatel'skogo instituta rybolovstva  
i okeanografii.

(Sonar in fishing)

OVSYANNIKOV, V.V.

Hydrodynamic method of forecasting humidity, cloudiness, and  
atmospheric precipitation. Izv. AN SSSR. Ser.geofiz. no.11:  
1684-1687 N'60. (MIRA 13:11)

1. Tsentral'nyy institut prognozov.  
(Weather forecasting)

OVSYANNIKOV, V. V.

Cand Phys-Math Sci - (diss) "Problez of numerical method of short-term forecast of humidity, cloudiness, and atmospheric precipitations." Moscow, 1961. 7 pp; (Moscow State Univ imeni M. V. Lomonosov, Physics Faculty); 200 copies; price not given; (KL, 7-61 sup, 21<sup>o</sup>)

OVSIANNIKOV, V.V.; MASHKOVICH, S.A., nauchnyy red.

Numerical prediction of humidity, cloudiness, and atmospheric  
precipitation. Trudy TSIP no.81:92-112 '61. (MIRA 14:8)  
(Weather forecasting)

OVSYANNIKOV, V.V.

Discussion on the problem of precipitation. Meteor. i gidrometeorol.  
no.3:67 Mr '62. (MIRA 1962)  
(Precipitation (Meteorology)--Congresses)

CVSYANNIKOV, V.V.

Use of a static equation for the calculation of temperature on standard isobaric surfaces. Trudy TGU no.128:120-125 '63. (MIRA 17:4)

OVSYANNIKOV, V.V.

Condensation of water vapor in the atmosphere and the calculation of precipitations. Meteor. i gidrol. no.1:30-35 Ja '64.  
(MIRA 17:3)

1. Tsentral'nyy institut prognozov.



NIKITENKO, Aleksandr Grigor'yevich, kand. tekhn. nauk, starshiy prepoavatel'  
OVSIANNIKOV, Vladimir Vasil'yevich, assistent.

Calculation of the dynamic characteristics of electromagnets  
with rectified voltage feed. Izv. vys. ucheb. zav. elektromekh.  
7 no.4:404-422 '64 (MIRA 17:7)

1. Kafedra elektricheskikh mashin, apparatov, matematicheskikh  
i schetnoreshayushchikh priborov i ustroystv Novocherkasskogo  
politekhnicheskogo instituta (for Nikitenko). 2. Kafedra avto-  
matiki i telemekhaniki Novocherkasskogo politekhnicheskogo in-  
stituta (for ovsvannikov).

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AUTHOR: Ovsyannikov, Ye. A., Engineer (Reviewer) 113-58-4-22/23

TITLE: Bibliography (Bibliografiya)

PERIODICAL: Mekhanizatsiya Trudoyemkikh i Tyazhelykh Rabot, 1953, Nr 4, page 46 (USSR)

ABSTRACT: This article is a review of the book "Novoye v organizatsii i tekhnike lesozagotovok" ("Innovations in the Organization and Technics of Lumbering") by D. K. Voyevoda and V. A. Gatskevich, published by Trudrezervizdat in 1957.

AVAILABLE: Library of Congress

Card 1/1 1. Literature-Industry-USSR 2. Periodicals-USSR

OVSYANNIKOV, Yu.N., insh.

New safety regulations for submarine oil well drilling. Bezop.  
truda v prom. 4 no.10:37 O '60. (MIRA 13:11)  
(Oil well drilling, Submarine--Safety measures)

OVSYANNIKOV, Yu.N., inzh.

Review of "Industrial safety in the petroleum industry." Bezop.truda  
v prom. 4 no.4:35 Ap '60. (MIRA 13:9)

(Petroleum industry--Safety measures)

DROGALIN, G.V., inzh.; OVSYZNNIKOV, Yu.N., inzh.

Eliminate accidents in operating equipment in oil fields. Bezop.  
truda v prom. 3 no.7:9-11 JI '59. (MLRA 12:11)  
(Oil fields--Safety measures)

OVSIANNIKOV, Yevgeniy Andreyevich; MYAGKOV, V.A., redaktor; PITERMAN, Ye.L.,  
redaktor izdatel'stva; SHITS, V.P. , tekhnicheskiy redaktor

[The experience of enterprises of the Transcarpathian Lumber Trust  
exploitation of mountain cutting-areas according to graphs of the  
cycle of operations; mechanizing the skidding of timber] Opyt  
predpriyatii tresta Zakarpatlesprom; (razrabotka gornykh lesossek  
po grafiku tsiklichnosti; mekhanizatsiia trelevki lesa). Moskva,  
Goslesbumizdat, 1956. 48 p. (MLRA 9:9)

(Transcarpathia--Lumbering)



OVSYANNIKOV, Ye.A.

Aerial cableway system with a carriage mounted skidder winch.  
Bum.i der.prom. no.4:59-60 O-D '62. (MIRA 15:12)  
(Timber—Transportation) (Cableways)

DROGALIN, G.V.; OVSYANNIKOV, Yu.H.

Republic conference on safety measures in geological surveys.  
Bezop.truda v prom. 4 no.2:38-39 F '60. (MIRA 13:5)  
(Geological surveys--Safety measures--Congresses)

OVSYANNIKOV, Yu.N., inzh.

An enterprise of communist labor. Bez.truda i prom. (1961-1962).  
"a '62. (MIRA 15:1)  
(Oktyabrskiy (Bashkiria)--Oil fields--Production methods)

OVSYANNIKOV, Yu.N., inzh.

New equipment for oil fields. Bezop.truda v prom 5 no.6:20-22  
Je '61. (MIRA 14:6)

(Oil fields--Equipment and supplies)

OVSIANNIKOV, Yu.N., inzh.

"New safety devices and appliances" by L.A. Kurashov, S.I.  
Sevost'ianov. Reviewed by Yu.N. Ovsianikov. Bezop.truda v  
prom. 3 no.3:36 Mr '59. (MIRA 12:4)  
(Oil fields--Safety measures)  
(Kurashov, L.A.) (Sevost'ianov, S.I.)

ОВСЯННИКОВ, П. В.

MINASYAN, T.S.; PAL'CHIKOV, G.F.; SEROV, V.V.; BOLOTOV, L.T.;  
OVSYANNIKOV, P.V.; RUSAKOV, A.P.

Means for increasing raw material resources for the production of  
diesel fuels. Azerb. neft.khoz. 36 no.9:33-36 S '57.

(MIRA 11:2)

(Diesel fuels)

~~OVSYANNIKOV, V.N., inzh.; LARIN, V.N., inzh.; BELEN'KIY, A.D., inzh.; MAKHNO,~~  
~~I.D., inzh.; BOGDANOV, I.D., inzh. (Ashkhabad); MANKULOV, R.G., dots.~~  
(Tbilisi).

Textbook on diesel locomotives ("The diesel locomotive industry."  
G.S. Ryleev and others. Reviewed by V.N. Ovsianikov and others).  
Zhel. dor. transp. 39 no.12:89-90 D '57. (MIRA 11:1)  
(Diesel locomotives) (Ryleev, G.S.)

S/0050/64/000/001/0030/0035

ACCESSION NR: AP4010574

AUTHOR: Ovsyannikov, V. V.

TITLE: Condensation of water vapor in the atmosphere and computations on clouds

SOURCE: Meteorologiya i gidrologiya, no. 1, 1964, 30-35

TOPIC TAGS: water vapor, condensation, atmosphere, cloud, turbulent diffusion, vapor tension, weather forecasting, adiabatic expansion, radiation, specific humidity, specific thermal capacity, thermal conductivity, geopotential

ABSTRACT: Saturation of water vapor in the atmosphere occurs chiefly by cooling and by turbulent diffusion. Cooling of the air may take place by adiabatic expansion, radiation, and the thermal conductivity. Considering these factors, the author derives equations for computing the amount of condensed moisture in a cubic centimeter after a second of time. The general form for this equation is

$$m = -K_1 \tau - K_2 (e_1 + e_2) + K_3 D_0$$

where

$$K_1 = \frac{q_{max}}{RT} \left[ \frac{1150.6T - (T-38)^2}{(T-38)^2 + 9560.6 q_{max} (1320.3 - T)} \right];$$

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ACCESSION NR: AP4010574

$$K_s = \frac{B}{(752.6 - 0.57 T)(B + 1)}$$

$$K_s = \frac{0.623 E (2B + 1)}{B + 1} \left[ \frac{4.8 \cdot 10^{-14}}{T^3} - \frac{0.57 \cdot 10^{-10}}{T^2 (T - 38)^2} - \frac{0.1 \cdot 10^{-10}}{T (T - 38)^2} + \frac{2.03 \cdot 10^{-8}}{T (T - 38)^4} \right]$$

where  $q_{max}$  is the specific humidity (maximum),  $B = \frac{q_{max} L}{c_p (T - 38)^2}$ ,  $c_p$  is the specific thermal capacity of air at constant pressure,  $L$  is the latent head of condensation,  $E$  is the water vapor pressure at saturation,  $\tau$  is the vertical velocity of a particle,  $D_2$  is the coefficient of vertical turbulent diffusion,  $T$  is the absolute temperature, and  $\epsilon_1$  and  $\epsilon_2$  represent energy loss from  $1 \text{ cm}^3$  per second through radiation and thermal conductivity, respectively. When all factors are not effective, the expression may be considerably simplified. The author examines several limiting cases and derives an expression permitting prediction

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ACCESSION NR: AP4010574

of amount of precipitation for any given period. For a 12-hour period this expression is

$$S = - \left[ \bar{K}_1 (H_{800}^n + H_{800}^n - H_{1000}^n - H_{1000}^n) (\tau_{800} + \tau_{800}) + \bar{K}_2 (H_{700}^n + H_{700}^n - H_{850}^n - H_{850}^n) (\tau_{850} + \tau_{700}) + \bar{K}_3 (H_{500}^n + H_{500}^n - H_{700}^n - H_{700}^n) (\tau_{700} + \tau_{800}) \right] 25 \cdot 10^{-6} \text{ (M.M.)}$$

where  $H^H$  is the geopotential at the beginning of the period,  $H^K$  the geopotential at the end of the period (12 hours in this expression), and subscripts refer to isobaric surfaces (in millibars). For effective use of this forecasting formula, more precise measurements on humidity and temperature are required. If an error in determining temperature deficit is as great as  $3^{\circ}$  (as it frequently is in practice), even moderate rainfall may be overlooked in prediction. The author concludes that, with better measurements of these required factors, prediction

Cord 3/4

ACCESSION NR: AP4010574

may be greatly improved. Orig. art. has: 4 tables and 17 formulas.

ASSOCIATION: Tcentral'nyy institut prognozov (Central Forecasting Institute)

SUBMITTED: 00

DATE ACQ: 14Feb64

ENCL: 00

SUB CODE: AS

NO REF SOV: 000

OTHER: 000

Card 4/4

DEMENT'YEV, V.A., inzh., FRANKLIN, A. Ya., inzh.; OVSYANNIKOV, Yu.B.,  
inzh.

Study of the control system of a once-through type boiler-  
turbine unit with subcritical steam parameters. Teploenergetika  
11 no.6:6-11 My'64. (MIRA 17 5

1. Gosudarstvennyy vsesoyuznyy tsentral'nyy nauchno-  
issledovatel'skiy institut kompleksnykh avtomatizatsii.

NOVIKOV, M. M., inzh.; OVSYANNIKOV, Yu. N., inzh.

Problems of safety engineering at the Third Congress of the  
Trade Union of Petroleum and Chemical Industries Workers.  
Bezop. truda v prom. 6 no.9:38-39 S '62.

(MIRA 16:4)

(Industrial safety)

OVSYANNIKOV, Yu.N.

State Committee on fuel production attached to the State  
Planning Committee of the Council of Ministers of the U.S.S.R.  
Neftianik 8 no.6:27 Je '63. (MIRA 16:11)

KUTUKOV, A.I., red.; GARKALENKO, K.I., red.; GORBACHEV, I.V., red.; YERMAKOV, P.I., red.; OVSIANNIKOV, Yu.N., red.; PILYUGIN, B.A., red.; RODIONOV, I.S., red.; RODIONOV, A.N., red.; SEREBRIN, I.Ya., red.; GUSEV, M.S., red. izd-va.; PROZOROVSKAYA, V.L., tekhn. red.; SABITOV, A., tekhn. red.

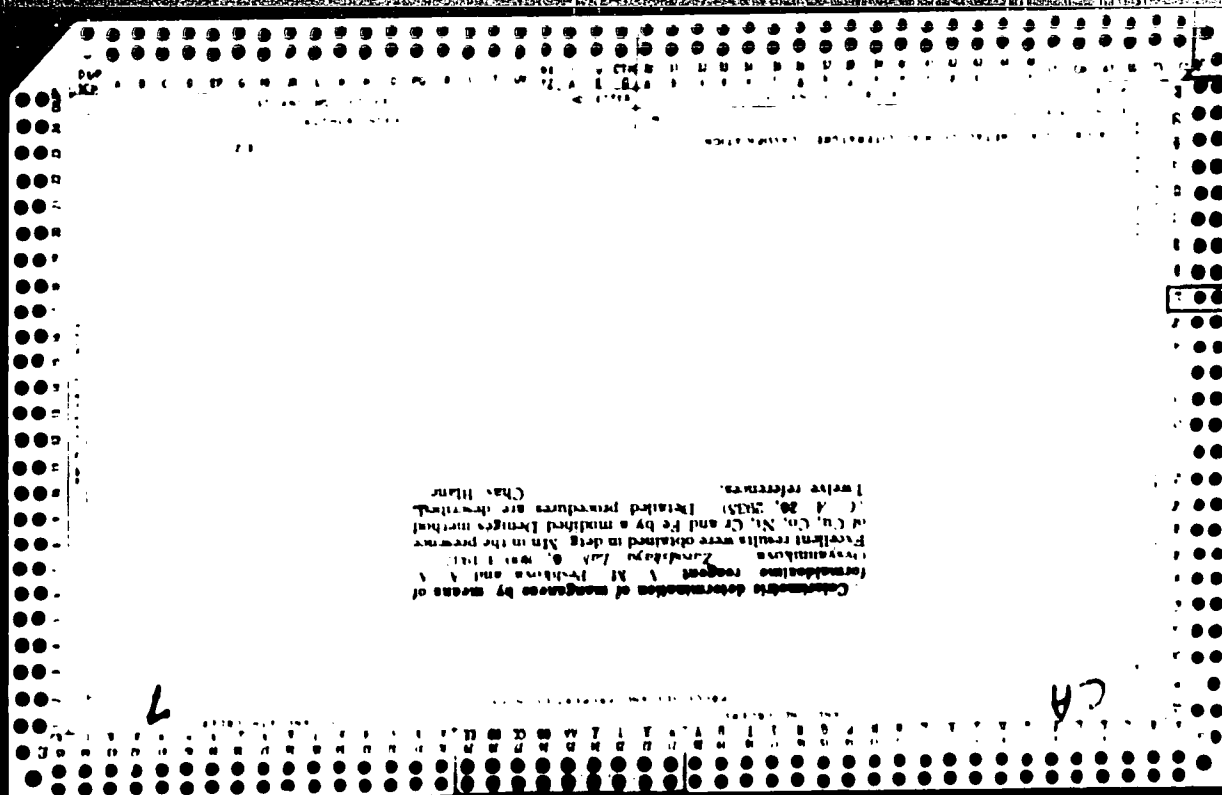
[Uniform safety rules for geological surveying; compulsory for all ministries, economic councils, departments, organizations, and enterprises conducting geological studies] Edinye pravila bezopasnosti pri geologorazvedochnykh rabotakh; obiazatel'ny dlia vsekh ministerstv, sovmarkhozov, vedomstv, organizatsii i predpriatii, vedushchikh geologicheskie raboty. Moskva, Ugletekhizdat, 1958. 102 p. (MIRA 11:12

1. Russia (1923- U.S.S.R.) Komitet po nadzoru za bezopasnym vedeniyem rabot v promyshlennosti i gornomu nadzoru.  
(Geological surveys)

OVSYANNIKOV, Yu.N., insh.

~~Experience~~ Experience in an advanced oil-field in Bashkiria. Bezop.truda v prom.  
2 no.9:28-29 S '58. (MIRA 11:9)  
(Bashkiria--Oil fields)





MARGOLIN, A.M.; ANISIMOVA, N.A.; MEDVEDKOVA, A.A.; OVSYANNIKOVA  
(Leningrad)

Use of nystatin in clinical internal diseases. *Klin.med.* 39  
no.3:71-74 Mr '61. (MIRA 14:3)

1. Iz Leningradskogo nauchno-issledovatel'skogo instituta anti-  
biotikov (dir. - dotsent A.V. Loginov).  
(NYSTATIN)

OVSYANNIKOVA, A.G., spets. rod.; VALENKOVA, L.A., red.; UMARDZHANOV, K.,  
tekh. red.

[Cotton growing in Uzbekistan in 1960] Proizvodstvo khlopka v Uz-  
bekistane v 1960. godu. Tashkent, 1961. 63 p. (MIRA 14:11)

1. Uzbek S.S.R. Ministerstvo sel'skogo khozyaystva.  
(Uzbekistan—Cotton growing)

USSR/Physics - Electron scatter

FI-2342

Card 1/1 Pub. 146 - 7/34

Author : Ovsyannikova, I. A., and Shirobokov, M. Ya.

Title : ~~Dynamic theory of scatter~~ Dynamic theory of scatter of electrons in crystals

Periodical : Zhur. eksp. i teor. fiz. 28, 695-698, Jun 1955

Abstract : On the basis of the dynamic theory of scattering of electrons in crystals in the presence of two strong beams the authors obtain a formula for the intensities of the symmetrically scattered beams of fast electrons. They consider scattering in convergent rays. They thank Professor Z. G. Pinsker. Five references, including two USSR: Z. G. Pinsker, Difraktsiya elektronov [Diffraction of electrons], Acad. Sci. USSR Press, 1949; Z. G. Pinsker and B. K. Vaynshteyn, Acad. Sci. USSR Press, Vol. 14, 2, 1950.

Institution : Gor'kiy State University

Submitted : May 10, 1954

СЫСЬАК НАУКА

PHASE I BOOK EXPLOITATION

SOV/4557

Akademiya nauk SSSR. Institut metallurgii

Metallurgiya, metallovedeniye, fiziko-khimicheskiye metody issledovaniya (Physicochemical Research Methods in Metallurgy and Metal Science) Moscow, Izd-vo AN SSSR, 1960. 151 p. (Series: Its: Trudy, vyp. 6) 3,000 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Institut metallurgii imeni A.A. Baykova.

General Ed.: I.P. Bardin, Academician (Deceased); Resp. Eds. for this Vol.: I.B. Borovskiy, Doctor of Physics and Mathematics, and K.P. Gurov, Candidate of Physics and Mathematics; Ed. of Publishing House: K.P. Gurov, Candidate of Physics and Mathematics; Tech. Ed.: O.M. Gus'kova.

PURPOSE: This collection of articles is intended for researchers in metallurgy and metal science and for scientists engaged in developing physicochemical methods of analysis.

Card 1/6

Physicochemical Research Methods (Cont.)

SOV/4557

COVERAGE: The collection contains 21 studies by members of the Laboratoriya fizicheskikh metodov issledovaniya (Laboratory of Physical Analysis Methods) of the Institut metallurgii imeni A.A. Baykova AN SSSR (Metallurgical Institute imeni A.A. Baykov, Academy of Sciences USSR), published in 1958-59. The articles are concerned with the experimental and theoretical study of physical characteristics of diluted solid solutions and compounds with special properties. The purpose of these studies is to establish the interrelation between the electronic structure of atoms and the structural characteristics of metallic compounds of systems. Some of the articles contain results obtained by applying new physical analysis methods, including the x-ray spectrum method (for analyzing the composition of microvolumes of alloys) and the microfocused x-ray spectroscopic method. Other articles describe the new RSASH-2 and RSASH-ZD apparatus used in the analysis. The first article, by I.B. Borovskiy, deals with the accomplishments and trends of Soviet research in metal science and metallurgy. References accompany each article. Also included is a bibliography containing 383 works by members of the Metallurgical Institute imeni A.A. Baykov. This bibliography was first published in 1956.

Card 2/6

BOROVSKIY, I.B., OVSIANNIKOVA, I.A.

Investigating the x-ray spectra of the CuS superconducting  
compound. Trudy Inst. met. no.6:49-53 '60. (MIRA 13:8)  
(Superconductivity) (Spectrum, X-ray)

80897

Investigation of the Fine Structure of  
the X-Ray K-Spectra of Some SulfidesS/048/60/024/04/08/009  
B006/B017

of the X-ray emission and absorption spectra of both components in CuS and NiS (the latter in two crystalline modifications) and, for reason of comparison, also the fine structure of the spectra of pure metals. All measurements were carried out by means of the same instrument and with the same reference lines. The spectra were recorded in a vacuum X-ray spectrograph with quartz crystal (radius of curvature 500 mm, focusing by the Kapitza-Iogann method), with photographic recording. The sulfur spectra were produced in first-order reflection at the (10 $\bar{1}$ ) plane, that of copper at the (1 $\bar{3}$ 40) plane of the rhombohedral crystal. The most favorable absorber thickness for recording details of fine structure was - as shown by calculations and experiments - 1-1.5 mg/cm<sup>2</sup> for sulfur, and 4-5 mg/cm<sup>2</sup> for copper. Hence, for investigating the sulfur spectrum the absorber thickness was 4 mg/cm<sup>2</sup>, and for investigating that of Ni and Cu it was 6-7 mg/cm<sup>2</sup>. [Abstracter's note: The authors always use the term density, the data, however, refer to the thickness of the samples]. Table 1 shows the values of wavelengths averaged from the results of 3-5 measurements. Fig. 1 shows the absorption- and emission spectra of pure copper, sulfur, and CuS. A great number of details on the shape of the spectra is discussed. Furthermore, the K $\beta_1$  line of Cu ✓

Card 2/4

80897

Investigation of the Fine Structure of  
the X-Ray K-Spectra of Some Sulfides

S/048/60/024/04/08/009  
B006/B017

structure of the K-spectra of Ni were made in superconductive NiB<sub>2</sub>  
(Fig. 6) V A. Batyrev is mentioned There are 6 figures, 2 tables,  
and 9 references. 5 Soviet, 3 American, and 1 German

ASSOCIATION: Institut metallurgii im A A Baykova Akademii nauk SSSR  
(Institute of Metallurgy imeni A A Baykov of the Academy  
of Sciences, USSR)

---

Card 4/4



S/200/61/000/011/001/005  
D202/D304

AUTHOR: Ovayannikova, I.A.  
TITLE: A study of the X-ray spectra of NiS  
PERIODICAL: Akademiya nauk SSSR, Sibirskoye otdeleniye, Izvestiya,  
no. 11, 1961, 80-87

TEXT: In order to elucidate the nature of the chemical bonds in NiS the author investigated X-ray spectra of elemental Ni and S, and of their compounds: Millerite and another sulphide of the NiAs type. These sulphides were obtained by a previously described method. Their diffraction patterns showed well defined one-phase systems and their chemical analysis a stoichiometric ratio of compounds, with very small amounts of impurities: Mg, Cu, Fe, Al and Ti. The X-ray spectra determinations were carried out with a Johannes spectrograph of high resolving power. The results are tabulated. It was found that 1) K - borders of absorption of pure S and S in millerite are very similar, but the K-border in millerite is shifted towards long wavelengths; 2) the ratio of emission

Card 1/3

A study of the ...

S/200/61/000/011/001/005  
D202/D304

and 10 non-Soviet-bloc. The 4 most recent references to the English-language publications read as follows: I. Valasek, Phys. Rev. 51, 832 (1937); D. Tomboulian and W. Cady, Phys. Rev. 60, 551, (1941); J.R. Reitz, Phys. Rev. 105, 1233, (1957); S.C. Abrachams, Acta Cryst. 8, 661, (1955)

ASSOCIATION Institut neorganicheskoy khimii Sibirskogo otdeleniya  
AN SSSR, Novosibirsk (Institute of Inorganic Chemistry of  
the Siberian Department, AS USSR, Novosibirsk)

SUBMITTED November 10, 1960

L 43849-65 BT(m)/BWP(t)/BWP(b) IJP(c) JD/JJ  
ACCESSION NR: AP4048780 S/0126/64/018/004/0637/0639

25  
23  
B

AUTHOR: Ovsyannikova, I. A.; Vaynshteyn, E. Ye.; Samsonov, G. V.

TITLE: X ray L<sub>III</sub> absorption spectra of lanthanum and cerium in some of their compounds with nonmetals

27 27

SOURCE: Fizika metallov i metallovedeniye, v. 18, no. 4, 1964, 637-639

TOPIC TAGS: x ray absorption spectrum, lanthanum compound, cerium compound, chemical bond, lanthanum carbide, cerium carbide, lanthanum sulfide, cerium sulfide

ABSTRACT: The author has shown in his book (Refractory Compounds of the Rare-Earth Metals with Nonmetals, Moscow, Metallurgizdat, 1964) that the compounds of the rare-earth metals with phosphorus, sulfur, and carbon are characterized by a mixture of different types of chemical bonds, that is, in addition to the ionic type, there are frequently covalent, or metallic interaction between the atoms. In the present work, the x-ray L<sub>III</sub> absorption spectra of lanthanum and cerium compounds (certain phosphides, sulfides, oxysulfides, and carbides)

Card 1/2

3 43819-65

ACCESSION NR: AP4048780

2

were investigated. The spectra were compared with the spectrum of the element in the oxide form. The structure of all these spectra is similar, but the absorption edge is shifted, very little in carbides, much more in sulfides. This is attributed to an increased valence state of the rare-earth metal in transition from a semiconductor to a metallic state. Orig. art. has: 3 figures.

ASSOCIATION: Institut neorganicheskoy khimii SO AN SSSR (Institute of Inorganic Chemistry, SO AN SSSR); Institut metallokeramiki i spetsialnykh splavov AN UkrSSR (Institute of Powder Metallurgy and Special Alloys, AN UkrSSR)


SUBMITTED: 14Feb64

ENCL: 00

SUB CODE: GC, SS

NR REF SOV: 004

OTHER: 000

  
Card 2/2

1 11659-66 EWT(m)/EWP(j)/T/EWP(t)/EWP(x)/EWP(b)/EWA(c) IJP(c)/RFL JD/WH/JW/WH/RM

ACC No. AP6001733

SOURCE CODE: UR/0020/65/165/004/0855/0856

AUTHOR: <sup>44/55</sup> Batcenov, S. S.; Ovsyannikova, I. A. <sup>44/55</sup>

ORG: Institute of Inorganic Chemistry of the Siberian Department of the Academy of Sciences SSSR (Institut neorganicheskoy khimii Sibirskogo otdeleniya Akademii nauk SSSR) <sup>44/55</sup>

TITLE: X-ray determination of charge distribution in <sup>27</sup>nickelcene and nickelcenium

SOURCE: AN SSSR. Doklady, v. 165, no. 4, 1965, 855-856

TOPIC TAGS: nickel compound, sandwich compound, ~~diacyclopentaadienylnickel~~, x-ray spectrum, charge distribution, ~~molecular orbital~~ calculation, ~~electronegativity~~

ABSTRACT: Calculations of charge distribution in <sup>7</sup>nickelcene and nickelcenium by the MO method and by that of electronegativities led to divergent results. It appeared of interest to subject the problem to experimental verification. Nickelcene was furnished by another laboratory and nickelcenium triphenylborate was prepared by the authors. <sup>31/41</sup> X-ray K-absorption spectra of both compounds were taken. Analysis of the spectral data showed that the effective charges, determined by the redistribution of the valence electrons of nickel in the course of bonding, are +1.2 for nickelcene and +1.15 for nickelcenium. The experimental results show that the charge distribution values calculated from electronegativities are in better agreement with the actual values. Orig. art. has: 1 figure. [VS]

Card 1/2

REG: 541-49-341 20

KHACHATUR'YAN, G.Kh., prof.; ORLOVA, K.Ye., kand.med.nauk;  
OVSYANNIKOVA, I.D. [deceased], assistant

Condition of the liver and its role in the pathogenesis and  
treatment of lupus erythematosus discoides. Vest.derm.i ven.  
no.9:26-28 '61. (MIRA 15:5)  
(LUPUS) (LIVER)

Experiments on the maceration of hemp under the conditions of the maximum  
fermentation of sludge. K. A. OVRANNIKOVA. *Izv. vuzovskikh nauchnykh i issledovaniy*  
*seriya Khim. i biokhim. nauchnykh i issledovaniy* (Moscow) No. 12, 124 (1961) Dept. Sci. Ind. Resear. Water Pollution Resear. an  
Summary of Current Lit. 6, 106. During the CH<sub>4</sub> fermentation of sewage sludge an  
intensive decarboxylation of fatty acids takes place but on account of a considerable bicarbonate  
and phosphate content the pH of the fermenting liquid remains constant at 7.5. It has  
been found that the maceration of hemp carried out in such a fermenting sewage sludge at 12°C  
the acid content did not increase toward the end of the maceration period, the pH  
varied only slightly and no H<sub>2</sub> was evolved. The maceration was complete after 4  
days compared with the 8-10 days required under normal conditions. At 10.5°C the  
maceration can be carried out in 25 hrs. The liquid over flowing from the digestion  
tanks and containing very little sludge was also very suitable for the hemp maceration.

BAKHMAN, Varvara Ivanovna; OVSYANNIKOVA, Klavdiya Andreyevna; NEVRAYEV,  
G.A., red.; PALEY, P.N., red.

[Analysis of therapeutic muds (peloids)] Analiz lechebnykh  
griazel (peloidov). Moskva, Medgiz, 1960. 130 p. (MIRA 13:9)  
(BATHS, MOOR AND MUD)



DVSYANNIKOVA, L. A.

✓ The dynamic theory of electron scattering in crystals.  
L. A. Dvyanikova and M. Ya. Shirobokov. *Soviet Phys.*  
1977, 1, 488-491 (1978) (Engl. translation).—See C.A. 50,  
49h. H. M. R. ①

ROD W  
1978

SOKOLOVA, T.A.; OVSIANNIKOVA, L.A.

Synthesis of N-substituted acrylamides. Izv. AN SSSR. Ser.khim.  
no.9:1658-1659 S 1963. (MIRA 16:?)

1. Institut vysokomolekulyarnykh soedineniy AN SSSR.  
(Acrylamide)

SOKOLOVA, T.A.; KOL'TSOV, A.I. ZAPEVALOVA, N.P.; OVSYANNIKOVA, I.A.

Interaction of N,N-dimethylhydrazine with derivatives of  $\alpha, \beta$ -unsaturated  
Bull. Acad. Sci. Div. Chem. USSR. Ser. Chem. no.9:1727 S '64. (MIRA 1:10)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.

A ; NIKITIN, V.N.

L 52012-65 EWT(1) Pq-4 IJP(c)  
ACCESSION NR: AP5012061

UR/0057/65/035/005/0940/0946

AUTHOR: Ovsyannikova, L.P.; Yavor, S.Ya.

30  
29  
B

TITLE: Third order aberrations in the width of a linear image formed by a composite quadrupole lens 21

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 35, no. 5, 1965, 940-946

TOPIC TAGS: electron optics, magnetic quadrupole lens, electrostatic quadrupole lens, spherical aberration, astigmatism, coma, distortion

ABSTRACT: The authors calculate the third order aberrations of a composite electrostatic and magnetic quadrupole lens in which the axial distributions of the electric and magnetic fields are described by the same distribution function, but in which the two fields may have different strengths. The third order trajectory equations given by A.D.Dymnikov, T.Ya.Fishkova, and S.Ya.Yavor (ZhTF, 34, 1711, 1964) are solved by the variation of constants method and the ten third-order aberration coefficients are calculated. The effect of a diaphragm is considered and the aberrations are separated into spherical aberration, astigmatism and field curvature, coma, and distortion. In spite of the presence of a magnetic field, there are no

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L 52012-65

ACCESSION NR: AP8012061

third-order anisotropic aberrations. Two simplified cases are discussed: that of a "two-dimensional" lens, in which the lens is infinitely long, containing the object and image planes within it, and the fields are uniform on the axis, and that of a thin lens. Six of the ten aberrations of a "two dimensional" lens reduce in the case of a purely electrostatic lens to those given by A.M.Strashkevich (ZhTF, 34, 1401, 1964), but four of them, relating to astigmatism and coma, do not. The discrepancy is due to errors in Strashkevich's calculations. In the case of a thin lens all the third-order aberrations except spherical aberration can be made to vanish by placing the stop at the center of the lens and properly choosing the ratio of electric to magnetic field strength. Orig. art. has: 19 numbered formulas.

ASSOCIATION: Fiziko-tekhnicheskiy institut im. A.F.Ioffe AN SSSR, Leningrad  
(Physico-technical Institute, AN SSSR)

SUBMITTED: 30Nov64

ENCL: 00

SUB CODE: OP

MR REF SOV: 005

OTHER: 000

Card 2/2 7/16

L 13253-65 EWT(m)/ENP(t)/ENP(b) Pad ASD(m)-3/AFTC(p) JD/HW/JG  
ACCESSION NR: APL047695 8/0304/64/000/005/0071/0072

AUTHORS: Tsupak, T. Ye. (Engineer); Kudryavtsev, N. T. (Doctor of chemical sciences); Ovsyannikova, L. V. (Engineer) B

TITLE: Nickel-chromium alloy coating, 4

SOURCE: Mashinostroyeniye, no. 5, 1964, 71-72

TOPIC TAGS: electroplating, nickel alloy, chromium alloy, metal coating

ABSTRACT: The conditions for electroplating of Ni-Cr alloys from solutions containing trivalent Cr in complicated combinations with glycol were experimentally investigated. Three, 4, and 6 gram-moles of glycol were used for 1 gram-atom of Cr in sulphate, chloride, and mixed solutions at 20-40C. The percentage of Cr in the deposit and the yield was measured as a function of Ni concentration in the solution, and the properties of the coating were observed as a function of plating thickness. The effects of additives such as ammonia ions were also investigated. It was found that the best electrolyte for plating with Ni-Cr alloys (10-16% Cr) should contain 160 g/ltr chromium sulphate (2n.), 240 g/ltr nickel chloride (2 n.) and 200 g/ltr glycol. The solution should be at 40C and have a pH of 2.0-2.7. Operation with the above electrolyte over an extended period of time (50 amp - hr/ltr) using a pure Ni anode and 20-30 amp/dm<sup>2</sup> gave a constant yield of 30-32% if

Card 1/2

L 13253-65

ACCESSION NR: AP4047695

the pH was periodically corrected. Orig. art. has: 2 figures.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: MM

NO REF SOV: 000

OTHER: 000

Card 2/2



SOKOLOVA, T.A.; OVSYANNIKOVA, L.A.

Synthesis and properties of 1-dimethylamino-3-methyl-2-azetidinone.  
Dokl. AN SSSR 143 no.1:140-142 Mr '62. (MIRA 15:2)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.  
Predstavleno akademikom A.Ye.Arbutovym.  
(Azetidinone)

AUTHORS: Sokolova, T. A. Goryainov, L. A.

TITLE: The synthesis of the N-Substituted Methacrylamides and N-Formylmethacrylamide. IV. The Reaction of Aromatic Amines With the Chloroanhydride of Methacrylic Acid in Aqueous Medium. IV. Aromatic amines and their chloroanhydride methacrylamide synthesis.

PERIODICAL: Zhurnal Obshchei Khimii, 1966, V. 36, No. 1, p. 111-112, USSR

ABSTRACT: The observed differences between the hydrolysis of the chloroanhydride of methacrylic acid and that of its analogs on aromatic amines enabled the authors to try the synthesis of methacrylamides by the reaction of the anhydride with aromatic amines. The results of the experiments showed that methacrylamides were produced among aromatic amines (references 1,2). The experiments proved that the N-substituted methacrylamides can be obtained with yields in the range of 1-11% from one mole of chloroanhydride of methacrylic acid and one mole of aromatic amine, consisting of a mole of the aromatic amine and water and of subsequent acid workup. The second mole of aromatic amine in the molecule of hydrochloride separating in the reaction.

Card 1/3

The Synthesis of the N-Substituted Methacrylamides. IV. 7  
Acylation of Aromatic Amine With the Chloride Anhydride of Methacrylic  
Acid in Aqueous Medium

entering the aqueous solution as hydrochloride salt, formed N-acylmethacrylamide. The reaction of this salt with acryloyl chloride in the presence of the extra... The reaction product... point and... to be obtained... way... of the... acylation... of... amine... color... methacrylamide... methyl... -dimethyl... carbon... was tried with... yet... -fluore... methacrylamide... ion of...

Card 2/3

The Synthesis of the Acetyl Chloride Derivatives of  
Acylation of Aromatic Acids with Acetyl Chloride in  
Acid in Aqueous Medium

and in the presence of methanol.  
There are no references cited.

ASSOCIATION: Institute of Organic Chemistry, Academy of Sciences  
of the Czech Republic, Prague, Czechoslovakia

SUBMITTED: February 19, 1967

Card 3/3

SOKOLOVA, T.A.; OVSYANNIKOVA, L.A.

Synthesis of N-substituted methacrylamides. Part 4: Acylation of the aromatic amines by methacrylic acid chloranhydride in aqueous media. Zhur. ob. khim. 28 no.3:779-782 Mr '58.

(MIRA 11:5)

1. Institut vysokomolekulyarnykh soedineniy Akademii nauk SSSR.  
(Amines) (Methacrylic acid)

SOKOLOVA, T.A.; OVSYANNIKOVA, L.A.; TIKHODEYEVA, I.I.

Synthesis of N-substituted methacrylamides. Part 7. Zhur. ob.  
khim. 33 no.5:1502-1504 My '63. (MIRA 16:6)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.  
(Methacrylamide)

SOKOLOVA, T.A.; CHETYRKINA, G.M.; OVSYANNIKOVA, L.A.

Polymerization of N-substituted methacrylamides. Part 4. Vysokom.  
soed. 3 no.4:582-584 Ap '61. (MIRA 14:4)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.  
(Methacrylamide)

YAVOR, S.Ya.; DYMIKOV, A.D.; OVSYANNIKOVA, L.P.

Experimental study of a quadrupole lens with zero or negative chromatic aberration. Zhur. tekhn. fiz. 39 no.1:99-104 Ja '64. (MIRA 17:1)

1. Fiziko-tekhnicheskiy institut imeni A.F.Ioffe AN SSSR, Leningrad.



DYMNIKOV, A.D.; OVSYANNIKOVA, L.P.; YAVOR, S.Ya.

Systems of quadrupole lenses. Zhur. *tekh. fiz.* 33 no.4:393-397  
Ap '63. (MIRA 16:9)

1. Fiziko-tekhnicheskii institut imeni A.F.Ioffe AN SSSR,  
Leningrad.

(Lenses)

KEL'MAN, V.M.; YAVOR, S.Ya.; DYMNIKOV, A.D.; OVSYANNIKOVA, L.P.

Achromatic quadrupole lenses. Izv. AN SSSR. Ser. fiz. 27 no. 3:  
1135-1138 S '63. (MIRA 16:3)

1. Fiziko-tehnicheskii institut im. A.F.Ioffe AN SSSR.  
(Electron optics)

B/057/63/033/004/004/021  
B187/B102

**AUTHORS:** Dyanikov, A. D., ~~Ovsyannikova, L. P.~~, and Yavor, S. Ya.

**TITLE:** Systems of quadrupole lenses

**PERIODICAL:** Zhurnal tekhnicheskoy fiziki, v. 33, no. 4, 1963, 393 - 397

**TEXT:** The paper contains the results of calculations for "pseudostigmatic" systems composed of two or four quadrupole lenses of different lengths and giving a point-shaped image of a point-shaped object. The magnification of the system, in the case of the doublet, differs in both planes. This difference can be eliminated in a four-lens system. Conditions for the doublet for point-point image

$$\frac{s + \frac{1}{F_1} \text{th } \beta_1 d}{F_2 \text{th } \beta_2 d + 1} = \frac{s + \frac{1}{F_1} \text{th } \beta_1 b}{F_2 \text{th } \beta_2 b - 1} = s, \quad (4)$$

$$\frac{s + \frac{1}{F_1} \text{th } \beta_1 d}{F_2 \text{th } \beta_2 d - 1} = \frac{s + \frac{1}{F_1} \text{th } \beta_1 b}{F_2 \text{th } \beta_2 b + 1} = s. \quad (5)$$

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B/057/63/033/004/004/021  
B187/B102

**Systems of quadrupole lenses**

$a$  denotes the distance of the point-shaped object from the first lens;  $b$  and  $d$  are the lengths of the lenses and  $s$  is their distance;  $g$  is the distance between the image and the second lens;  $\beta_1, \beta_2$  characterize the optical power of the lenses, the first of which focuses and the second one diffracts. If (4) is valid the beam coordinates, at given  $g$ , are independent of the divergence of the beam in the  $x, y$  plane. In the image plane the linear image is parallel to the  $y$ -axis. Equation (5) gives the position of the linear image parallel to the  $x$ -axis. If (4) and (5) are fulfilled simultaneously, then the mapping is point-shaped. The magnifications are

$$\left. \begin{aligned} M_x &= \frac{\cos \beta_1 d + \beta_2 g \sin \beta_1 d}{\cos \beta_1 b - \beta_2 \sin \beta_1 b} \\ M_y &= \frac{\cos \beta_2 d - \beta_1 g \sin \beta_2 d}{\cos \beta_2 b + \beta_1 \sin \beta_2 b} \end{aligned} \right\} (6)$$

A table gives the calculated numerical values for different cases:

$\frac{a}{b} = 0, 0.5, 1; \frac{d}{b} = 0, 0.5, 1; \frac{g}{b} = 1, 2, 4; \frac{d}{g} = 1, 2, 4$ . If the distances

Card 2/3

**Systems of quadrupole lenses**

S/057/63/033/004/004/021  
B187/B102

are the same but if the lens excitation is increased a point-shaped image can be obtained in the same plane but with different values of magnification. In a second table the pertinent numerical values are tabulated. The four-lens system is composed of two identical doublets arranged at a distance  $a + g$  in series. The field of the second doublet is turned by  $90^\circ$  with respect to the first one. The beam emerging in a again is focused at a distance  $g$  behind the second system. The magnification  $M$  varies from 1 to 27 and can be increased. Such systems of quadrupole lenses can be used also for electron or ion microscopes and permit reduction of spherical and chromatic aberration. There are 3 figures and 2 tables.

**ASSOCIATION:** Fiziko-tekhnicheskiy institut im. A. F. Ioffe AN SSSR, Leningrad (Leningrad Physicotechnical Institute imeni A. F. Ioffe, AN USSR)

**SUBMITTED:** April 9, 1962

Card 3/3

GORYUNOVA, S.V.; RZHANOVA, G.N.; OVSYANNIKOVA, M.N.; ORLEANSKIY, V.K.;  
KABANOV, V.V.

Role of synchronous cultures in the study of the biology of  
Chlorella and their practical use. Mikrobiologiya 31 no.6:  
1107-1121 N-D '62. (MIRA 16:3)

1. Institut mikrobiologii AN SSSR.  
(ALGAE—CULTURES AND CULTURE MEDIA)

GORYUNOVA, S.V.; OVSYANNIKOVA, M.N.

Methods for isolating active Chlorella strains from nature.  
Mikrobiologiya 31 no.3:520-525 My-Je '62. (MIFA 15:12)

1. Institut mikrobiologii AN SSSR.  
(ALGAE—CULTURES AND CULTURE MEDIA)

M-1

USSR Cultivated Plants. General Problems

Abs Jour: Ref Zhur-Biol., No 6, 1958, 24929

Author : Kanevskaya, Z. Ye., Ovsyannikov, M.A., Kozel-  
kova, N.I., Bel'skaya, L. V.

Inst : Not given

Title : The Application of the Luminescent Method of  
Determining the Viability of Agricultural Crop  
Seeds

Orig Pub: V sb.: Lyuminescentnyy analiz. Minsk, AN BSSR, 1956,  
20-24 Diskus., 24

Abstract: During the time from March to May 1955 at the  
Central Seed Control Laboratory of the Ministry of  
Agriculture USSR the viability of seeds was de-  
termined in corn (90 specimens, 50 varieties), flax  
(diverse varieties) and oats (18 specimens, 9  
varieties) by means of the luminescent method, by

Card 1/4

APPROVED FOR RELEASE



USSR / Cultivated Plants. General Problems.

M-1

Abs Jour: Ref Zhur-Biol., No 6, 1958, 24929

Abstract: dying with indigo carmine and acid fuchsine in 0.1% concentration, as well as through germinating according to the state standard GOST 5055-49. Determinations through these methods yielded exact results. With the luminescent method 50 seeds were slit open along the embryo and spread out moist on filter paper in Petrie dishes along the half side with the cut facing upwards and were viewed in ultraviolet light at an excitation 365 mu, using a portable Lyum-1 unit with a PRK-4 bulb and an UFS-3 light filter. The embryos of viable corn seeds produced a bluish-violet fluorescence, the brilliance of which corresponded to the degree of viability, while the embryos which were nonviable fluoresced yellowish white, brown, dark gray or yellowish green. The luminescence of the

Card 2/4

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USSR / Cultivated Plants. General Problems.

M-1

Abs Jour: Ref Zhur-Biol., No 6, 1958, 24929

Abstract: corneous portion of the endosperm with a yellow-hued testa was light brown, and with a white testa light violet; the luminescence of the farinaceous part was light violet or bluish violet, and presented no idea as to viability. Viable seeds of fiber and linseed-oil flax had bright blue or bright yellow, the low germinating ones had bright white or brownish red luminescence in the rootlets and cotyledons, as well the dark blue ones in the rootlets. The luminescence in the yellow seeded varieties (No 471, VNIIMK-249, Golden) linseed-oil flax was yellowish-greenish. In the oat seeds the flower husks were stripped off and a transverse cut was made in the embryos. Depending on the extent of viability the section yielded a blue fluorescence of varying brilliance.

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USSR / Cultivated Plants. General Problems.

M-1

Abs Jou.: Ref Zhur-Biol., No 6, 1958, 24929

Abstract: Yellow luminescence of the embryo rootlets was characteristic of the nonviable seeds. - B. Ye. Kravtsova

Card 4/4

9

S 220 62 031 003 003 003  
1016 1216

*Author* Goryunova, S.V. and Ovsyannikova, M.N.  
*Title* METHODS FOR THE ISOLATION OF ACTIVE *CHLORILLA* STRAINS FROM  
NATURE

*Periodical* *Mikrobiologiya* v. 41 no. 3 1961 520-525

*Text* A brief review of the Russian and foreign literature on methods of isolation of active *Chlorella* strains is given. A procedure used by the authors in mass-sampling of water and soil for the isolation of *Chlorella* is described.

*Association* Institut mikrobiologii AN SSSR (Institute of Microbiology AS USSR)

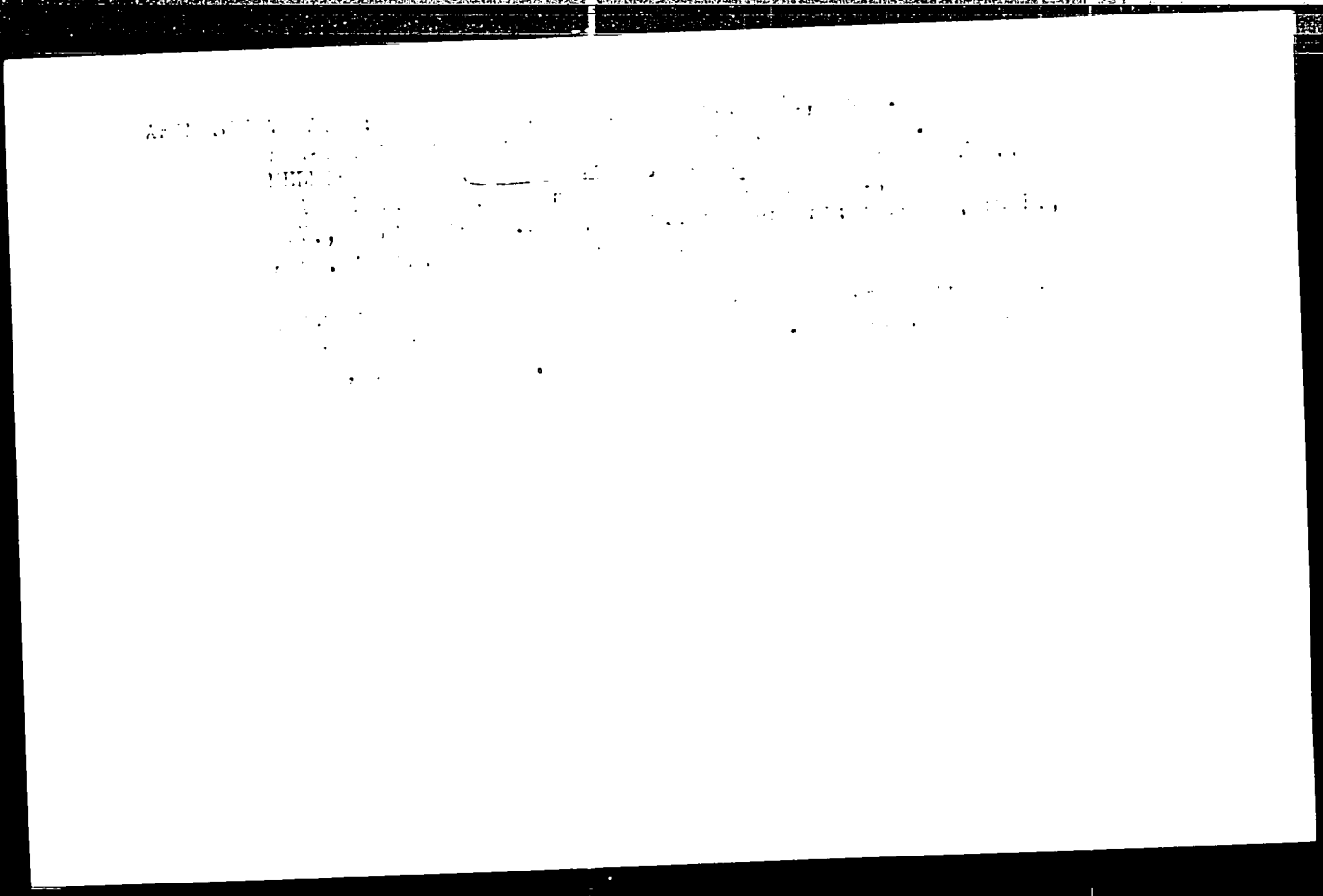
*Submitted* May 30, 1961

Card 11

OVSYANNIKOVA, M.N.

Translocation of streptomycin in higher plants. Mikrobiologiya  
34 no.1:121-127 Ja-F '65. (MIRA 18:7)

1. Biologo-pochvennyy fakul'tet Moskovskogo gosudarstvennogo  
universiteta imeni M.V. Lomonosova.



OVSYANNIKOVA, N.A.; IVANOV, B.T.

Selecting the optimum parameters for stereoscopic motion-picture  
photography. Zhur.nauch.i prikl. fot. i kin. 6 no.2:144-146 Mr-Ap  
'61. (MIRA 14:4)

(Motion pictures, Three-dimensional)

*Овсыанна, Коваленко*

**SHATSKAYA, A.M., OVSYANNIKOVA, E.A.**

The choice of a filming base in stereoscopic photography. Zhur.  
nauch.i prikl.fot.i kin. 2 no.4: 304-308 J1-Ag '57. (MLRA 10:7)

1. Nauchno-issledovatel'skiy kino-fotoinstitut.  
(Photography, Stereoscopic)



APPROVED FOR RELEASE: Wednesday, June 21, 2000

approving the design of the...  
brass smelting, January 30, 1965.

L 35987-66 EWT(1) GW

ACC NR: AT6016545

(N)

SOURCE CODE: UR/2634/65/000/085/0173/0184

AUTHOR: Ovsyannikova, O. A.

ORG: None

TITLE: The forecasting of acyclic sea currents using the method of linear extrapolation of random processes

SOURCE: Moscow, Gosudarstvennyy okeanograficheskiy institut. Trudy, no. 85, 1965. Teoriya i metody raschetov techeniy i neperiodicheskikh kolebaniy urovnya i prilivov (Theory and methods of calculating currents and acyclic fluctuations of water levels and tides), 173-184

TOPIC TAGS: ocean current, ocean dynamics, random process, probability theory, random function

ABSTRACT: Although the application of methods of the hydrodynamic theory to the study and forecasting of sea and ocean currents seems extremely promising, the main difficulty lies in the lack of appropriate calculational methods. Consequently, the present author carried out an attempt to apply the results of the theory of probabilistic processes to the study and considers the velocity of acyclic sea currents as random functions of time. The correlation and spectral  
Card 1/2

OVSYANNIKOVA, O.A.

Representativity of roadstead observations in the Caspian Sea.  
Trudy GOIN no.40:98-116 '57 (MLRA 10:7)  
(Caspian Sea--Hydrography)

84126

9.4300(1035,1138,1143)

S/070/60/005/005/015/017  
E132/E360

AUTHORS: Mil'vidskiy, M.G., Layner, L.V. and  
Ovsyannikova, S.P.

TITLE: Dendritic Structure in Single Crystals of Silicon  
Grown from the Melt by Czochralski's Method

PERIODICAL: Kristallografiya, 1960, Vol. 5, No. 5.  
pp. 817 - 818

TEXT: A dendritic structure was found in a number of specimens of single crystals of silicon, oriented to show the 111 plane and etched in a mixture of HF, HNO<sub>3</sub> and (CH<sub>3</sub>CO)<sub>2</sub>O in the ratio of 1:3:5. The origin of this structure appears to be crystallisation at a temperature below the temperature at which certain impurities separate out from the melt. Here, dendritic growth is most frequent when crystals are pulled out of technical silicon (purity 99.7 - 99.8%). Dendrites are developed in the 111 planes and when a section across them is cut in the 111 plane a picture is obtained which is very like that found in the octahedral slipping in crystal of Ge and Si when dislocations are developed. In purer materials dendrite formation is connected

Card 1/2

GORYUNOVA, S.V.; OVSYANNIKOVA, M.N.

Cultivation techniques for some marine diatom forms under laboratory conditions. Mikrobiologiya 30 no.6:995-997 N-D '61. (MIRA 14:12)

1. Institut mikrobiologii AN SSSR. (ALGAE CULTURES AND CULTURE MEDIA) (DIATOMS)

MARGOLIN, A.M., kand. med. nauk; MEDVEDKOVA, A.A., kand. med. nauk;  
OVSYANNIKOVA, N.P., mladshey nauchnyy sotrudnik.

Significance of Candida in the antibiotic treatment of chronic  
inflammation of the biliary tract. Kaz. med. zhur. no.5:16-17  
S-0'63 (MIRA 16:12)

1. Terapevticheskaya klinika (zav - A.M.Margolin) i mikolo-  
gicheskaya laboratoriya Leningradskogo nauch. - issledovatel'-  
skogo instituta antibiotikov (nauchnyy rukovoditel' - prof.  
A.V. Markovich).

ANIN, Yu.L.; TARASHCHANSKAYA, S.L.; OVSYANNIKOVA, O.G.

Use of aminazine in the therapeutic department of a municipal hospital. Vrach.delo no.12:120-121 D '62. (MIRA 15:12)

1. Terapevticheskoye otdeleniye (zav. - Yu.L.Anin) Khersonskoy lineynoy bol'nitsy vodnikov.  
(CHLORPROMAZINE)

OVSYANNIKOVA, Svetlana Aleksandrovna; KANTOR, A.I., redaktor; ROZEN, B.A.,  
tehnicheskiy redaktor

[Studying the history of the workers' movement in a district; a manual  
for workers in local museums] Izucheniye istorii rabocheho dvizheniya  
kraia; posobie dlia rabotnikov kraevedcheskikh muzeev. Moskva, Gos.  
izd-vo kul'turno-prosvetit. lit-ry, 1956. 65 p. (MLRA 9:12)  
(Labor and laboring classes--History)



FROLYAKINA, Ye.A.; OVSYANNIKOVA, S.N.; GRINENKO, B.A.

At the Exhibition of Achievements of the National Economy of the  
U.S.S.R. Zashch. rast. ot vred. i bol. 6 no.7:38 J1 '61.

(MIRA 16:5)

1. Starshiy metodist pavil'ona "Zemledeliye" na Vystavke dostizheniy  
narodnogo khozyaystva (for Frolyakina). 2. Ekskursovod ekspozitsionnogo  
uchastka na Vystavke dostizheniy narodnogo khozyaystva (for  
Ovsiannikova). 3. Direktor pavil'ona "Sadovodstvo" na Vystavke  
dostizheniy narodnogo khozyaystva (for Grinenko).

(Moscow--Exhibitions) (Plants, Protection of--Exhibitions)

USSR / Cultivated Plants. Technical, Oleaceous, Sugar Bearing  
Plants.

M-6

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 58687

Author : ~~Oryannikova, V. M.~~  
Inst : Stalingrad Agricultural Institute  
Title : The Characteristics of Blooming and of Fruit  
Formation of Indian Mustard in the Case of Various  
Sowing Methods

Orig Pub : Sb. nauchn. rabot stud. Stalingr. s.-kh. in-ta, 1956,  
vyp 2, 37-39

Abstract : The following sowing methods were studied in field  
experiments: in rows with fertilization at the time of  
presowing cultivation ( $P_{0.2}$ ,  $N_{0.1}$  and  $K_{0.5}$  cwt/ha);  
in narrow rows; every other row with 30 cm intervals  
between rows; semi covering (mustard with intervals  
of 15 cm between rows, barley with intervals of 30 cm);

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OVSYANNIKOVA, Ye. M.

Apr 50

USSR/Medicine - Dysentery

"Clinical Aspects of the Kruze-Sonne Type of Dysentery," P. I. Sakharov, Ye. M. Ovsyannikova, L. P. Morozova, Clinic of Infectious Diseases, Second Moscow Med Inst imeni I. V. Stalin, and Kirov Infection Hosp

"Sov Med" No 4, oo 5-7

Discusses results of comparative study of cases with Kruze-Sonne type of dysentery, and those with Flexner type, and summarizes characteristics of Kruze-Sonne type. Seven Tables of comparative data. Dir, Second Moscow Med Inst imeni I. V. Stalin, Prof F. M. Toporkov; Chief Phys, Kirov Infection Hosp, Ye. F. Leneveva.

PA 176178

SHESTAKOV, A.S.; OVSIANNIKOVA, Ye.N. [Ovsiannykova, IE.N.]

Use of natural gas in burners of ferrite soda furnaces  
and melting pots. Khim. prom. [Ukr.] no.2:76-77 Ap-Je '63.  
(MIRA 16:8)

1. Donetskij sodovyy zavod.