

KAZARNOVSKIY, Yuliy Emmanuilovich; ANDREYANOV, V.G., otv.red.; GROSMAN,  
R.V., red.; BRAYNINA, M.I., tekhn.red.; SERGEYEV, A.N., tekhn.red.

[Hydrological and economic calculations in pond design] Gidrolo-  
gicheskie i vodokhoziaistvennye raschety pri proektirovanii prudov.  
Leningrad, Gidrometeor.izd-vo, 1959. 162 p. (MIRA 13:3)  
(Ponds) (Hydraulic engineering--Tables, calculations, etc.)

ANDREYANOV, V.G.

Cyclic fluctuations of annual runoff and their calculation in  
hydrological computations. Trudy GGI no.68:3-49 '59.  
(MIRA 13:4)

(Runoff)

ANDREYANOV, V. G., Doc Tech Sci, "INTRAANNUAL DISTRIBUTION  
OF ~~THE RIVER~~ <sup>fluvial</sup> RUN-OFF. (<sup>Basic laws</sup> ~~PRINCIPAL-NORMALCIES~~ AND THEIR UTI-  
LIZATION IN ~~THE~~ HYDROLOGIC AND WATER <sup>resource calculations</sup> ~~ECONOMY COMPUTATIONS~~).  
Moscow, 1960. (MAIN ADM <sup>of</sup> HYDROMETEOROL <sup>of</sup> SERVICE UNDER THE  
COUNCIL OF MINISTERS USSR. CENTRAL INST OF FORECATS). (KL,  
2-61, 206).

ANDREYANOV, Vladimir Georgiyevich; SOKOLOVSKIY, D.L., prof., doktor  
tekhn.nauk, red.; SHATILINA, M.K., red.; BRAYNINA, M.I.,  
tekhn.red.

[Annual distribution of streamflow; basic principles and their  
application to hydrological calculations and the water economy]  
Vnutrigodovoe raspredelenie rechnogo stoka; osnovnye zakono-  
mernosti i ikh ispol'zovanie v gidrologicheskikh i vodorosist-  
vennykh raschetakh. Pod red. D.L.Sokolovskogo. Leningrad, Gidro-  
meteor.izd-vo, 1960. 326 p. (MIRA 13:10)  
(Hydrology)

ANDREYANOV, V.G.

Using water and heat balance equations in investigating and  
calculating the annual regime of runoff. Trudy GGI no.73:  
3-54 '60. (MIRA 13:6)

(Runoff)

BAKHTIAROV, Viktor Andreyevich; ANDREYANOV, V.G., otv. red.; SHATILINA, M.K.,  
red.; SOLOVEYCHIK, A.A., tekhn. red.; BRAYTINA, M.I., tekhn. red.

[Water resources development and calculations] Vodnoe khoziaistvo i  
vodokhoziaistvennye raschety. Leningrad, Gidrometeor. izd-vo, 1961.  
430 p. (MIRA 14:12)

(Water resources development)

PLESHKOV, Yakov Fedorovich; ANDREYANOV, V.G., retsenzent; SHATILINA,  
M.K., red.; BRAYNINA, M.I., tekhn. red.

[Streamflow regulation; calculations in the water economy] Regulirovanie rechnogo stoka; vodokhoziaistvennye raschety. Leningrad, Gidrometeor. izd-vo, 1961. 395 p. (MIRA 15:2)  
(Runoff)

VOSKRESENSKIY, Konstantin Petrovich; ANDREYANOV, V.G., doktor tekhn.  
nauk, otv. red.; DERYUGINA, V.N., red.; NEDOSHIVINA, T.G.,  
red.; ALEKSEYEV, A.G., tekhn. red.; VOLKOV, H.V., tekhn.  
red.

[Norm and variations of the annual runoff of Soviet Union  
rivers] Norma i izmenchivost' godovogo stoka rek Sovetskogo  
Soiuz. Leningrad, Gidrometeoizdat, 1962. 543 p.

\_\_\_\_ [Maps of the annual average runoff of U.S.S.R. rivers on  
a 1:5,000,000 scale (eight sheets) and on a 1:10,000,000  
scale (one sheet)] Karty srednego godovogo stoka rek SSSR v  
masshtabakh 1:5,000,000 (na 8 listakh) i 1:10,000,000 (na 1  
liste) (MIRA 15:11)

(Runoff)

BULAKH, Vladimir Leont'yevich [deceased]; SOLOMENTSEV, Nikolay Afanas'yevich; CHEKMAREV, Viktor Aleksandrovich; ANDREYANOV, V.G., otv. red.; SHATILINA, M.K., red.; ALEKSEYEV, A.G., tekhn. red.

[Fundamentals of hydrology and land improvement] Osnovy gidrologii i sel'skokhoziaistvennykh melioratsii. 2., dop. izd. Leningrad, Gidrometeoizdat, 1963. 366 p.

(MIRA 16:10)

(Hydrology) (Irrigation) (Drainage)

ANDREYANOV, V.G.; GOLUBOVA, G.A.

Restoration of the natural characteristics of the regulated flow  
of rivers in the upper Volga basin. Bor. rab. Mosk. gidromet.  
skhoz. no.401-63 563 (MIRA 17:7)

ANDREYANOV, V.G.

Methodology of the graphoanalytic solution of equations of  
continuity and dynamic equilibrium. Trudy GGI no. 1173-64  
(MIRA 18s1)

ANDREYANOV, V.G.; VOSKRESENSKIY, K.F.; GLUSHCHENKO, N.Ya.; PANOVA, N.F.

Study of the frequency and duration of periods of different  
water content of rivers of the U.S.S.R. Trudy GOI no.127:  
227-276 '65. (MIRA 18:9)

ORLOV, V. V.; ANDREYANOV, V. S.; GRISHANIN, Ye. I.

"Choice of some optimum characteristics of control elements for nuclear reactors."

report submitted for 3rd Intl Conf, Peaceful Uses of Atomic Energy, Geneva,  
31 Aug-9 Sep 64.

KILINSKIY, I.M.; ANDREYANOV, V.V.

Effect of the size of silver halide microcrystals on the resolving power of the emulsion as dependent on the nature of the developing agent. Zhur.nauch. i prikl.fot. i kin. 8 no.5:379-380 S-O '63. (MIRA 16:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy kinofotoinstitut (NIKFI).

NEMCHENKO, V.S.; BOCHAROV, M.D.; KRISTOSTUR'YAN, N.G.; CHERKASOV, V.I.;  
 ANDREYANOV, V.V.; KAUFFMAN, V.M.; PAKHMANOV, V.F.; ZVORYKIN, A.A.,  
 otv.red.; ANICHKOV, N.N., red.; BARDIN, I.P., red.; BLAGONRAVOV,  
 A.A., red.; VVEDENSKIY, B.A., red.; GRIGOR'YEV, A.A., red.;  
 KAPUSTINSKIY, A.F., red.; KOLMOGOROV, A.N., red.; MIKHAYLOV, A.A.,  
 red.; OPARIN, A.I., red.; PETROV, P.M., red.; STOLETOV, V.N., red.;  
 STRAKHOV, N.M., red.; FIGUROVSKIY, N.A., red.; KOSTI, S.D., tekhn.red.

[Biographical dictionary of leaders in the natural sciences and  
 technology] Biograficheskiy slovar' deiatelei estestvoznaniia  
 i tekhniki. Vol.1. A - L. Otvetstvennyi red. A.A.Zvorykin. Red.  
 kollegiia: N.N.Anichkov i dr. Moskva, Gos.nauchn.izd-vo "Bol'shaia  
 Sovetskaia Entsiklopediia." 1958. 548 p. (MIRA 12:4)

1. Redaktsiya istorii estestvoznaniya i tekhniki Bol'shoy Sovetskoy  
 Entsiklopedii (for Nemchenko, Bocharov, Kristostur'yan, Cherkasov;  
 Andreyanov, Kaufman, Pakhmanov).

(Scientists)

ZVORYKIN, A.A., otv.red.; NEMCHENKO, V.S., zaveduyushchiy red.;  
BOCHAROV, M.D., starshiy nauchnyy red.; KRISTOSTUR'YAN,  
N.G., starshiy nauchnyy red.; CHERKASOV, V.I., starshiy  
nauchnyy red.; ANDREYANOV, V.V., red.; GARKOVENKO, R.V.,  
nauchnyy red.; KAUFMAN, V.M., mladshiy red.; PAKHMANOV,  
V.F., mladshiy red.; KOSTI, S.D., tekhn.red.

[Biographical dictionary of figures in the natural sciences  
and technology] Biograficheski slovar' deiatelei estestvo-  
znaniya i tekhniki. Otvetstvennyi red. A.A.Zvorykin. Red.  
kollegiya: M.N.Anichkov i dr. Moskva, Gos.nauchn.isd-vo  
"Bol'shaya sovetskaya entsiklopediya." Vol.2. M - IA.  
1959. 467 p. (MIRA 12:7)

1. Redaktsiya istorii estestvoznaniya i tekhniki Bol'shoy  
Sovetskoy Entsiklopedii (for all except Zvorykin, Kosti).  
(Scientists) (Technology--Biography)

ANDREYANOVA, V.; BOCHAROVA, M.

Noteworthy dates of great technical discoveries. Politekh.obuch. no.2:  
95-96 F '59.

(Scientists)

(MIRA 12:3)

BOCHAROVA, M.D.; ANDREYANOVA, V.V.

Anniversary calendar. Politekh. obuch. no.5:95-96 My '58.  
(MIRA 11:5)  
(Inventions)

BOCHAROVA, H.; ANDREYANOVA, V.V.

Noteworthy dates of great technical discoveries. Politekh. sbuch.  
no. 7:94-95 J1 '59. (MIRA 12:9)  
(Anniversary calendar)

BOCHAROVA, M.; ANDREYANOVA, V. ✓

Noteworthy dates of great technical discoveries. Politext.  
obuch. no.9:95-96 S '59. (MIRA 12:12)  
(Scientists)

ANDREYANOVA, V. (Frunze)

Searchers of precious treasures. NTO 5 no.10:26-27 0 '63.

(MIRA 17:1)

1. Spetsial'nyy korrespondent zhurnala "Nauchno—tekhnicheskiye  
obshchestva SSSR.

ANDREYASHKIN, N. I.

Treatment of inflammatory diseases of the peripheral nervous  
system and muscles with Rozental's iodine paste. Klin. med.  
no.9:79-82 '61. (MIRA 15:6)

(NERVES, PERIPHERAL--DISEASES)  
(CHLOROFORM--THERAPEUTIC USE)  
(MUSCLES--DISEASES)

1. ANDREYCHA, N. I.

2. USSR (600)

4. Cork

7. Improving the quality of champagne corks. Vin.SSSR, 13, no. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

ANDREYCHA, N.I.; VOLKOVA, O.A.

Reference: 100-100000-100000-100000

Changes in denatured alcohol with deviation in temperature. Spirt.  
prom. 26 no.6:14-15 '60. (MIRA 13:11)  
(Alcohol, Denatured)

ANDREYCHENKO, A.M.

USSR/ Chemical Technology. Chemical Products and Their  
Application - General Questions

I-1

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 12311  
Author : Sveshnikov M.A., Andreychenko A.M.  
Inst : Voskresensk Chemical Combine imeni V.V. Kuybyshev  
Title : Twenty-Fifth Anniversary of the Voskresensk Chemical  
Combine imeni V.V. Kuybyshev  
Orig Pub : Khim. prom-st', 1956, No 5, 41-42  
Abstract : No abstract.

Card 1/1

- 1 -

SVESNIKOV, M.A.; ANDREYCHENKO, A.M.

Twenty-fifth anniversary of Voskresensk Chemical Combine. Khim.  
prom. no.5:297-298 J1-Ag '56. (MLBA 9:11)  
(Chemical industries) (Agricultural chemicals)

ANDREYCHENKO A.V

AL'BREKHT, Vladimir Georgiyevich, prof.; LIDERS, Georgiy Vladimirovich, dotsent; NIKIFOROV, Pavel Aleksandrovich, prof. [deceased]; CHLENOV, Mikhail Timofeyevich, kand.tekhn.nauk; CHERNYSHEV, Mikhail Andreyevich, kand.tekhn.nauk; FRISHMAN, M.A., prof., retsenzent; ANDREYCHENKO, A.V., inzh., retsenzent; BABKIN, A.R., inzh., retsenzent; BEZRUCHKO, V.S., inzh., retsenzent; ZHEREBIN, M.I., inzh., retsenzent; MEL'NIK, D.M., inzh., retsenzent; MURAV'YEV, I.V., inzh., retsenzent; NOVITSKIY, G.I., inzh., retsenzent; PASHININ, S.A., inzh., retsenzent; POTOTSKIY, G.I., inzh., retsenzent, red.; RAK, S.M., inzh., retsenzent; TYUTYUNNIK, F.R., inzh., retsenzent; ULYUYEV, D.I., inzh., retsenzent; SHEPELEV, V.N., inzh., retsenzent; BOBROVA, Ye.N., tekhn.red.

[Track work] Putevoo khoziaistvo. Pod red. M.A.Chernyshava. Moskva, Gos.transp.zhel-dor.izd-vo, 1959. 435 p. (MIRA 12:12)

1. Kafedra "Put' i putevoye khozyaystvo" Dnepropetrovskogo instituta inzhenerov zheleznodorozhnogo transporta (for Frishman). (Railroads--Track)

SHESTOPKROV, S.V., doktor tekhn.nauk; IVANOV, G.S., kand.tekhn.nauk;  
ANDRUSYCHENKO, A.V., inzh.

Stand-mixed technique of manufacturing wire-reinforced concrete  
ties. Transp.stroi. 9 no.1:35-39 Ja '59. (MIRA 12:2)  
(Railroads--Ties, Concrete)

ANDREYCHENKO, A.V., inzh.; KONSTANTINOV, T.F., inzh.; DAV, Z.I., inzh.;  
SMEKALOV, A.G., inzh.

Study of the stresses in the rods of reinforced concrete power transmission line towers. Energ. stroi. no.32:78-83 '62. (MIRA 16:5)

1. Beskudnikovskiy zavod zhelezobetonnykh konstruktsiy (for Andreychenko, Konstantinov). 2. Moskovskiy filial Vsesoyuznogo instituta po proyektirovaniyu organizatsiy energeticheskogo stroitel'stva (for Dav, Smekalov).

ACC NR: AP7001703

SOURCE CODE: UR/0032/66/032/012/1523/1525

AUTHOR: Kogan, M. G.; Andreychenko, I. T.; Bogin, V. S.; Zavartsev, N. A.;  
Karker, Ya. I.

ORG: none

TITLE: Laboratory high-temperature furnace for heating and melting of metals

SOURCE: Zavodskaya laboratoriya, v. 32, no. 12, 1966, 1523-1525

TOPIC TAGS: metalluric research, metallurgic furnace, high temperature furnace,  
electron beam furnace

ABSTRACT: A laboratory vacuum furnace for heating, melting, zone refining, and evaporating (for vacuum-vapor deposition) primarily refractory metals has been designed and built at an unidentified institution. The furnace operates with several heating systems (resistance, radiation, arc, and electron beam) used individually or in combination. The vacuum chamber can be evacuated to a pressure of  $10^{-6}$  mm Hg. The furnace produces ingots 50 mm in diameter and up to 400 mm long. The charge can be placed in advance or fed during the melting. Zone refining can be done with a metal bar in the horizontal or vertical position. In vacuum-vapor deposition, the evaporation is done with an electron beam, and the temperature of the substrate is controlled with radiant heat. The furnace has two 45-kw electron guns operating with an accelerating voltage of 30 kv. Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: none/ ATD PRESS: 5111

Card 1/1

UDC: 621.365:621.52:546.3

L 29425-66 ENT(m)/ETC(f)/EVP(t)/ETI IJP(c) JD/JG

ACC NR: AP6017978

(N)

SOURCE CODE: UR/0413/66/000/010/0080/0080

INVENTOR: Kogan, M. G.; Andreychenko, I. T.; Karker, Ya. I.; Bogin, V. S.;  
Zavartsev, N. A. 64

ORG: none

TITLE: A method of vacuum melting highly reactive refractory metals. Class 40,  
No. 181813 27

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 10, 1966, 80

TOPIC TAGS: metal, reactive metal, refractory metal, metal melting, vacuum melting,  
induction melting

ABSTRACT: This Author Certificate introduces a method of vacuum scull melting of  
highly reactive refractory metals. To obtain uniformly superheated metal within  
the scull, the initial metal or alloy is melted in an electromagnetic field with  
the heat produced by axial or eddy currents. [MS]

SUB CODE: 11/ SUBM DATE: 06Jun63/ ATD PRESS: 5010  
13/

Card

1/1 iv

UDC: 621.745.5

LEVIN, M.M.; ANDREYCHENKO, M.F.

Case of naevus epidermohypertrophicus periarticularis. Vest. ven. i  
derm. no.1:47 Ja-F '54. (MLRA 7:2)

1. Iz Smolenskogo oblastnogo kozhno-venerologicheskogo dispansera.  
(Skin--Diseases)

LEVIN, M.M., professor; ANDREYCHENKO, M.F.

Clinical aspects and therapy of atrophic acrodermatosis. Vest. ven.  
1 dermat. no. 3:51 My-Je '55. (MLA 8:10)

1. Iz Smolenskogo oblastnogo vendlspansera.  
(SKIN-DISEASES)

ANDREYCHENKO, N.

The role of finance in carrying out the first five-year development  
plan of the Chinese People's Republic. Fin.SSSR 16 no.9:36-46 S'55.  
(MLRA 8:12)

(China--Finance) (China--Economic conditions)

ANDREYCHENKO, Nikolay Semenovich; KOZHUKHOVA, D.S., red.; FILEVA, A.I.,  
tekhn.red.

[How I became a milkman] Kak ia stal doiarom. Arkhangel'sk,  
Arkhangel'skoe knishnoe izd-vo, 1959. 29 p.  
(Dairying) (MIRA 14:12)

GOLUB, A.M.; ANDREYCHENKO, O.Ye.

Cadmium selenocyanate complexes. Zhur.neorg.khim. 7 no.3:549-  
554 Mr '62. (MIRA 15:3)

1. Kiyevskiy gosudarstvennyy universitet imeni T.G.Shevchenko,  
kafedra neorganicheskoy khimii.  
(Cadmium compounds) (Selenocyanates)

Declassified

(APPROVED FOR RELEASE: 03/20/2001)

Molecular compound of the type  $C_2H_4 \cdot H_2O$  (M.W. 44.05)  
(M.W. 44.05)

1. Klyachko, G. Y. (1964) *Ukr. Khim. Zh.* 39, 1000.

ZOSIMOVICH, D.F.; SHVAB, N.A.; ANDREYCHENKO, V.G.

Conditions for the removal of impurities from manganese  
electrolytes. Ukr. khim. zhur. 31 no.10:1104-1107 '65.  
(MIRA 19:1)

1. Institut obshchey i neorganicheskoy khimii AN UkrSSR.  
Submitted May 7, 1964.

ANDREYCHENKO, V.I. [Andriychenko, V.I.]

Effect of hypothermia on variation in the opsonocytophagic reactions of blood in animals following vaccination and on the body's capacity for producing agglutinins [with summary in English]. *Fiziol.zhur.* [Ukr.] 3 no.6:83-90 D '57. (MIRA 11:2)

1. Kiivs'kiy medichniy institut im. akad. O.O.Bogomol'tsya, kafedra patologichnoi fiziologii.  
(HYPOTHERMIA) (PHAGOCYTOSIS) (AGGLUTININS)

USSR / General Problems of Pathology. Immunity.

U

Abs Jour: Ref Zhur-Biol., No 22, 1958, 102384.

Author : Andreychenko, V. I.

Inst : Not given.

Title : The Influence of Hypothermia on the Antimicrobial  
Function of the Reticulo-Endothelial System and  
the Phagocytic Capacities of Leucocytes.

Orig Pub: Vrachebn. delo, 1957, No 12, 1309-1312.

Abstract: In rabbits and guinea pigs subjected to cooling,  
the antimicrobial function of the reticulo-endo-  
thelial system is weakened: in the course of 24  
hours more colonies of *Bacterium prodigiosum* were  
filtered out from their blood than from normal  
animals. However, the phagocytic activity of  
leucocytes is the same in cooled and normal animals.

Card 1/1

7

1.  
ANDREYCHENKO, V.I.; DANILOVA, L.Ya. (Kiyev)

Effect of hypothermia on agglutinin production and on changes in blood serum protein fractions during vaccination. Pat.fiziol.i eksp. terap. 4 no.2:32-37 Mr-Ap '60. (MIRA 14:5)

1. Iz kafedry patologicheskoy fiziologii (zav. - deystvitel'nyy chlen AMN SSSR prof. N.N.Sirotinin) Kiyevskogo meditsinskogo instituta.

(AGGLUTININS)  
(HYPOTHERMIA)

(VACCINATION)  
(BLOOD PROTEINS)

IYEVLEV, V.M.; ANDREYCHENKO, Yu.Ya.

Stabilization of soils of natural beds. Avt. dor. 28 no.4:  
14-15 Ap '65. (MIRA 18:5)

| A. N. ANDREICHEV, A. N.                                                                                                                                                                                                                                                                                                                                                                                                |  | PROCESSING AND PROPERTIES INDEX |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------|--|
| <p>Mining of carnallites in the First Potassium mine.<br/> A. N. Andreichev. <i>Kadil</i> (U. S. S. R.) 1935, No. 4,<br/> 27-28, No. 6, 14-25. A discussion of the location of<br/> the mine and proposed methods of the mining of carnallite.<br/> The carnallite contains KCl 19.00, MgCl<sub>2</sub> 25.18, NaCl<br/> 27.44, H<sub>2</sub>O 25.53, CaSO<sub>4</sub> 0.950, insol. matter 0.485%<br/> A. Pestoff</p> |  |                                 |  |
| <p>ANDREICHEV, A. N. METALLURGICAL LITERATURE CLASSIFICATION</p>                                                                                                                                                                                                                                                                                                                                                       |  |                                 |  |
| <p>1935-1936</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>1937-1938</p>                |  |
| <p>1939-1940</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>1941-1942</p>                |  |
| <p>1943-1944</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>1945-1946</p>                |  |
| <p>1947-1948</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>1949-1950</p>                |  |
| <p>1951-1952</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>1953-1954</p>                |  |
| <p>1955-1956</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>1957-1958</p>                |  |
| <p>1959-1960</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>1961-1962</p>                |  |
| <p>1963-1964</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>1965-1966</p>                |  |
| <p>1967-1968</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>1969-1970</p>                |  |
| <p>1971-1972</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>1973-1974</p>                |  |
| <p>1975-1976</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>1977-1978</p>                |  |
| <p>1979-1980</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>1981-1982</p>                |  |
| <p>1983-1984</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>1985-1986</p>                |  |
| <p>1987-1988</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>1989-1990</p>                |  |
| <p>1991-1992</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>1993-1994</p>                |  |
| <p>1995-1996</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>1997-1998</p>                |  |
| <p>1999-2000</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>2001-2002</p>                |  |
| <p>2003-2004</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>2005-2006</p>                |  |
| <p>2007-2008</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>2009-2010</p>                |  |
| <p>2011-2012</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>2013-2014</p>                |  |
| <p>2015-2016</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>2017-2018</p>                |  |
| <p>2019-2020</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>2021-2022</p>                |  |
| <p>2023-2024</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>2025-2026</p>                |  |
| <p>2027-2028</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>2029-2030</p>                |  |
| <p>2031-2032</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>2033-2034</p>                |  |
| <p>2035-2036</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>2037-2038</p>                |  |
| <p>2039-2040</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>2041-2042</p>                |  |
| <p>2043-2044</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>2045-2046</p>                |  |
| <p>2047-2048</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>2049-2050</p>                |  |
| <p>2051-2052</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>2053-2054</p>                |  |
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| <p>2707-2708</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>2709-2710</p>                |  |
| <p>2711-2712</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>2713-2714</p>                |  |
| <p>2715-2716</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>2717-2718</p>                |  |
| <p>2719-2720</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>2721-2722</p>                |  |
| <p>2723-2724</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>2725-2726</p>                |  |
| <p>2727-2728</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>2729-2730</p>                |  |
| <p>2731-2732</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>2733-2734</p>                |  |
| <p>2735-2736</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>2737-2738</p>                |  |
| <p>2739-2740</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>2741-2742</p>                |  |
| <p>2743-2744</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>2745-2746</p>                |  |
| <p>2747-2748</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>2749-2750</p>                |  |
| <p>2751-2752</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>2753-2754</p>                |  |
| <p>2755-2756</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>2757-2758</p>                |  |
| <p>2759-2760</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>2761-2762</p>                |  |
| <p>2763-2764</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>2765-2766</p>                |  |
| <p>2767-2768</p>                                                                                                                                                                                                                                                                                                                                                                                                       |  | <p>2769-2770</p>                |  |
| <p>2771-277</p>                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                 |  |

ANDREYCHEV, A.A.

"Tubing Strengthening of Vertical Mines," book, Moscow, 1950

*Andreyev, A. N.*  
USSR/Chemistry - Mining of chemical raw materials

FD-3360

Card 1/1      Pub. 50 - 4/20

Author : Andreichev, A. N.

Title : Further introduction of new technical methods at mining enterprises  
of the Ministry of Chemical Industry

Periodical : Khim. prom. No 7, 397-402, Oct-Nov 1955

Abstract : Discusses improved methods of mining potassium salts and phospho-  
rite. Makes recommendations for further improvements. The article  
contains a table giving in percentages of 1950 production figures  
on the USSR production of potassium fertilizers, phosphorite flour,  
and apatite concentrate during the years 1951-1955. The figures for  
1955 (planned production) are 279.3%, 422.8%, and 182.2%, respec-  
tively. Six references; 5 USSR, all since 1940. Four figures, 2  
tables.

Institution : --

Submitted : --

ANDREYCHEV, A.N.; DUKHOVLINOV, D.P.

Achievements by innovators in mining for the chemical industry.

Gor.shur. no.9:3-8 S '55.

(MLRA 8:8)

(Mining engineering)

BULGARIA / Cultivated Plants. Plants for Technical Use. M  
Oil Plants. Sugar Plants.

Abs Jour : Ref Zhur - Biologiya, No 6, 1959, No. 25010

Author : Baylov, D.; Stefanova, M.; Andreychева, M.

Inst : Bulgaria Academy of Sciences

Title : Concerning the Nature and Causes of the Tobacco Mosaic Disease

Orig Pub : Dokl. Bolg. AN, 1957, 10, No 6, 509-512

Abstract : The connection between the infected leaf's spottiness and chlorogenetic acid was successfully established by determining, according to Heffner's method, the quantity of the acid in the very spottiness, and also in the uninfected part of the same leaf and in the altogether uninfected leaves of the same sort and brand. The quantity of

Card 1/3

BULGARIA / Cultivated Plants. Plants for Technical Use. M  
Oil Plants. Sugar Plants.

Abs Jour : Ref Zhur - Biologiya, No 6, 1959, No. 25010

oxidation. This is proven by the tints,  
obtained by the author in vitro, which  
completely resemble the tints of the tobacco  
leaves, infected naturally with the mosaic  
disease. -- P. N. Kizima

Card 3/3

141

BULOAKOV, Aleksey Alekseyevich; ANDREYCHIKOV, B.I., red.; VORONIN, K.P.,  
tekhn. red.

[Electronic equipment for automatic control] Elektronnye ustroistva  
avtomaticheskogo upravleniya. Izd.2., perer. Moskva, Gos. energ.  
izd-vo, 1958. 256 p. (MIRA 11:9)  
(Electronic apparatus and appliances) (Automatic control)

BULGAKOV, Aleksey Alekseyevich; ANDREYCHIKOV, B.I., red.; BORUNOV,  
N.I., tekhn.red.

[Program control of metal-cutting machines] Programnoe  
upravlenie metalloreshushchimi stankami. Moskva, Gos.energ.  
izd-vo, 1959. 125 p. (Biblioteka po avtomatike, no.5)

(Machine tools--Numerical control)

(MIRA 12:11)

SOV/144-58-11-9/17

AUTHOR: Andreychikov, B. I. (Assistant)

TITLE: Calculation of Signal Selectors in a Servo System with Fine and Coarse Reading (K raschetu selektorov signalov v sled-yashchikh sistemakh s tochnym i grubym otschetom)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Elektromekhanika, 1958, Nr 11, pp 87-93 (USSR)

ABSTRACT: Schematic diagrams are presented for both the fine and coarse reading circuits, which comprise respectively a selenium rectifier loop and a neon lamp, each with its associated variable and fixed potentiometers. The complete tracking unit is then formed by coupling the outputs from these two circuits in parallel to a voltage integrator unit from which the integrated output is taken, and may be displayed for example on a cathode ray oscilloscope. In normal operation the input signal is fed to both the coarse and the fine selection circuits, the former serving to tune the latter, and so maximize its response. Facility is provided, however, for shunting out the fine selection circuit if required; this might be necessary, for example, in tracking a signal having frequent and large fluctuations which would cause the fine circuit to "trigger out", but whose general behaviour can still be followed by the coarse unit. Standard

Card 1/3

SOV/144-58-11-9/17

Calculation of Signal Selector in Tracking Circuit with Fine and Coarse Reading

amplifier circuit theory is used to calculate the amplification coefficients and maximal transmission relations in terms of the threshold parameters and potentiometer characteristics for the selenium and neon units. The results are presented in the form of a nomogram which enables these relations to be determined for any given combination (within limits) of the input signal strength and the phase-settings of the coarse and fine selectors. Graphs are also given to illustrate the phase and amplitude relationships between input and output signals, (a) with both fine and coarse selector circuits operating, and (b) with the fine selector shunted out of

Card 2/3

SOV/144-58-11-9/17

Calculation of Signal Selector in Tracking Circuit with Fine and  
Coarse Reading

circuit. The paper contains 4 figures, 1 table and 3  
Soviet references.

ASSOCIATION: Institut avtomatiki i telemekhaniki Akademii nauk SSSR  
(Institute for Automation and Telemechanics, Academy of  
Sciences USSR)

SUBMITTED: July 15, 1958.

Card 3/3

ANDREYCHIKOV, B. I.

PHASE I BOOK EXPLOITATION

SOV/6012

Akademiya nauk SSSR. Institut avtomatiki i telemekhaniki.

Avtomaticheskoye regulirovaniye i upravleniye (Automatic Regulation and Control) Moscow, Izd-vo AN SSSR, 1962. 526 p. Errata slip inserted. 9000 copies printed.

Resp. Ed.: Ya. Z. Tsypkin, Professor, Doctor of Technical Sciences;  
Ed. of Publishing House: Ye. N. Grigor'yev; Tech. Ed.: I. N. Dorokhina.

PURPOSE: This book is intended for scientific research workers and engineers concerned with automation.

COVERAGE: The book is a collection of articles consisting of papers delivered at the 7th Conference of Junior Scientists of the Institute of Automation and Telemekhanics, Academy of Sciences USSR, held in March 1960. A wide range of scientific and technical questions relating to automatic regulation and control is covered.

Card 1/12

Automatic Regulation (Cont.)

SOV/6012

The articles are organized in seven sections, including automatic control systems, automatic process control, computing and decision-making devices, automation components and devices, statistical methods in automation, theory of relay circuits and finite automatic systems, and automated electric drives. No personalities are mentioned. References are given at the end of each article.

TABLE OF CONTENTS:

PART I. AUTOMATIC CONTROL SYSTEMS

|                                                                                                                                 |    |
|---------------------------------------------------------------------------------------------------------------------------------|----|
| Andreychikov, B. I. The effect of dry friction and slippage [play] on error during reverse gear operation of servo-feed systems | 3  |
| Andreychikov, B. I. Dynamic accuracy of machine tools with programmed control                                                   | 14 |

Card 2/12

ANDREYCHIKOV, B. I.

Dissertation defended at the Institute of Automation and Telemechanics  
for the academic degree of Candidate of Technical Sciences:

"Dynamic Precision of Phase Systems of Programed Control Over Machine-Tools."

Vestnik Akad Nauk, No. 4, 1963, pp. 119-145

ACC NR: AM5011712

BOOK EXPLOITATION

UR

Andreyev, B.I.

Dynamic precision of programmed control systems for machine tools (Dinamicheskaya tochnost' sistem programmogo upravleniya stankami) Moscow, Izd-vo "Mashinostroyeniye," 1964. 0367 p. illus., biblio. Errata slip inserted. 4,200 copies printed.

TOPIC TAGS: machine tool, automatic control system, servosystem, servomechanism, automatic programming, error, error correction, control circuit, dynamic system

PURPOSE AND COVERAGE: This book is one of the few thus far published on the subject of dynamic precision of program reproduction. The text includes problems in the theory and calculation of dynamic precision of multicoordinate servo drives, principles of design of high-precision multicoordinate systems, and suggestions on how to synthesize servo drives for the systems. The material pertains primarily to machine tools with programmed control, but it can be applied to many other machines and units designed to move the working element on a given trajectory in space. Problems of calculation and principles of design for high-precision one-dimensional servo drives are also included in the text. The book is based on original research carried out by the author and by other engineers at the Institute of Automation and Telemechanics (Institut avtomatiki i telemekhaniki) under the direction of A.A. Bulgakov. It is intended for the use of scientific workers, and of engineering and technical personnel concerned with the study, design, and operation of servo drives.

Cord 1/2

UDC: 621-526-529.001.1001.24

ACC NR: AM5011712

TABLE OF CONTENTS [abridged]:

Introduction -- 3

Ch. I. Characteristics of machine tools with programmed control -- 6

Ch. II. Accuracy of program reproduction -- 41

Ch. III. Effect of nonlinearities on stability and dynamic precision -- 119

Ch. IV. Methods of improving dynamic precision -- 180

Ch. V. Pre-distortion of the program with the use of differences from input -- 269

Ch. VI. Some aspects of the synthesis of servo drives ensuring high accuracy of program reproduction -- 313

Bibliography -- 362

SUB CODE: 09/ SUBM DATE: 29Oct64/ ORIG REF: 094/ OTH REF: 014

Cord 2/2

ZHEITITSKIY, S.I.; ANDREYCHIKOV, O.S.

Tool for thread rolling in holes. Stan. i instr. 36  
no.10:28-30 0 '65. (MIRA 18:11)



ANDREYCHIKOV, S. N.

6926. Andreychikov, S. N. Alkogolizm-vrednyy perezhitok proshlogo. Molotov, Kn. izd., 1954. 28z. 20sm. 5.000 ekz. 45 l. -- (55-2357) p 613.81+392

SC: Knizhnaya Ietopis' No. 6, 1955

ANDREYCHIKOV, S.N.

Organization and functioning of a hospital for alcoholics. Zhur.nev.  
i psikh. 59 no.6:761-763 '59. (MIRA 13:1)

1. Permskiy oblastnoy narkologicheskiy dispanser (glavnyy vrach S.N.  
Andreychikov), poselok Kus'ye-Aleksandrovskiy.  
(ALCOHOLISM, prev. & control  
hosp. in Russia (Rus))

LAPKIN, I.I.; ANDREYCHIKOV, Yu.S.

Synthesis of esters of secondary  $\alpha$ -hydroxy acids of the  
acetylenic series. Zhur. ob. khim. 34 no.10:3183-3185 0 '64.  
(MIRA 17:11)

1. Permskiy gosudarstvennyy universitet.

LAPKIN, I.I.; ANDREYCHIKOV, Yu.S.

Synthesis of esters of  $\alpha$ -keto acids of the acetylene series.  
Zhur.org.khim. 1 no.3:480-483 Mr '65. (MIRA 18:4)

1. Permskiy gosudarstvennyy universitet.

LAPKIN, I.I.; ANDREYCHIKOV, Yu.S.

Chemistry of acetylenic keto acid esters. Part 1: Addition of  
primary amines to phenylethynylglyoxylic acid esters. Zhur.  
org. khim. 1 no.7:1212-1214 JI '65.

(MIRA 18:11)

1. Perm'skiy gosudarstvennyy universitet imeni A.M. Gor'kogo.

L 17710-63

EWP(q)/EWT(m)/BDS AFFTC/ASD JD/JG

ACCESSION NR: AP3004062

S/0076/63/037/007/1527/1531

AUTHORS: Polukarov, M. N.; Andreychikova, V. Ya.

TITLE: Effect of tin coatings on electric diffusion of hydrogen in steel

SOURCE: Zhurnal fizicheskoy khimii, v. 37, no. 7, 1963, 1527-1531

TOPIC TAGS: tin, tin coating, hydrogen, hydrogen diffusion,  $\text{SnSO}_4$ , NaOH, KOH,  $\text{H}_2\text{SO}_4$ , RM-50 testing machine, stannous sulfate, sulfuric acid

ABSTRACT: Authors studied the conditions under which tin coatings can be stimulators or inhibitors of electrolytically-separable hydrogen in steel. Authors used a method based on measurement of the change in rupture stress of a steel wire during its hydrogen absorption. This method permitted a conclusion to be made concerning the presence or absence of hydrogen absorption by the steel without any serious changes in the tin coating during period of experiment. Authors used a steel wire of 0.25 mm diameter. Rupture stress was 15.4 kg (316 kg/cm<sup>2</sup>). The wire was coated with tin and then rinsed in distilled water. The wire was then placed into an electrolytic cell filled with  $\text{H}_2\text{SO}_4$ , NaOH or KOH solutions, after which cathode polarization took place. Electrolyte was composed of  $\text{SnSO}_4$ ,  $\text{H}_2\text{SO}_4$ , gelatin, and phenol. The coatings were deposited from an electrolyte containing only  $\text{SnSO}_4$  and  $\text{H}_2\text{SO}_4$  in a part of the experiments. The rupture

Card 1/2

7  
ANDREYCHIN, M. A., student

Significance of antibiotic resistant strains of staphylococcus  
in the infectious process. Vrach. delo no.7:99-100 J1 '62.  
(MIRA 15:7)

1. Kafedra mikrobiologii (zav. - dotsent A. G. Vasilenko)  
Ternopol'skogo meditsinskogo instituta.

(ANTIBIOTICS) (STAPHYLOCOCCAL DISEASE)

ACC NR:AP6032644

SOURCE CODE: BU/0011/66/019/CO7/0587/0590

AUTHOR: Andreychin, R.; Getov, G.; Ivanova, P.

ORG: Physics Institute, Bulgarian Academy of Sciences (Fizicheskiy Institut Bolgarskoy Akademii Nauk)

TITLE: Effect of the passage of a direct current on the photo electromotive force in PbS films

SOURCE: Bulgarska akademiya na naukito. Doklady, v. 19, <sup>no. 7,</sup> 1966, 587-590

TOPIC TAGS: lead compound, direct current, photo EMF, *METAL FILM*

ABSTRACT: The article reports on the investigation of the nature of the additional photo EMF generated during the passage of a direct current through PbS films prepared by chemical precipitation but without a formation photo EMF. Immediately after precipitation their conductivity is of the p-type, and after thermal treatment of 560°C through 10 min. the conductivity changes to the n-type. For the most part gold electrodes featuring evaporation deposition of the films in a vacuum were used, and the photo EMF was measured with an electronic voltmeter having an input resistance of  $10^7$  ohms, and the short circuit photocurrent with a loop galvanometer having an internal resistance of 4 ohms. When the electrodes was shaded and the other with parts of the

Card 1/2

ANDREYCHIN, R

SEE ANDREICHIN, R.

L 01754-67

ENP(c)/EWP(t)/ETI

IJP(c) JD/JAJ/WH

ACC NR:

AP6035623

SOURCE CODE: DU/0011/65/018/011/0995/0998

ANDREYCHIN, R., SIMIDCHIYEVA, P., NIKIFOROVA, M., Physics Institute, Bulgarian Academy of Sciences [Original-language version not given]

Conductivity and Certain Photoelectric Properties of Glass-Like  $As_2S_3$   
Sofia, Doklady Bolgarskoy Akademii Nauk, Vol 18, No 11, 1965, pp 995-998

Abstract: [Russian article] The authors studied the properties of the  $As_2S_3$ - $As_2Se_3$  system and established that it exhibits high voltage polarization. Tests showed that 1) the conductivity does not depend on the field direction; 2) the polarization emf is almost proportional to the applied electric field; 3) the material has thermoelectric properties; 4) the average photopolarization (45 V) and photoconductivity (15) appeared independent on the applied field; 5) the true and residual photoconductivity approach quickly the saturation level; 6) there exists a photoelectric state; and 7) small silver admixtures (0.05 at/mol) destroy the photoelectric properties (photoelectric and photoconductivity) and increase manifold the ordinary conductivity. A discussion of these results is also given. The investigation was carried out in conjunction with the Physics-Engineering Institute im. A. F. Ioffe of the Academy of Sciences USSR in Leningrad (Laboratory of Prof. Kolomiya). This paper was presented by Academician G. Nadzhakov on 21 August 1965. Orig. art. has: 3 figures. [JPRS: 36,002]

TOPIC TAGS: photoconductivity, photoelectric property, arsenic compound, optic material  
Card 1/1pb SUB CODE: 11,20 / SUPM DATE: 21 Aug 65 / OTH REF: 003 / SOV. REF: 004  
0922 0023

L 36025-66 EWP(t)/ETI IJP(c) JD

ACC NR: AP6027345

SOURCE CODE: BU/0011/65/018/012/1079/1082

AUTHOR: Andreychin, R. V. Simidchieva, P.; Mikiiforova, M.

ORG: Section for Photoelectrical Phenomena in Semiconductors and Dielectrics, Institute of Physics, BAN

TITLE: Some electrical and physicochemical properties of silver doped vitreous As sub 2 S sub 3

SOURCE: Bulgarska akademiya na naukite. Doklady, v. 18, no. 12, 1965, 1079-1082

TOPIC TAGS: semiconductor, conductivity, arsenic compound, impurity conductivity, semiconductor band structure, electric polarization, silver

ABSTRACT: The understanding of the influence of impurities on the conductivity of amorphous and especially vitreous semiconductors is of prime importance for the interpretation of their band structure and the influence of the short-range order on their electric and semiconductive properties.  $As_2S_3$  investigated during the present work has the highest resistance of all the chalcogenides. The paper presents in tabular form the microhardness, softening temperature, high voltage polarization, and photoconductivity data gathered in collaboration with the laboratory of Prof. Kolomietz at the Ioffe Physics-Technical Institute of the Academy of Sciences of the USSR. While these results are only preliminary and do not warrant any definite conclusions, the presence of high voltage polarization seems to indicate that the band structure of the material and the distribution of the deep traps (if they do exist due to structure effects) remain quite unchanged. This paper was presented by Academician G. Nadjakov on 21 Aug 1965. Orig. art. has: 2 tables. /Orig. art. in Eng./ JPRS: 36,465/ SUB CODE: 20, 09 / SUBM DATE: 21Aug65 / ORIG REF: 001 / SOV REF: 007 / OTH REF: 002

9-66 EXP(0)/FNT(m)/BOL(1), ETI 100(0) 100(0) 100(0)  
ACC NR: AP6018573

SOURCE CODE: UR/0181/66/008/006/1951/1952

AUTHOR: Andreychin, R. Ye.; Getov, G. K.; Simidchiyeva, P. A.

ORG: Physics Institute of the Bulgarian Academy of Sciences, Sofia (Fizicheskiy institut Bolgarskoy AN)

TITLE: Effect of silver impurities on the intrinsic absorption edge of glasslike  $As_2O_3$

SOURCE: Fizika tverdogo tela, v. 8, no. 6, 1966, 1951-1952

TOPIC TAGS: arsenic compound, silver, optic absorption, absorption edge, semiconductor band structure, glass property, impurity level

ABSTRACT: This work is part of a joint investigation of the electric and photographic properties of glass-like semiconductors, carried out by the Physics Institute of the Bulgarian Academy of Sciences and the Physicotechnical Institute im. A. F. Ioffe in USSR. To check on the applicability of the band theory of solids to glass-like semiconductors, the authors synthesized glass-like  $As_2S_3$  by a procedure described by B. T. Kolomiyets et al. (in: Stekloobraznoye sostoyaniye, 456, 1960) and measured the effect of addition of silver on the shift of the optical absorption edge on optically polished samples as well as on natural crystals. The measurements were made with a monochromator (UM-2) and photomultipliers (FEU-19). The transition from the crystalline state to the glass-like state leads to a shift of the intrinsic absorption edge by 44 nm toward the longer wavelengths. Introduction of silver impurities causes a

Card 1/2

ACC NR: A16018573

further shift of the edge toward longer wavelengths. The shift is 20, 30, and 60 nm for impurity contents of 0.03, 0.106, and 0.09 Ag atoms per  $As_2S_3$  molecule. Impurity content larger than 0.1 leads to a strong decrease in the transparency of the samples. The dependence of the absorption coefficient on the wavelength of the incident light is independent of the temperature. The temperature coefficient of the shift of the absorption edge was  $-7 \times 10^{-4}$  ev/deg for both crystalline and glass-like  $As_2S_3$ . It is concluded from the results that silver does not produce active local levels, but forms a homogeneous complex with the main substance. This agrees with the assumption that the silver enters the chains making up the structure of the glass-like  $As_2S_3$  and shortens them, thus increasing their number. This assumption was advanced by the authors earlier (Dokl. Bolg. AN v. 18, 1079, 1965). The authors thank Professor Iv. Kostov (Mineralogy Department of the Sofia State University) for supplying the natural  $As_2S_3$  crystals, Doctor Vashko for optical measurements, and B. Kandilarov for a discussion of the results. Orig. art. has: 2 figures.

SUB CODE: 20/ SUBM DATE: 03Jan66/ SOV REF: 008

Cord 2/21/74P

ACC NR:AP6032644

SOURCE CODE: BU/0011/66/019/007/0587/0590

AUTHOR: Andreychin, R.; Getov, G.; Ivanova, P.

ORG: Physics Institute, Bulgarian Academy of Sciences (Fizicheskiy Institut Bolgarskoy Akademii Nauk)

TITLE: Effect of the passage of a direct current on the photo electromotive force in PbS films

SOURCE: Bulgarska akademiya na naukito. Doklady, v. 19, <sup>no. 7,</sup> 1966, 587-590

TOPIC TAGS: lead compound, direct current, photo EMF, *METAL FILM*

ABSTRACT: The article reports on the investigation of the nature of the additional photo EMF generated during the passage of a direct current through PbS films prepared by chemical precipitation but without a formation photo EMF. Immediately after precipitation their conductivity is of the p-type, and after thermal treatment of 560°C through 10 min. the conductivity changes to the n-type. For the most part gold electrodes featuring evaporation deposition of the films in a vacuum were used, and the photo EMF was measured with an electronic voltmeter having an input resistance of  $10^7$  ohms, and the short circuit photocurrent with a loop galvanometer having an internal resistance of 4 ohms. When the electrodes was shaded and the other with parts of the

Card 1/2

ACC NR: AP6032644

Pbs film illuminated, a photo EMF of 10-20 millivolts was observed. The illuminated electrode is always positive with respect to the unilluminated electrode. The results obtained relevant to the effect of adsorbed gases on the additional barrier photo EMF show that it is of the same nature as the formation photo EMF. This has been previously found by other investigators. The mechanism of how the additional photo EMF changes direction during the passage of a strong external current shall require further investigations. Orig. art. has: 2 figures.

SUB CODE: 09,20/ SUBM DATE: none/ SOV REF: 005/ OTH REF: 004

Card 2/2

L 42992-66 EWP(e) WH

ACC NR: AP6031798

SOURCE CODE: BU/0011/65/018/009/0805/0807

AUTHOR: Bonchev, L.; Andreychin, R.

ORG: Physics Institute, BAN

TITLE: Dielectric losses and dielectric permeability of the glass-like semiconductor  $As_2S_3$  containing silver admixture

SOURCE: Bulgarska akademiya na naukite. Doklady, v. 18, no. 9, 1965, 805-807

TOPIC TAGS: temperature dependence, dielectric loss, dielectric permeability, admixture, arsenic compound, semiconductor conductivity, semiconducting material, semiconductor band structure

ABSTRACT: Glass-like arsenic chalcogenides represent electronic p-type semiconductors. Their high ohmic representatives ( $As_2S_3$ - $As_2Se_3$ - $As_2Te_3$ ) exhibit, at the same time, properties of typical dielectrics. For the explanation of the band structure and the existence of admixture conductivity in glass-like states one must investigate and compare the electrical, optical, and dielectric properties of pure substances and of samples containing a certain amount of admixtures. The present paper gives results of the study of the temperature dependence of dielectric losses (at 700 Kc) and of the dielectric permeability (at 375 Kc) of pure and Ag added  $As_2S_3$  (for  $As_2S_3$ ,  $As_2S_3Ag$  0.12, and  $As_2S_3Ag$  0.25 the dielectric constant is 4.05, 4.75, and 5.55, respectively). This paper was presented by Academician G. Nadzhakov on 4 June 1965. The authors thank M. Nikiforov and P. Simidchiyev for preparing the research models. Orig. art. has: 2 figures, 11 PRS: 34, 525] SUB CODE: 09, 07 / SUBM DATE: 04 Jun 65 / ORIG REF: 001 / SOV REF: 002 / OTH REF: 002 Card 1/1

SHARKO, I.; ANDREYCHUK, A.

Work practice of State Bank branches. Den. i kred. 20 no.6:  
48-52 Je '62. (MIRA 15:6)

1. Upravlyayushchiy Lubenskim otdeleniyem Gosudarstvennogo banka  
(for Sharko). 2. Upravlyayushchiy Ratnovskim otdeleniyem  
Gosudarstvennogo banka (for Andreychuk).

(Lubny District--Banks and banking)

(Ratno District--Banks and banking)

L 00039-66 EWT(m)/ETC/EWG(m)/EWP(t)/EWP(b)/EWA(h) IJP(c) RDW/JD

ACCESSION NR: AP5023711

UR/0075/65/020/008/0812/0814

543.43 : 543.70

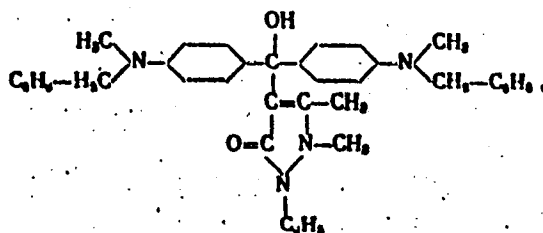
AUTHOR: Busev, A. I.; Tiptsova, V. G.; Bogdanova, Ye. S.; Andreychuk, A. M.

TITLE: Photometric determination of antimony impurities in tellurium

SOURCE: Zhurnal analiticheskoy khimii, v. 20, no. 8, 1965, 812-814

TOPIC TAGS: antimony, tellurium, photometric analysis, dye chemical antimony compound

ABSTRACT: The antipyrine dye 4,4'-bis(N-methyl-N-benzylaminophenyl)antipyril-carbinol



Card 1/2

L 00039-66

ACCESSION NR: AP5023711

3

reacts with  $\text{SbCl}_6^-$  ions to form a complex which can be completely extracted with benzene or toluene and has an absorption maximum at 585-590 m $\mu$ . This reagent was used to determine microgram quantities of antimony in tellurium. Prior to the analysis, the two metals must be separated; the separation is based on the difference in the redox potentials  $\text{Sb(III)Sb}^0$  and  $\text{Te(IV)Te}^0$ , which permits the selective and quantitative reduction of  $\text{Te(IV)}$  with a mixture of sulfite and hydroxine to the elemental state, while  $\text{Sb(III)}$  remains in solution. If the antimony content is less than  $5 \times 10^{-4}\%$  Sb, the weight of the sample must be increased to 1 g, but since the precipitation of tellurium would trap some of the antimony, it is necessary to concentrate the latter prior to the analysis. To this end, use was made of coprecipitation of antimony with telluric acid. The absolute sensitivity of the method is 0.2  $\mu\text{g}$  Sb in 5 ml of benzene, which for a 1 g sample amounts to  $2 \times 10^{-5}\%$ . Orig. art. has: 2 tables.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University); Moskovskiy institut stali i splavov (Moscow Institute of Steel and Alloys)

SUBMITTED: 09Feb65  
NO REF 60V: 003

ENCL: 00  
OTHER: 000

SUB CODE: CC, OP

*LVI*  
Card 2/2

LIPSHITS, B.M.; ANDREYCHUK, A.M.; AGAFONOVA, G.S.

Colorimetric determination of copper in metallic mercury. Zav.  
lab. 30 no.9s1075 '64. (MIRA 18:3)

1. Moskovskiy institut stali i splavov.

TIPTSOVA, V.G.; ANDREYCHUK, A.M.; BAZHANOVA, L.A.

Spectrophotometric determination of a mercury impurity in  
selenium by means of 1,5-di-( $\beta$ -naphthyl)-thiocarbazone. Zhur.  
anal. khim. 20 no. 11:1200-1203 '65 (MIRA 19:1)

1. Submitted June 12, 1964.

L 23363-66 EWT(m)/ETC(f)/EWG(m)/EWP(t) IJP(c) RDW/JD/JG

ACC NR: AP6008696

SOURCE CODE: UR/0075/65/020/011/1200/1203

AUTHOR: Tiptsova, V. G.; Andreychuk, A. M.; Bazhanova, L. A. 37ORG: Moscow Institute of Steel and Alloys (Moskovskiy institut stali i splavov) BTITLE: Spectrophotometric determination of mercury in selenium by means of 1,5-bis( $\beta$ -naphthyl)thiocarbazone 21

SOURCE: Zhurnal analiticheskoy khimii, v. 20, no. 11, 1965, 1200-1203

TOPIC TAGS: mercury, selenium, trace analysis, spectrophotometric analysis

ABSTRACT: A simple and highly sensitive method of determining mercury traces in selenium was developed in connection with the effect exerted on the semiconducting properties of selenium by mercury in amounts as low as  $10^{-7}$ - $10^{-9}\%$ . The complexing agent--1,5-bis( $\beta$ -naphthyl)thiocarbazone--forms a red complex with  $Hg^{2+}$  ions which is extractable with chloroform. The molar extinction coefficient at 620 m $\mu$  is  $(9.03 \pm 0.27) \cdot 10^4$ . Mercury can be separated from practically all elements by introducing a masking agent (complexon III); it can then be determined with a sensitivity of 0.2  $\mu$ g/5 ml, which corresponds to  $4 \cdot 10^{-6}\%$  for a 5 g sample of selenium. The sensitivity of the determination can be raised to  $1 \cdot 10^{-6}\%$  by using a 1 ml volume of the reagent solution in the final extraction. Orig. art. has: 2 figures, 1 table.

SUB CODE: 07,11/ SUBM DATE: 12Jun64/

ORIG REF: 008/

OTH REF: 004

Card 1/1 30

UDC: 543.43 : 543.70

ANDREYCHUK, I.A.; BADRAK, G.I.

Prestress ng lower cords in making girders. Suggested by I.A.  
Andreichuk, G.I. Badrak. Rats.i izobr.predl.v stroi. no.16:17-18  
'60. (MIRA 13:9)

1. Instruktory TSentral'nogo byuro Orgstroy.  
(Girders)

ANDREYCHUK, I.Ya., starshiy nauchnyy sotrudnik, kand.tekhn.nauk; GEMINA,  
E.A., starshiy inzhener

Work of electrode wave meters. Izv.VNIIG 59:193-199 '58.  
(MIRA 13:7)  
(Waves)  
(Hydraulic engineering--Research)

ANDRUYCHUK, A. Ye., starshiy nauchnyy sotrudnik, kand. techn. nauk

Height of wave wash on the slopes of structures under natural  
conditions. Izv. VNIIG 73:225-232 '63 (MIRA 28:1)

ANDREYCHUK, I.Ye.

Chromhidrosis. Vest.derm. i ven. 31 no.3:49 My-Je '57. (MIRA 10:11)

1. Iz Krymskogo oblastnogo kozhno-venerologicheskogo dispansera.  
(HEPATITIS, INFECTIOUS) (PERSPIRATION)

ANDREYCHUK, I.Ye.

Comparative evaluation of certain drugs giving protection  
against light and photo sensitivity. Vest.derm. i ven. 32 no.5:72  
S-0 '58 (MIRA 11:11)

1. Iz Krymskogo meditsinskogo instituta.  
(SKIN--DISNAPS)  
(LIGHT--PHYSIOLOGICAL EFFECT)

ANDREYCHUK, I.Ye.

Our experience in detecting sources of venereal infection. Vest.derm.  
i ven. 33 no.4:79-80 J1-Ag '59. (MIRA 12:11)

1. Iz Sudakskogo kozhno-venerologicheskogo kabineta Krymskoy oblasti.  
(VENEREAL DISEASES)

ANDREYCHUK, I.Ye., vrach

Pasternaca dermatitis. Vest.derm.i ven. 34 no.10:81 '60.

(MIRA 13:11)

1. Iz kozhno-venerologicheskogo kabineta Sudakskoy rayonnoy bol'-  
nitsy Krymskoy oblasti.

(SKIN—DISEASES)

ANDREYCHUK, I.Ye.

Nodular trichosporosis in the Crimea. Vest.derm. i ven. 34  
no.11:69-70 N '60. (MIRA 13:12)

1. Iz kozhno-venerologicheskogo kabineta (zav. I.Ye.Andreychuk)  
Sudakskoy rayonnoy bol'nitsy (glavnyy vrach A.P.Lyashchak)  
Krymskoy oblasti.  
(RINGWORM)

ANDREYCHUK, I.Ye.

Contact allergic dermatitis in men caused by the use of  
contraceptives. Vest. dermat. i ven. 37 no.1:81-82 Ja'63.  
(MIRA 16:10)  
1. Iz kozhno-venerologicheskogo kabineta (zav. I.Ye. Andreychuk)  
Sudakskoy rayonnoy bol'nitsy (glavnyy vrach A.P. Lyashchak)  
Krymskoy oblasti.  
(SKIN---DISEASES) (GENERATIVE ORGANS, MALE---DISEASES)  
(QUININE---PHYSIOLOGICAL EFFECT)

ANDREYCHUK, M. V.

"Study of the Pattern of Accumulation of Ascorbic Acid (Vitamin C) by the *Leaves* of Buckthorn, and Their Experimental Use in the Obtaining of Vitamin Preparations." Acad. Sci. Kazakh SSR, Inst. of Botany, Alma-Ata, 1955. (Dissertation for the Degree of Candidate of Biological Sciences)

SO: Knizhnaya Letopis', No. 22, 1955, pp 93-105

ANDREYCHUK, N.Ye.

Experience in the treatment of trichomona urethritis in men with  
DDT powder. Vest.derm.i von. 34 no.12:44 '60. (MIRA 14:1)

1. Iz kozhno-venerologicheskogo kabineta (zav. N.Ye. Andreychuk)  
Sudakskoy rayonnoy bol'nitsy (glavnyy vrach A.P. Lyashchak)  
Krymskoy oblasti.  
(TRICHOMINIASIS) (URETHR---DISEASES) (DDT)

ANDREYCHUK, T.

Workmen as patrons of rest homes. Okhr. truda i sots. strakh. 3  
no.8:23-25 Ag '60. (MIRA 13:9)

1. Zaveduyushchiy otделom sotsial'nogo strakhovaniya Leningradskogo  
sovprofa. (Leningrad Province--Labor rest homes)

RYABININ, D.D.; ANDREYCHUK, V.D.

Characteristics of rolls of a modernized design. Kauch.1  
rez. 21 no.9:26-31 S '62. (MIRA 15:11)

1. Kiyevskiy zavod "Bol'shevik" i Kiyevskiy politekhnicheskii  
institut.

(Rolls (Iron mills))

RYABININ, D.D., inzh.; ANDREYCHUK, V.I., inzh.

High-pressure rubber mixers. Mashinostroenie no.5:3-7 S-0 '63.  
(MIRA 16:12)

1. Kiyevskiy politekhnicheskij institut i Kiyevskiy zavod  
"Bol'shevik."

RYABININ, D.D.; ANDREYCHUK, V.D.

Selecting the neck packing for the rotor of rubber mixers.  
Kauch. i rez. 23 no.1:17-21 Ja '64. (MIRA 17:2)

1. Kiyevskiy politekhnicheskoy institut i Kiyevskiy zavod  
"Bol'shevik".

ANDREYCHUK, V.D., inzh.; POLYVYANYI, A.F., inzh.

Experience in the modernization of the "8.0" rollers at the  
"Bol'shevik" Plant. Khim.mashinostr. no.2:34-37 Mr-Ap '64.  
(MIRA 17:4)

ACC NR: AP7001204 (A,N) SOURCE CODE: UR/0407/65/000/05-/0117/0121

AUTHOR: Dekhtyar', L. I. (Kishinev); Beznosov, A. Ye. (Kishinev);  
Andreychuk, V. K. (Kishinev)

ORG: none

TITLE: Force method of determining residual stresses in coatings

SOURCE: Elektronnaya obrabotka materialov, no. 5-6, 1965, 117-121

TOPIC TAGS: metal coating, specialized coating, internal stress

ABSTRACT: Existing methods (such as G. Sachs', Z. f. Metallkunde, 19, 352, 1927) of determining residual stresses in various (electrolytic, electrospark, welded-on, metal-sprayed) metal coatings have serious drawbacks: they are inapplicable to those cases when elasticity moduli of the coating and the base metal are different; etching off the metal layers is associated with creating additional

Card 1/2

ACC NR: AP7001204

stresses; uniform etching is extremely difficult, etc. Hence, the veracity of results becomes questionable. A new method is suggested in which the residual stress is determined during the process of building-up the coating. A base-metal bar is rigidly fastened to a special holder, and a metal layer is deposited on one side only. Released from the holder, the bar buckles due to a residual stress. By applying a measured force to restore the bar to its original shape, the stress caused by the coating can be estimated. The bar then is fastened again to the holder, and the next layer is deposited, and so on. The method is claimed to be accurate and applicable to the different-base-coating-metals case. Orig. art. has: 4 figures and 14 formulas.

SUB CODE: 13 / SUBM DATE: none / ORIG REF: 006 / OTH REF: 001

Card 2/2