

ACC NR: AP6025601

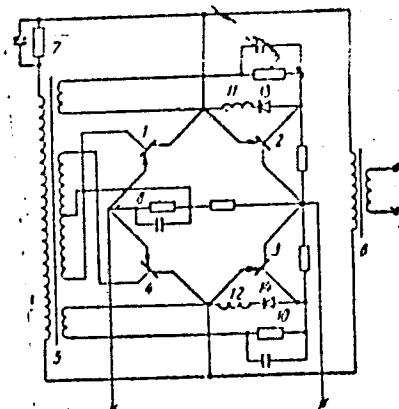


Fig. 1. 1-4 - transistors; 5 and 6 - transformers;
7-10 - copper resistors; 11 and 12 - inductors; 13
and 14 - diodes

Orig. art. has: 1 diagram.

SUB CODE: 09/ SUBM DATE: 15Sep64

Card 2/2

VERBITSKIY, M.Ye., inzh.

Means for decreasing the installational time of recently developed
one unit-blocks. Energ. stroi. no.34:18-20 '63. (MIRA 17:1)

1. Trest "Teploenergomontazh".

VANGENEYM, M.F., inzh; VERBITSKIY, M.Ya., inzh

Trouble in the performance of impulse safety devices of the TP-230-2
boiler. Elek.sta. 29 no.9:73-75 S '58. (MIRA 11:11)
(Boilers--Safety measures)

VERBITSKIY, M. Ye., inzh.

Experience in the installation of a 200 Mw block. Energ, stroi.
no. 30:8-12 '62. (MIRA 16:2)

1. Trest po montazhu teploelektrostantsiy.
(Boilers) (Steam turbines)

VERBITSKIY, Ye., inzh., master sports, champion USSR

Reductor for an airplane-model engine. Kryl. rod. 14 no.10:42-
46 0 '63. (MIRA 16:11)

TETERIN, A.; REVINSKIY, V.; VERBITSKIY, Ye., rabochiy.

From dolphin skin. Prom.koop. no.5:18 My '57. (MLBA 10:8)

1. Tekhnoruk arteli "Kozhevnik" (for Teterin). 2. Nachal'nik
zol'no-dubil'nogo tsekha (for Revinskiy)
(Dolphins)

VERBITSKIY, M.Ye., inzhener.

Stand for testing the tightness of air preheater sections.
Elek.sta.27 no.1:48 Ja '56. (MIRA 9:6)
(Boilers--Air preheating)

31

VERBITSKIY, M.Ye., inzhener.

Installing a gantry crane in a machine room. Elek. sta. 26
no.1:46-47 Ja '55. (MLRA 8:3)
(Cranes, derricks, etc.)

VERBITSKIY, M.Ye., inzh.; TSUKERNIK, I.A.

Assembling the TP-70 boiler. Energ. stroi. no.1:58-63 '59.
(MIRA 13:2)

1.Trest "Teploenergmontazh".
(Boilers)

VERBITSKIY, M. Ye.

AID P - 1523

Subject . USSR, Electricity

Card 1/1 Pub. 26 - 19/36

Author : Verbitskiy, M. Ye., Eng.

Title : Mounting boiler drums

Periodical : Elek. sta., 3, 47-48, Mr 1955

Abstract : The author describes the method applied at one of the power stations under construction in mounting a boiler of the TP-230-3 type. Three drawings

Institution: None

Submitted : No date

VERBITSKIY, M.Ye., inzh.

Possibility of construction of two 200 Mw. blocks within
one year period. Energ. strci. no.38:64-72 '64. (MIRA 17:10)

1. Treat "Donbassenergomontazh."

VERBITSKIY, N.N. (Moskva)

Studying the topic "Simple mechanisms" in grade 6. Fiz. v shkole 19
no.1:57-60 Ja-F '59. (MIRA 12:3)

1. 715-ya shkola. (Mechanics--Study and teaching)

VERBITSKIY, P.G.

Changes in clayey minerals during podzolization process. Dokl. AN
SSSR 162 no.5:1165-1167 Je '65. (MIRA 18:7)

1. Leningradskiy gosudarstvennyy universitet im. A.A.Zhdanova. Sub-
mitted January 28, 1965.

1. VERBITSKIY, P. G.

2. USSR (600)

4. Pegmatites; Diabase

7. Micropegmatic intergrowths in quartz diabases of the middle Dnieper valley., Dokl. AN SSSR, 81, No. 6, 1951. Recd. 20 Aug. 1951.

9. Monthly List of Russian Accessions, Library of Congress, May 1952.
Unclassified.

VERBITSKIY, P.O.

Scapolitization of amphiboles. Doklady Akad. Nauk S.S.S.R. 86, 165-7 '52.
(CA 47 no.14:6830 '53) (MLRA 5:9)

1. Dnepropetrovskiy Gornyy Inst. Artama.

VERBITSKIY, P.G.

Crystallization properties of cast stone products. Trudy DKHTI
no.10:113-116 '60. (MIRA 14:1)

(Stone, Cast)

VERBITSKIY, P.G.

Metadiabases of the Apollonovka Station as a raw material for
cast stone. Trudy DKHTI no.10:117-122 '60. (MIRA 14:1)
(Metadiabase) (Stone, Cast)

VERBITSKIY, P., normirovshchik (g. Gor'kiy); NIKOLAYEVA, M.; GORBANEV, V.
(g.Orel)

Letters to the editors. Sov. profsoiuzy 16 no.24:57 D '60.
(MIRA 14:1)

(Socialist competition)

(Trade unions)

TRIFONOVA, L.F.; BOYCHUK, V.A.; VERBILSKIY, P.G.; PANTYUKHIN, A.I.

Characteristics of some soil forming rocks in the Valdai Hills
and the 'I'men' Lowland. Vest. IGU 20 no.3:115-125 '65. (MIRA 18:2)

ACCESSION NR: AT4030807

S/0000/63/000/000/0262/0272

AUTHOR: Belyayev, G. I.; Smakota, N. F.; Verbitskiy, P. G.; Barinov, Yu. D.

TITLE: On the interaction of borosilicate melts with certain metals and oxides

SOURCE: AN UkrSSR. Institut metallokeramiki i spetsial'nykh splavov. Poverkhnostnyye yavleniya v rasplavakh i protsessakh poroshkovoy metallurgii (surface phenomena in liquid metals and processes in powder metallurgy), Kiev, Izd-vo AN UkrSSR, 1963. 262-272

TOPIC TAGS: borosilicate, oxide, vitreous covering, metal ceramic material, silicate, steel, sodium borosilicate glass

ABSTRACT: In this paper the authors studied the process of the reaction of steel with sodium borosilicate glasses of different acidity. It was shown that in compositions of metal glass at high temperatures, a chemical reaction of phases occurs which is accompanied by the solution of the metal, the enrichment of the alloy by its oxides, and a separation of gases which leads to the expansion and formation of a foamy structure near the interphase boundary. It was established that the nature of the silicate melt has a considerable effect on the speed of dissolution of the steel samples; the solubility of steel increases with an increase in the alkalinity

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ACCESSION NR: AT4030807

of the glass. The intensity of the expansion of the borosilicate alloy rises with the increase of the glass alkalinity. Metals have a great effect on the expansion. An insignificant expansion of the alloy was observed in the reaction with nickel, copper, and molybdenum; compositions consisting of glass with powdered iron, cobalt, or chromium additives, expand strongly. It was shown that the solubility of the iron oxides decreases with an increase in the acidity of the glass. In pure boron anhydride, ferric oxide practically does not dissolve. Orig. art. has: 11 figures and 1 table.

ASSOCIATION: Dnepropetrovskiy khimiko-tekhnologicheskii institut (Dnepropetrovsk Chemical Engineering Institute)

SUBMITTED: 23Nov63

DATE ACQ: 16Apr64

ENCL: 00

SUB CODE: ML

NO REF SOV: 004

OTHER: 004

Card 2/2

VERBITSKIY D G

VERBITSKIY, S.

We are improving the administrative apparatus. Fin. SSSR 38 no.1:73-74
Ja '64. (MIRA 17:2)

1. Nachal'nik shtatnogo otдела Kirovskogo gorodskogo finansovogo otдела.

VERBITSKIY, S.

Planning production and the role of State Bank branches. Den.
i kred. 20 no.4:13-20 Ap '82. (MIRA 15:4)
(Industrial management) (Banks and banking)

1.01223-07 EWI(1) GW

ACC NR: AT6032429

SOURCE CODE: UR/3133/66/000/009/0029/0031

AUTHOR: Petkevich, G. I.; Verbitskiy, T. Z.

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B+1

ORG: L'vov Branch, Institute of Geophysics, AN UkrSSR (L'vovskiy filial Instituta geofiziki AN UkrSSR)

TITLE: Velocities and attenuation of elastic waves in sedimentary rocks ✓

SOURCE: AN UkrSSR. Mezhdovedomstvennyy geofizicheskiy komitet. Informatsionnyy byulleten', no. 9, 1966. Geofizika i astronomiya, 29-31

TOPIC TAGS: seismic wave, sedimentary rock, elastic wave, longitudinal wave, transverse wave, ultrasonic measurement

ABSTRACT: The author presents a short description of the procedure and results of the study of velocities and attenuation of elastic waves in sedimentary rocks with fillers (distilled water, kerosene, and NaCl solution) under effective loads. The investigation of rock samples was conducted in a special core-holding bomb which permitted the measurement of longitudinal and shear wave velocities at axial and lateral pressures up to 1000 atm, hydrostatic pressure of 300 atm, and temperature up to 90C. The core-holding bomb made it possible to replace pore fluids and to register the volumetric charge of the pore spaces. The measurement was performed by the pulse method at frequencies of 500 kcps. Based on an analysis of the experimental data, it was concluded that attenuation of longitudinal waves decreased with

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ACC NR: AT6032429

increasing effective pressure. The change in attenuation characteristics exhibited an inverse relationship to the change in velocity characteristics. It was also noticed that the attenuation characteristics of longitudinal waves are influenced by the fluid saturation of the sample. The investigation of rock samples made it possible to test ultrasonic measurements under conditions close to those prevailing in situ at depths up to 5 km. [BA]

SUB CODE: 0830/SUBM DATE: none/ ORIG REF: 005/

Card 2/2 *egh*

VERBITSKIY, T. K.

Farm Buildings

Four million rubles for a new construction project. Sel'. stol. No. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 1952/1953, Uncl.

VERBITSKIY, T.N.

Collective Farms

Four million rubles for a new construction project. Sel'. stroi., No. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 1952, ~~1953~~ 1953. Unclassified.

BOGOMOLOV, G.I. [Bogomolov, G.I.]; [Bogomolov, G.I.]

Use of perforated rods saturated with PZT for measuring the
velocities of longitudinal elastic waves. Izv. AN SSSR Ser. Fiz.-
Mat. Nauki, No. 11, 1973, pp. 1470-1473. (Sov. Phys. Solid State, 1974)

1. D'vovskiy filial Instituta geofiziki AN SSSR.

PETKEVICH, G.I.; VERBITSKIY, T.Z.

Velocities of longitudinal elastic waves in rocks impregnated
with liquids. Geofiz. sbor. no. 5:93-97 '63. (MIRA 17:5)

1. Lvovskiy filial Instituta geofiziki AN UkrSSSR.

VERBITSKIY, T.Z. [Verbyts'kyi, T.Z.]

Radiation from a loop antenna in an electroconductive medium.
Dop. AN URSR no.9:1165-1168 '61. (MIRA 14:11)

1. Predstavleno akademikom AN USSR V.B.Porfir'yevym [Porfir'yev, V.B.]
(Antennas(Electronics))
(Electric prospecting)

PETKEVICH, G.I.; VERBITSKIY, T.Z.; RIZNIK, Ya.Ye.

Propagation velocity of elastic waves in reservoir fluids. Geofiz.-
sbor. no.1:79-84 '62. (MIRA 16:3)

1. L'vovskiy filial Instituta geofiziki AN UkrSSR.
(Elastic waves) (Oil field brines)

VERBITSKIY, T.Z.

Possibility of using spectrum analysis in electric prospecting.
Geofiz.sbor. no.1:107-111 '62. (MIRA 16:3)

1. L'vovskiy filial Instituta geofiziki AN UkrSSR.
(Spectrum analysis) (Electric prospecting)

VERBITSKIY, V.A.; GANF, A.I.; SAZONOV, A.M.

A highly stable thermocontroller. Zav. lab. 31 no.9:1145-1146 '65.
(MIRA 18:10)

1. Leningradskiy elektrotekhnicheskii institut.

VERBITSKIY, V.D.; CHAPCHIKOV, N.S.

New semiautomatic table-type 348 sand slinger designed by the
Scientific Research Institute for the Tractor and Motor Vehicle
Industry. Lit.proizv. no.11:18-21 N '61. (MIRA 14:10)
(Coremaking--Equipment and supplies)

AMEL'YANOVICH, K.K., Imenno VEDNITSKIY, V.D., izob.

Mesh-reinforced concrete as shipbuilding material. Sudostroenie
30 no.12:38-41 D '64. (MIRA 12:6)

L 1896-66 EWT(m)/EWP(v)/T/EWP(t)/EWP(k)/EWP(b)/EWA(c) JD/HM

ACCESSION NR: AP5021576

UR/0286/65/030/013/0049/0049
621.791.89

33
B

AUTHOR: Petrov, A. V.; Verbitskiy, V. G.; Slavin, G. A.

TITLE: Constricted arc welding Class 21, No. 172423

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 13, 1965, 49

TOPIC TAGS: arc welding, constricted arc welding, thin sheet arc welding

ABSTRACT: An Author Certificate has been issued for a method of constricted arc welding of thin sheet materials. The welding is done with a closed constricted arc using a miniature chamber pressed at a definite pressure to the parts being welded and moved along the weld. [MS]

ASSOCIATION: none

SUBMITTED: 19Jan63

ENCL: 00

SUB CODE: IE

NO REF SOV: 000

OTHER: 000

ATD PRESS: 4090

Card 1/1 *ll*

S/137/61/000/012/098/149
A005/A10:

AUTHOR: Verbitskiy, V.S.

TITLE: Experimental determination of some factors in electric arc welding

PERIODICAL: Referativnyy zhurnal. Metallurgiya, no. 12, 1961, 22, abstract
12E127 ("Tr. Ufimsk. aviats. in-ta", 1960, no. 5, 101 - 105)

TEXT: The author analyzes some preliminary results of determining the factors of fusion, building-up, and loss by burning and spatter in manual arc welding on d-c of direct polarity, with chalk-coated electrodes. Welding was performed on a CVP-2P (300-2R) type machine. Beads were built-up on 8 - 10 mm thick grade "2" steel specimens. The electrodes were made of CBI (SV1) wire of conventional diameters. Recommendations are given as to investigation methods and determining of optimum welding conditions.

V. Klyuchnikova

[Abstracter's note: Complete translation]

Card 1/1

VERBITSKIY, V.I.; VUL'FSON, I.N.; PETROVA, R.F.

Hormonal therapy for nephritis in children. Vop.okh.mat.i det.
7 no.8:12-18 Ag '62. (MIRA 15:9)

1. Iz kafedry gospital'noy pediatrii (zav. - prof. K.F.Popov)
II Moskovskogo meditsinskogo instituta imeni N.I.Pirogova i
Detskoy gorodskoy klinicheskoy bol'nitsy imeni I.V.Rusakova
(glavnyy vrach - dotsent V.A.Kruzhkov).
(KIDNEYS—DISEASES) (HORMONE THERAPY)

VERBITSKIY, V.I.

Change in electrophoretic profile of blood serum proteins in acute nephritis in children. Sov. med. 25 no.8:66-71 Ag '61. (MI:R 15:1)

1. Iz kafedry gospital'noy pediatrii (zav. - prof. K.F.Popov)
II Moskovskogo meditsinskogo instituta imeni N.I.Pirogova (dir. -
dotsent M.G.Sirotkina).
(KIDNEYS---DISEASES) (BLOOD PROTEINS)

VERBITSKIY, V.K., inzhener.

Remodeling high-pressure water heaters model RIP-200.

30 Je '53.

Energetik 1 no.1:28-

(MLRA 6:8)

(Boilers)

VERBITSKIY, V.M., inzh.; ZITSER, I.S., inzh.; PANYUSHKIN, P.P., inzh.;
RIVKIN, I.D., kand.tekhn.nauk

Production of solid crystalline cast material from basic types
of blast-furnace slag. Stroi.mat. 8 no.11:14-16 N '62.
(MIRA 15:12)

(Slag)

(Building materials)

VERBITSKIY, V.M., inzh.; ZITSER, I.S., inzh.; KIRBYEV, V.D., inzh.; KOROLEV, I.
~~M., inzh.~~

Stand for testing the performance of mine supports. Shaiht. stroi. 8
no.8:17 Ag '64. (MIRA 17:9)

1. Nauchno-issledovatel'skiy yomordaniy institut, Krivoy Rog.

VERBITSKIY, V.M., inzh.; ZITSER, I.S., inzh.

Precast mine supports made from waste products from dressing iron
quartzite. Shakht.stroi. 5 no.4:17-20 Ap '61. (MIRA 14:5)

1. Nauchno-issledovatel'skiy gornorudnyy institut.
(Mine timbering) (Precast concrete)

VERBITSKIY, V.P.

BULYGIN, I.K., gvardii mayor med.sluzhby, FILIN, V.N., gvardii mayor med.
sluzhby, VERBITSKIY, V.P., gvardii kapitan med.sluzhby

Treatment of closed diaphyseal fractures of the femur by internal
fixation in a field hospital. Voen.med.zhur. no.12:54-55 D'57 (MIRA 11:5)
(HIP, fractures,
nailing in field hosp. (Bus))

СЛОБОДСКОГО, А.Л., профессор; ГЛАНТС, Р.М., старший научный сотрудник; БРУШИЦЫНА, М.П.; ВЕРБИТСКИЙ, В.П.; ОРЛЕНКО, Ю.М., директор; ОВСИЙЕНКО, И.И., доцент, директор.

Certain data on the role of the cerebral cortex in the pathogenesis of reactions which occur following transfusion of different-type blood. Vest. khir. 73 no.4:9-13 J1-Ag '53. (MLDA 6:8)

1. Ukrainskiy nauchno-issledovatel'skiy institut perelivaniya krovi (for Orlenko).
2. Ukrainskiy institut usovershenstvovaniya vrachey (for Ovsiyenko). (Blood--Transfusion) (Brain)

VERBITSKIY, V.S.

Cholesteatoma of the nasal cavity. Vest. oto-rin. 18 no.1:71-72
Ja-F '56. (MIRA 9:6)

1. Iz kliniki bolesney ukha, gorla i nosa (zaveduyushchiy kafedroy
professor K.A. Drennova) Tashkentskogo instituta usovershenstvovaniya
vrachey.

(NOSE--TUMORS)

SECRET

... the ...
... the ...
... the ...

SOV/85-58-12-7/38

AUTHORS: Verbitskiy, Ye., European Champion in Model Aircraft Building;
Skvorchevskiy, Yu., Khar'kov

TITLE: We Shall Improve Our Skill (Budem sovershenstvovat' svoye masterstvo)

PERIODICAL: Kryl'ya rodiny, 1958, Nr 12, p 4 (USSR)

ABSTRACT: The authors tell of the records established by students of the Khar'kov Institute in model aircraft building. Some 50 sportsmen are now in training at the Institute's laboratory in model aircraft building.

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MALICHENKO, M.; VERBITSKIY, Ye.; KIZRYAKOVA, A.; RATNIKOVA, A.; TELIGA, Yelena
(g. Uzhgorod, Zakarpatskoy oblasti); GAGANOVA, Valentina Ivanovna
(g. Vyshniy Volochek, Kalininskoy oblasti).

Following the example of Valentina Gaganova. Prom.koop. 13
no.12:26-27 D '59. (MIRA 13:4)

1. Nachal'nik otдела orgmassovoy raboty i kadrov gorpromsoвета, Kiyev (for Malichenko).
2. Starshiy instruktor otдела orgmassovoy raboty i kadrov kraypromsoвета, Krasnodar (for Verbitskiy).
3. Predsedatel' pravleniya arteli "22-ya godovshchina Oktyabrya," Stalingrad (for Kizryakova).
4. Predsedatel' pravleniya arteli "Indposhiv," Belgorod (for Ratnikova).
5. Brigadir mebel'shchikov uzhgorodskoy arteli "Peremoga" (for Teliga).
(Socialist competition)

BARANOVSKIY, Mikhail Adamovich; VERBITSKIY, Yevgeniy Ivanovich;
INTYAKOVA, N.G., kand. tekhn. nauk, red.; GURIN, N., red.;
VARENIKOVA, V., tekhn. red.

[Drop-forging of liquid metals] Shtampovka zhidkikh metallov.
Minsk, Gosizdat BSSR, 1963. 73 p. (MIRA 16:5)
(Die casting) (Forging)

VERBICHEV, K. KH.

Verbichev, K. Kh. "A short outline of some fettling material locations in the region of the middle course of the Lesser and Greater Laba," Trudy Novocherkas. politekhn. in-ta im. Srdzhonikidze, Vol. XVII, 1948, p. 61-67 - Bibliog: 5 items

SO: U-3264, 10 April 1953, (Letopis 'Zhurnal 'nykh Statey, no. 3, 1949)

VERBITSKAYA, T. N.

USSR/Physics - Piezoceramics

21 Mar 53

"Peculiarities of Behavior of Piezoceramics Near the Curie Point," N. P. Bogoroditskiy and T. N. Verbitskaya

DAN SSSR, Vol 89, No 3, pp 447-449

Test behavior of piezoceramics under various conditions and describe the results. Plot curves presenting dependence of capacitance on electric field and describe aging of materials. Presented by Acad A. F. Ioffe
6 Dec 52.

272T79

VERBITSKIY, S.

Increase the economic level and effectiveness of control over
wage fund disbursements. Den.i kred. 18 no.6:27-34 Je '60.

(MIRA 13:6)

(Banks and banking) (Wages--Accounting)

~~VERBITSKIY, S.; CHEKHONIN, B.~~

Intensification of strikes by Japanese workers. Sov. profsoizny
6 no.4:84-87 Ap '58.

(Japan--Strikes and lockouts)

(MIRA 11:5)

Author's

VERBITSKIY T. Z.

28691

S/021/61/000/009/009/012
D274/D304

9.1920

AUTHOR: Verbyts'kyi, T.Z.

TITLE: Radiation of loop antenna in an electrically-conducting medium

PERIODICAL: Akademiya nauk UkrSSR. Dopovidi. no. 9, 1961, 1165-1168

TEXT: The field conditions of geophysical investigations require compact and light equipment. Hence the a.c.-loop antennas are small; the overall loop perimeter is smaller than the wavelength, and the magnitude of the current is the same at all the points of the loop. The length of the equivalent dipole of a single-loop antenna is expressed by formula

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$$l_e = \frac{27S}{\lambda} \quad (1)$$

where S is the loop area. The radiation resistance R_e is expressed
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Radiation of loop ...

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by

$$R_{\Sigma} = \frac{8}{3} \pi^3 \frac{S^2}{\lambda^4} \rho \quad (2)$$

where ρ is the resistance of the medium. In the frequency range used for a.c.-geophysical surveys, ($f = 0.1-1 \cdot 10^7$ cycles), the surface layer of the earth is a good conductor. If an antenna with

$$l_{e_0} = \frac{2\pi S}{\lambda_0} \quad (4)$$

$$R_{\Sigma_0} = \frac{8}{3} \pi^3 \frac{S^2}{\lambda_0^4} \rho_0 = 320\pi^4 \frac{S^2}{\lambda_0^4} \quad (5)$$

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Radiation of loop ...

is carried from air (μ_0, ϵ_0) into a conducting medium, then

$$l_e = \frac{2\pi S}{\lambda} = \frac{2\pi S}{\lambda_0} \sqrt{\frac{\epsilon}{2\omega\epsilon_0} \cdot \frac{\mu}{\mu_0}} \quad (6)$$

$$R_\Sigma = \frac{8}{3} \pi^3 \frac{S^2}{\lambda^4} e = \frac{8}{3} \pi^3 \frac{S^2}{\lambda_0^4} \left(\frac{\epsilon}{2\omega\epsilon_0} \cdot \frac{\mu}{\mu_0} \right)^2 \cdot \sqrt{\frac{\omega\mu}{\epsilon}} \quad (7) \quad \text{H}$$

(g denotes the conductance), and its equivalent length and resistance are increased by

$$m = \frac{l_e}{l_{e_0}} = \sqrt{\frac{\epsilon}{2\omega\epsilon_0} \cdot \frac{\mu}{\mu_0}} \quad (8)$$

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Radiation of loop ...

and

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$$n = \frac{R_{\Sigma}}{R_{\Sigma_0}} = \left(\frac{R}{2\omega\epsilon_0} \cdot \frac{\mu}{\mu_0} \right)^2 \cdot \frac{\sqrt{\frac{\omega\mu}{R}}}{\sqrt{\frac{\mu_0}{\epsilon_0}}} = \frac{1}{4} \frac{R}{\omega\epsilon_0} \left(\frac{\mu}{\mu_0} \right)^2 \sqrt{\frac{R}{\omega\epsilon_0} \frac{\mu}{\mu_0}} \quad (9) \quad \text{LH}$$

respectively. In this case the power of radiation P_{Σ} is expressed by

$$P_{\Sigma} = \frac{R_{\Sigma} I^2}{2} = \frac{\omega^2 \mu^2 S^2 I^2 R}{48\pi} \sqrt{\mu R \omega} = \frac{\omega^2 \mu^2 S^2 I^2 R}{24\pi} \alpha \quad (10)$$

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Radiation of loop ...

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Further, the depth of survey is calculated for an antenna placed in an infinite conducting medium. The relative increase (with respect to air as a medium) in depth is expressed by

$$\frac{\Delta z}{z_1} = \frac{z_2 - z_1}{z_1} \approx \frac{\ln \frac{H_{02}}{H} - \ln \frac{H_{01}}{H}}{\ln \frac{H_{01}}{H}} = \frac{\ln \frac{H_{02}}{H_{01}}}{\ln \frac{H_{01}}{H}}; \quad (14)$$

$$\frac{\Delta z}{z_1} \approx \frac{\ln m}{\ln \frac{H_{01}}{H}}$$

where H is the magnetic field-strength. An example is given which shows that if the loop antenna is moved from air into ground to a depth of 1 m., the depth of survey increases by 20% even under most unfavorable conditions. In practice, the increase in depth

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Radiation of loop ...

is somewhat lower, as the simplifying assumptions leading to formula (14) do not hold. Thus, a loop antenna of thinly-insulated wire has greater equivalent length, resistance and power if it is carried from air into a conducting medium. This effect increases with decreasing frequency and increasing conductivity and permeability of the medium. The described property of loop antennas might be used in surveys involving surface layers of high conductivity. There are 3 Soviet-bloc references.

41

ASSOCIATION: Instytut geologii korysnykh AN USSR (Geological Institute of Useful Minerals AS UkrSSR)

PRESENTED: by Academician V.B. Porfir'yev, AS UkrSSR

SUBMITTED: January 27, 1961

Card 6/6

9.4179

81000
S/C58/60/000/006/011/040
A005/A001

Translation from: Referativnyy zhurnal, Fizika, 1960, No. 6, p. 182, # 14202

AUTHORS: Rekalova, G.I., Verbitskiy, V.A.

TITLE: The Synthesis of Semiconductor Single Crystals of Indium Antimonide Compound

PERIODICAL: Izv. Leningr. elektrotekhn. in-ta, 1959, No. 3, pp. 300-302

TEXT: InSb single crystals were grown at a specially developed unit by the Chokhral'skiy method in an inert gas atmosphere. The initial In and Sb were subjected to zonal recrystallization purification. The primer extraction was started after a two-hour mixing of the smelt and performed while rotating the crucible. It is necessary to orient the primer corresponding to the 110-plane to avoid the degeneration of individual faces during growing.

A.Ya. Frecbrazhenskiy

Translator's note: This is the full translation of the original Russian abstract.

Card 1/1

VERBITSKIY, Ye., champion Yevropy po aviamodelizmu; SKVORCHEVSKIY, Yu.
~~(Khar'kov)~~

We will improve our own skill. Kryl.rod. 9 no.12:4 D '58.
(MIRA 12:2)
(Khar'kov--Airplanes--Models)

YERKOL-AI, Ya. D.

115

PHASE I BOOK EXPLOITATION

SOV/5411

Konferentsiya po fiziko-khimicheskim osnovam proizvodstva stali. 5th,
Moscow, 1959.

Fiziko-khimicheskiye osnovy proizvodstva stali; trudy konferentsii
(Physicochemical Bases of Steel Making; Transactions of the
Fifth Conference on the Physicochemical Bases of Steelmaking)
Moscow, Metallurgizdat, 1961. 512 p. Errata slip inserted.
3,700 copies printed.

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

Responsible Ed.: A. M. Samarin, Corresponding Member, Academy
of Sciences USSR; Ed. of Publishing House: Ya. D. Rozentsveyg.
Tech. Ed.: V. V. Mikhaylova.

Card 1/16

113

Physicochemical Bases of (Cont.)

SOV/5411

PURPOSE: This collection of articles is intended for engineers and technicians of metallurgical and machine-building plants, senior students of schools of higher education, staff members of design bureaus and planning institutes, and scientific research workers.

COVERAGE: The collection contains reports presented at the fifth annual convention devoted to the review of the physicochemical bases of the steelmaking process. These reports deal with problems of the mechanism and kinetics of reactions taking place in the molten metal in steelmaking furnaces. The following are also discussed: problems involved in the production of alloyed steel, the structure of the ingot, the mechanism of solidification, and the converter steelmaking process. The articles contain conclusions drawn from the results of experimental studies, and are accompanied by references of which most are Soviet.

Card 2/18

Physicochemical Bases of (Cont.)	SOV/5411	2
Dynamics of Processes in the Converter Molten Metal		227
Levenets, N. P., V. M. Pobegaylo, A. M. Samarin, and A. Ye. Khlebnikov. Laboratory Experiments in Blowing Naturally Alloyed Pig Irons		237
[Correct title in the text: Oxidation of Chromium and Phosphorus in Oxygen Top-Blowing of Metal]		
Sobakin, M. P., and Ya. D., Verbitskiy, Study by Modeling of the Molten-Metal Hydrodynamics in a Converter During Decarburization		245
[Senior Engineer V. N. Shashkov and Foreman M. Ye. Novikov participated in the research work]		
Kvitko, M. P. Processing of Pig Iron With a High Manganese Content (4%-8%) in a Converter With the Use of the Oxygen [Blast]		256

Card 10/16

ACC NR: AP7007294

SOURCE CODE: UR/0020/67/172/003/0572/0575

AUTHOR: Deynega, Yu. F.; Verbitskiy, Ya. A.

ORG: Institute of General and Inorganic Chemistry, Academy of Sciences, UkrSSR (Institut obshchey i neorganicheskoy khimii Akademii nauk UkrSSR)

TITLE: Rheological properties of plastic lubricants and rotary resistance of rolling friction bearings at low speeds

SCURCE: AN SSSR. Doklady, v. 172, no. 3, 1967, 572-575

TOPIC TAGS: ball bearing, lubricant property, lubricant viscosity, *elasticity roller bearing, plastic lubricant, test method*

ABSTRACT: The authors point out that most investigations of the elastic properties, strength, and viscosity of lubricants and their effects on roller bearings do not deal with the rotary resistance at low and very low speeds. They therefore investigated a radial-thrust two-row bearing (type ATsKB2339), using a test setup in which the speed could be varied between 2.5×10^{-4} and 3000 rpm. An electromagnetic clutch afforded breaking of the rotor within 0.1 sec, and special devices were used to apply loads to the inner races of the bearing and to measure the various forces. Sodium (VNIINP-223) and lithium (TsIATIM-201) lubricants were tested. The results indicate that there is a qualitative correspondence between the behavior of various lubricants in rolling friction bearings and in devices with coaxial cylinders at low speeds. At speeds down to ~5 rpm the two lubricants exhibited similar friction resistance, approximately equal to that of dioctylsebacinate oil (which was used for comparison). At low

Card 1/2

UDC: 665.4: 621.822.6

ACC NR: AF7007294

speeds, however, the two plastic lubricants had much higher friction resistance than oil. Furthermore, at a speed below some critical value the friction torque was not constant, but exhibited a jumplike self-oscillation, which varied from sample to sample. The behavior of the friction in the bearing at low speeds depended also on the prior direction of rotation, owing to different orientation-dependent effects at the point of contact between the balls and the races of the bearing. To explain the phenomenon, tests were made of the rheological properties of the lubricants at low shear rates, using a rotary plastoviscosimeter. At low speeds, spontaneous oscillations of the shear stress were observed, owing to reversible spontaneous disintegration and recovery of the structure with a periodicity that depends both on the nature of the lubricant and on the rigidity of the dynamometer. The authors thank G. V. Vinogradov for valuable advice during the discussion of the work. This report was presented by Academician P. A. Rebinder 28 March 1966. Orig. art. has: 2 figures.

SUB CODE: 11,13/

SUBM DATE: 17Feb66/

ORIG REF: 010/

OTH REF: 004

[02] [WA-28]

Card 2/2

VERBITSKIY, YA. D.

КОНВЕРТЕРНОЕ ПРОИЗВОДСТВО СТАЛИ

В.И.Востановичев Исследования влияния содержания и соотношения элементов в конвертерной ванне.

В.М.Побережье Лабораторные опыты на прядках передельно-переходных чугунов.

Н.П.Лавочкин
А.Е.Хабаров
А.М.Самарин Исследования на моделях газоплавильной конвертерной ванны.

М.П.Соболев
В.Д.Фердинанд
М.П.Козлов Периоды чугуна с амальгамой карбонистых металлов в конвертере и проливании слезы.

М.М.Шуко Выплавка стали в конвертере из передельно-переходного ферросплавного чугуна.

Т.В.Андреев
В.Е.Гурвич
В.Д.Зинченко Определение оптимальных условий выплавки стали, дефосфорации и обуглероживания при непрерывном литье передельно-переходных чугунов в конвертере.

В.И.Востановичев
Ю.А.Дубровская Исследования ограниченности конвертерной стали при работе газоплавильной ванны.

А.И.Мазур
А.С.Осипов Содействие газу в ванне при выплавке передельно-переходного ферросплавного чугуна в проливании слезы.

С.Г.Абросов
М.М.Шуко
М.П.Козлов Исследования влияния температуры выплавки на содержание серы в передельно-переходном чугуне.

Report submitted for the 5th Physical Chemical Conference on Steel Production, Moscow-- 30 Jun 1959.

V
BERBITSKIY, Ye. I., Cand Tech Sci -- (diss) "Study of the
process of stamping liquid pig iron." Minsk, 1957. 13 pp
(Min of Higher Education USSR, Belorussian Polytechnic Inst
im I. V. Stalin), 100 copies (KL, 1-58, 117)

- 46*-

VERBITSKIY, YE. I.

137-58-5-9607D

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 5, p 109 (USSR)

AUTHOR: Verbitskiy, Ye. I.

TITLE: An Investigation of a Process for Forging Liquid Iron (Issledovaniye protsessa shtampovki zhidkogo chuguna)

ABSTRACT: Bibliographic entry on the author's dissertation for the degree of Candidate of Technical Sciences, presented to the Belorussk. politekhn. in-t (Belorussian Polytechnic Institute), Minsk, 1957

ASSOCIATION: Belorussk. politekhn. in-t (Belorussian Polytechnic Institute), Minsk

1. Iron (Liquid)--Forging

Card 1/1

SOV/137-58-9-19032

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 9, p 127 (USSR)

AUTHOR: Verbitskiy, Ye.I.

TITLE: ~~_____~~ An Investigation of the Forging of Molten Iron (Issledovaniye zhidkoy shtampovki chuguna)

PERIODICAL: V sb.: Mashinostroitel' Belorussii, Nr 4. Minsk, 1957, pp 29-37

ABSTRACT: A study was made of a process of molten forging (MF) of iron products, process procedures for MF, and the mechanical properties of the parts thus produced. Descriptions are offered of melting furnaces, casting fixtures, and control of temperature and chemical composition of the molten metal. An IZh-50 hydraulic press was employed. In order to pursue further investigation of their mechanical properties, the parts chosen for forging were rods of 10.5, 13.5, and 17.5 mm. The temperature of the iron fluctuated in the 1280-1320°C interval. The die was heated to 320-400°, depending upon the diameter of the rod. It was found that MF without heating of the die yielded impaired results. The pressure of the punch on the cast metal was 12 kg/mm², and it was held down for 3 to 10 seconds. Cracks

Card 1/2

SOV/137-5e-9-19032

An Investigation of the Forging of Molten Iron

appeared when lower pressures were employed. Coatings of 8 different compositions were tested for elimination of welding of the iron to the tool. The best results were obtained with a coating consisting of 120 g chalk, 20 g water glass, and 1000 g water. It was established that when the rod is allowed to cool rapidly in air after MF longitudinal cracks 2-3 mm deep often come into being, while fast cooling in the die leads to the appearance of transverse cracks. To avoid this defect, a batch of rods was placed in a furnace having a temperature of 700-800° after extraction from the die and were cooled with the furnace to 350-400°. This resulted in preservation of the initial structure and relieved any stresses in the rod due to uneven cooling. Results of tests of the mechanical properties of cast and forged-iron rods are adduced. The mechanical properties of MF parts were found to be higher than those of cast parts by 25-35% for σ_b , 45-50% for σ_b compr', 65-70% for σ_b creep, 120-150% for ψ , and 18-25% for a_k . In the process of MF, iron of the composition employed becomes chilled throughout. This is removed by a brief subsequent anneal at 940-950° for 10-15 min. The anneal results in the acquisition of the structure of malleable cast iron. The graphite is of the flake type and the metallic base is pearlitic-ferritic. See RZhMet, 1958, Nr 5, abstract 9607. 1. Iron (Liquid)--Forging 2. Iron (Liquid)--Properties 3. Iron (Liquid)--Temperature factors 4. Castings--Properties G.F. Card 2/2

VERBITZHEVA, I.

K. MARKHILEVICH, Soviet Kino-Photo Ind. No. 3, 42-52, 1936

PROCEDURES AND PROPERTIES INDEX

11-9

BC

Intramuscular injections of cod-liver oil in treatment of retinitis pigmentosa. V. P. FILATOV and V. A. VASARUKI (S. med., Ukraine, 1939, 9, 847-858).--Parenteral administration of cod-liver oil has a rapid beneficial effect (often after only 1 or 2 injections) even in advanced cases of pigmentated retinitis. M. K.

ASS. SLA METALLURGICAL LITERATURE CLASSIFICATION

SEARCHED INDEXED SERIALIZED FILED

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VERBIV, S. N.

235T82

USSR/Nuclear Physics - Cosmic Rays 21 Jul 52

"Azimuthal Asymmetry of Cosmic Rays in the Stratosphere at the Equator," S. N. Vernov, A. M. Kulikov, A. M. Charakhtch'yan

"Dok Ak Nauk SSSR" Vol 85, No 3, pp 525-528

Authors consider the altitudinal course of the vertical intensity of cosmic rays at the equator and at latitude 52°; also the zenith and azimuthal distribution of cosmic rays in the stratosphere over the equator for various heights (10-26 km) and for various directions (WNES). Table shows the magnitude of the effect of east-west

235T82

asymmetry K for various heights. The north-south azimuthal asymmetry over the equator is practically absent, but that the east-west azimuthal asymmetry increases with increase of the zenith angle. Conclude positiveness of cosmic rays. Submitted by Acad D. V. Skobel'tsyn 23 May 52.

235T82

BEREGOVSKIY, V.Ye.; VASILENKO, M.I.; VELIER, R.L.; ~~VERBLOVSKIY, A.M.~~;
VERNER, B.F.; VOYDALOVSKAYA, Ye.N.; VOL'SKIY, A.N.; GLAZKOVSKIY, A.A.;
GRANOVSKIY, B.L.; GREYVER, N.S.; GUDIMA, N.V.; DOLGOPOLOVA, V.I.;
KARCHEVSKIY, V.A.; KOVACHEVA, Ye.B.; KUDRYAVTSEV, P.S.; LEBEDEV, A.K.;
LISOVSKIY, D.I.; LIKHNITSKAYA, Z.P.; MATVEYEV, N.I.; MEL'NITSKIY, A.N.;
MIROMOV, A.A.; MIKHEYEVA, A.A.; MURACH, N.N.; OKUB', A.B.; OL'KHOV, N.P.;
OSIPOVA, T.B.; PAVLOV, V.P.; ROTINYAN, A.L.; SAZHIN, N.P.; SEVRYUKOV, N.N.;
SIDOROV, P.M.; SOBOL', S.I.; KHEYFETS, V.L.; TSEYNER, V.M.;
SHAKHNAZAROV, A.K.; SHEYN, Ya.P.; SHEREMET'YEV, S.D.; SHERMAN, B.P.;
SHISHKIN, N.N.; SHLOPOV, A.P.

Georgii Ivanovich Blinov. TSvet.met. 28 no.6:62 N-D '55.
(MIRA 10:11)

(Blinov, Georgii Ivanovich, 1911-1955)

RUSSIAN, 1960

1100
107/100-1-1-1/10

AUTHORS: Verbitskiy, A. M., Red'kova, A. S.

TITLE: Nickel Plating by Means of Thermal Decomposition of Nickel Tetracarbonyl Vapor

PERIODICAL: Zhurnal prikladnoy khimii, 1960, Vol. 33, No. 4, pp. 116-119 (USSR)

ABSTRACT: The authors developed an installation for nickel plating with vapors of nickel tetracarbonyl (see Fig. 1). Fan 1 supplies the gas mixture (nickel tetracarbonyl + CO) to the reactor 2 containing the objects to be plated, heated to a predetermined optimum temperature. Partially exhausted gas goes to the condenser 3 where it is enriched and restored to its original concentration with liquid nickel tetracarbonyl supplied from storage tank 4 through the dosing apparatus 5. The gas goes then through the expansion vessel 6 to the receiver 7 from which the fan 1 recirculates it. The system is slightly pressurized (50-100 mm water) by means of the gas holder 11 to prevent any air intake.

Card 1/5

Nickel Plating by Means of Thermal Decomposition of Nickel Tetracarbonyl Vapors

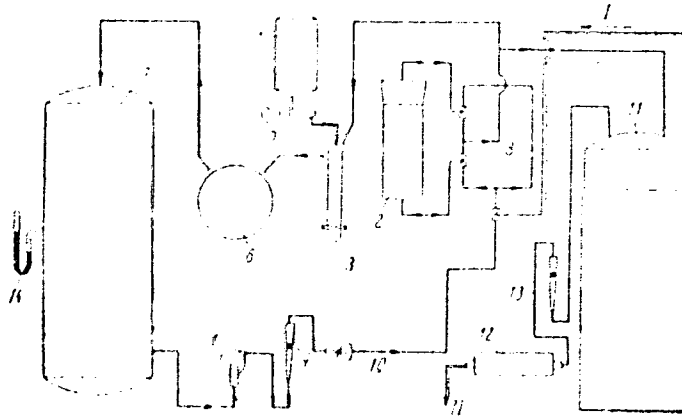
77518

OJ 7/20-37-1-1-1-200

Fig. 1. Installation for nickel plating by means of thermal decomposition of nickel carbonyl vapors.

(1) Fan; (2) reacting vessel; (3) evaporator; (4) storage tank; (5) dosing apparatus; (6) expansion vessel; (7) receiver; (8) valves for changing the gas flow direction; (9) rotameter; (10) gasometer; (11) gas holder; (12) furnace; (13) rotameter; (14) manometer.

(I) Pure CO gas for blowing through; (II) excess gas containing no $\text{Ni}(\text{CO})_4$.



Card 2/5

Nickel Plating by Means of Thermal Decomposition of Nickel Tetracarbonyl Vapors

77510
SOV/80-33-1-19/79

The excess pressure due to the large amount of CO liberated on decomposition of nickel tetracarbonyl is reduced by directing a part of the gas to the furnace 12 where it is burned to CO₂ and discharged into the atmosphere. Optima conditions were established, as follows: oxygen content in the gas mixture, 0.4% maximum; temperature, 275 to 285° C at 20 to 25% nickel carbonyl content in the gas mixture; gas velocity around the treated surface, not less than 0.006 m/sec. To assure uniformity of the nickel coating, the direction of the gas flow was reversed every 30 to 60 seconds by means of the valves 8. The thickness of the coating thus obtained varied by + 2 to 3 μ. The coating showed poor adherence to the metal surface; this lack of adherence disappeared after heat treatment under hydrogen at 550-700° C. After such treatment the samples successfully sustained repeated 180° bending. Microphotographic and X-ray investigation showed that the nickel coating has a crystalline β-phase structure with an identity period of 3.517-3.519 Å which is close to the standard

Card 3/5

Nickel Plating by Means of Thermal Decomposition of Nickel Tetracarbonyl Vapors

77510
SOV/80-33-1-197-9

parameter of the Ni cubic face-centered unit cell. The nickel crystal size grew with the concentration of nickel carbonyl in the gaseous phase and varied in the range from 10^{-4} to 10^{-2} cm. The hardness of the heat-treated coating was 240-270, according to Vickers. The porosity was very low, practically nil in coatings of more than 10μ thickness, and their protective properties compared favorably in every respect with those of electroplated ones. The reasons which restrict the wide application of this method are: the toxicity of nickel tetracarbonyl; the difficulties of its transportation over long distances; the necessity of heat treatment of the plated objects; the difficulty of bringing the whole treated surface to a uniform temperature within narrow limits; and the dull appearance of the coating. E. Sh. Ioffe and A. I. Zaslavskiy cooperated in the X-ray investigation; corrosion laboratory tests were made under the supervision of Ye. V. Urnis. There are 7 figures; 1 table; and 16 references, 11 U.S., 5 Soviet. The 5 most recent

Card 4/5

Nickel Plating by Means of Thermal Decompo-
sition of Nickel Tetracarbonyl Vapors

7/25/58
85720-33-100000

U.S. references are: H. A. Toulouk, U.S. Pat.
2685124 (1954); H. Nack, U.S. Pat. 2686835 (1954);
O. A. Fink, U.S. Pat. 2652702 (1954); Pat. Applica-
tion Nr 11438/56; L. W. Owen, Metal Industry, March
21, 227 (1958).

SUBMITTED: June 12, 1958

Card 5/5

VERBLOVSKIY, A.M.; ROTINYAN, A.L.

Nickel plating by the thermal decomposition of nickel tetracarbonyl
vapors. Zhur.prikl.khim. 33 no.1:102-110 Ja '60.

(MIRA 13:5)

(Nickel plating) (Nickel carbonyl)

KRASIL'SHCHIK, B.Ya.; VERBLOVSKIY, A.M.; Primalni uchastiye: BELKIN, L.A.;
DMITRIYEV, L.I.; STOLYAROV, I.M.

Automatization of feeding pulverized coal in slag treatment by
the fuming process. TSvet. met. 33 no.6:31-36 Je '60.

(MIRA 14:4)

(Zinc—Metallurgy)

(Automatic control)

411-10/10 A A
BELOV, N.S.; BIRYUKOV, I.V.; VERBLYUDOV, N.N.; GORBUNOVA, M.N.; YESIPOVA, M.M.;
IL'ICHEV, A.I.; IGNAT'YEVA, N.Ya.; KOVACHEVICH, P.M.; LYTKIN, A.M.;
LOSKUTOV, V.G.; MAZYUKOV, A.S.; MIROSHNICHENKO, N.Ya.; NEFEDOV, A.Ya.;
OSIPOV, K.V.; OSIPOV, P.M.; PETROV, N.G.; PETRACHKOV, M.I.;
PINEVICH, K.M.; POPOV, B.E.; POTAPOV, P.V.; PREDEIN, F.Ye.; PUKHOV, A.F.;
CHUSOVITINA, Ye.I.; ANGEL'SKIY, N., tekhn.red.

[The Kuznetsk Basin in the sixth five-year plan] Kuzbass v shestoi
piatiletke. [Kemerovo] Kemerovskoe knizhnoe izd-vo, 1956. 125 p.

(MIRA 10:12)

(Kuznetsk Basin)

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001859420010-1

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001859420010-1"

USHAKOV, G.K.; KISLENKOV, V.A.; GRIGOROVA, Ye.V.; VERBLYUNSKAYA, A.A.

Arrest of psychomotor excitation with aminazine. Zhur.nevr. i psikh.
56 no.7:571-574 '56. (MLRA 9:9)

1. Kafedry psikiatrii (zav. dotsent G.K.Ushakov) i farmakologii
(zav. doktor meditsinskikh nauk A.M.Rusanov) Yaroslavskogo
meditsinskogo instituta i Yaroslavskaya oblastnaya psikiatricheskaya
bol'nitsa (glavnyy vrach G.I.Ovchinnikov)

(CHLORPROMAZINE, therapeutic use,
ment. disord., arrest of psychomotor excitation (Rus))
(MENTAL DISORDERS, therapy,
chlorpromazine, arrest of psychomotor excitation (Rus))

SURIKOV, M.P.; USHAKOV, G.K.; IL'INA, V.N.; VERBLYUNSKAYA, A.A.; KHOKHLOV, L.K.

Utilization of glutathione in the treatment of mental disorders
[with summary in French]. Zhur.nevr. i psikh. 57 no.2:237-240 '57.
(MLRA 10:6)

1. Kafedra biologicheskoy khimii (zav. - dotsent M.P.Surikov) i
psikhiatrii (zav. - dotsent G.K.Ushakov) Yaroslavskogo meditsinskogo
instituta i Yaroslavskaia oblastnaya psikhiatricheskaya bolintsa
(glavnyy vrach G.I.Ovchinnikov)
(MENTAL DISORDERS, ther.
glutathione)
(GLUTATHIONE, ther. use
ment.disord.)

REPUBLICAN PARTY, 1950-1952.

... ..
... ..
... ..
1. Republican Party of the United States of America, 1950-1952.

SHVERNIK, Aleksandr Mikhaylovich; SOKOLOV, Anatoliy Valentinovich;
POLUBELOV, Aleksey Sergeyevich; KISELEV, Georgiy Ivanovich;
BERNSHTEYN, Rafail Lazarevich; SLAVUTSKIY, Samuil Oskarovich;
NEVEL'SHTEYN, Yuriy Grigor'yevich; KONDRATENKO, Leonid
Fedorovich; LASKIN, Anatoliy Aronovich; LUR'YE, Zakhar
Solomonovich; MAKAROV, Vladimir Aleksandrovich; NOVOZHILOV,
M.G., retsenzent; BILICHENKO, N.Ya., retsenzent; VARSJAVSKIY,
A.M., retsenzent; TARTAKOVSKIY, B.N., retsenzent. Primali
uchastiye: ANTONOV, V.A., inzh.; VERBLYUNSKIY, Yu.I., inzh.;
ZEMSKOV, P.F., otv. red.

[Overall mechanization and automatic control in strip mines]
Kompleksnaya mekhanizatsiya i avtomatizatsiya na kar'erakh.
Moskva, Nedra, 1964. 582 p. (MIRA 18:4)

ZLOTUKHIN, V.K.; LINO, S.V.; VERBYAN, N.I.; BALABAS, S.I.

Comparative stability of trihydroxyglutarate, malate, and fluconate complexes of nickel and cobalt. Ukr.khim.zhur. 29 no.1:3-6 '63.
(MIRA 16:5)

1. L'vovskiy gosudarstvennyy universitet.
(Nickel compounds) (Cobalt compounds) (Acids, Organic)

CA

18

Removing iron from fused alkali hydroxides. Ya. M. Verbyunskii and A. S. Yusupova. U.S.S.R. 69,611, Nov. 30, 1947. To fused hydroxide, e.g., NaOH, dewatered in the usual manner with an alkali metal, is added more of the same metal to reduce Fe oxides. The fusion is allowed to stand for the Fe to settle out. M. Hosh

SHUSTER, A.Ya., podpolkovnik med. sluzhby; VIKHBYAKOVA, A.Ya., kapitan med. sluzhby

Intratracheal penicillin administration in lung suppurations. Voen.-med. zhur. no.6:21-25 Je '58. (MIRA 12:7)

(LUNG DISEASES, ther.

suppurative, penicillin, intratracheal admin. (Rus))

(PENICILLIN, ther. use

suppurative lung dis., intratracheal admin. (Rus))

VERBO, Istvan, okl.kohomernok

Investigation of the economic and technical indexes of our
blast furnaces and some related problems. Koh lap 95 no.5:
208-210 My '62.

1. Dunai Vasmu.

AFANAS'YEVA, E.L.; VERBOLOV, V.I.; VOTINTSEV, K.K.; KROTOVA, V.A.;
MAN'KOVSKIY, V.I.; MESHCHERYAKOVA, A.I.; SHIMARAYEV, M.N.

Comprehensive synchronous limnological studies of Baikal waters.
Izv. AN SSSR. Ser. geog. no. 2:120-125 Mr-Apr '64. (MIRA 17:5)

1. Limnologicheskiy institut Sibirskogo otdeleniya AN SSSR.

ACC NR: AM6014511

Monograph

UR/

Verbolov, Vladimir Il'ich; Sokol'nikov, Vladimir Mikhaylovich; Shimrayev, Mikhail Nikolayevich.

Hydrometeorological conditions and thermal balance of Lake Baikal. (Gidrometeorologicheskiy rezhim i teplovy balans ozera Baykal) Moscow, Izd-vo "Nauka", 1965, 372 p. illus., biblio. (At head of title: Akademiya nauk SSSR. Sibirskoye otdeleniye. Limnologicheskiy institut) Errata slip inserted. 1,000 copies printed.

TOPIC TAGS: hydrometeorology, hydrology, surface water, heat balance, air temperature, moisture measurement, solar radiation absorption, turbulent heat transfer, ice / LAKE BAIKAL

PURPOSE AND COVERAGE: This book presents the normal properties over several years of radiational and thermal balances of the surface of Lake Baikal. It describes processes of heat and moisture exchange with the atmospheric and internal water exchange ranging from the surface of the lake to depths of 200 meters. Also included is an analysis of the mechanism of a series of processes and phenomena which influence the hydrometeorological conditions of Baikal.

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