

8(6)

SOV/112-58-3-3829

Translation from: Referativnyy zhurnal. Elektrotehnika, 1958, Nr 3, p 45 (USSR)

AUTHOR: Gitel'makher, A. M., and Krivko, V. S.

TITLE: Experience in Operating an Electric Power Plant
(Iz opyta ekspluatatsii elektrostantsii)

PERIODICAL: Energet. sb., Nr 4, Minsk, 1957, pp 118-123

ABSTRACT: Operating experience has shown that the temperature required for operating meters and relay-protection devices in an unheated main substation is secured by heat from the reactors. To save on cable and other materials, the relay-protection devices and meters for generators, transformers, and outgoing lines can be removed from the main control room and placed in the main switchgear room; a signal board indicating relay operations can be installed in the main control room. On steam-control boards in the boiler room and in the generator room, electric low-voltage wiring should be segregated from steam gauges, steam-flow meters, and their connecting

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Experience in Operating an Electric Power Plant

tubing to avoid possible damage to electrical equipment due to moisture. To facilitate and speed repairs, a monorail telpher should be provided over large motors.

V.Ye.Z.

Card 2/2

L 22272-66 EWT(1)

ACC NR: AR6005186

SOURCE CODE: UR/0058/65/000/009/G017/G017

AUTHORS: Yorob'yev, A. A.; Kalyatskiy, I. I.; Krivko, V. V.; Chepikov, A. T. ⁶⁴
B

TITLE: ²¹ Pulsed electric breakdown of air and water vapor at increased pressures

SOURCE: Ref. zh. Fizika, Abs. 9G143

REF. SOURCE: Sb. Probov dielektrikov i poluprovodnikov. M.-L., Energiya, 1964, 103-106

TOPIC TAGS: dielectric breakdown, electric discharge, gas discharge, water vapor, pressure

TRANSLATION: Experimental volt-second characteristics are obtained of the electric breakdown of air and water vapor at different pressures (1 -- 4 atm) for application times in the range (2 -- 20) x 10⁻⁷ sec. Pulses of positive and negative polarity with amplitudes up to 400 kv were applied on a point secured at a distance 4 -- 20 mm

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ACC NR: AR6005186

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from a grounded plane. The time of action of the pulse voltage was measured from the oscillograms. It is established that the pulsed strength of dry water vapor at increased pressure exceeds the strength of air, especially for pulses of negative polarity. For water vapor, no reduction was observed in the dielectric strength of the gap in the pressure region 10 -- 20 atm, such as is characteristic of breakdown in air. I. Popov

SUB CODE: 20

Card

2/2 nst

KALITOKIY, I.I., KRIVKO, V.V.

Pressure chambers operating under high pulse voltage. Part 3
Tekh. eksp. 9 no.4:190-192 JI-Ag '64. (MIRA 17.12)

I. Tomskiy politekhnicheskiy institut.

KRIVKOV, G.A.; VEKSLER, Ya.I.; KORZAN, D.P.; SHEYNGERTS, A.R.;
KHASABOVA, V.A.; PALAMARCHUK, V.P.

Experimental myocarditis in acute radiation sickness. Pat.
fiziol. i eksp. terap. 6 no.4:81-83 J1-Ag '62. (MIRA 17:8)

KRIVKOV, G.A., polkovnik meditsinskoy sluzhby; VEKSLER, Ya.I., mayor meditsinskoy sluzhby, kandidat meditsinskikh nauk; YEFREMOV, A.S., mayor meditsinskoy sluzhby; SHYNGERTS, A.R., podpolkovnik meditsinskoy sluzhby, kandidat meditsinskikh nauk; RUMOVSKIY, D.N., polkovnik meditsinskoy sluzhby.

Course of experimental pneumonia following damage by radiation.
Voen.-med.shur. no.7:41-45 J1 '56. (MLRA 9:11)
(RADIATION SICKNESS) (PNEUMONIA)

KROTKO, F. H.

26-10-39/44

AUTHOR: None given

TITLE: A Brief Review of New Books (Korotko o novykh knigakh)

PERIODICAL: Priroda, 1957, No 10, pp 122-123 (USSR)

ABSTRACT: "Nuclear Processes in the Stars", a collection of lectures given at Liege in September 1953. No author.
I.I. Revizin, "Plastic Materials in Medicine"
V. Glazer, "Principles of Electronic Optics" (Transl. fr. German)
E. Birshtekher, "Microbiology of Crude Oil" (Transl. fr. English)
B.G. Kuznetsov, "Principles of the Theory of Relativity and Quantum Mechanics in their Historical Development"
G.B. Alterman; A.M. Zharskiy; P.A. Krivkov; F.V. Nevolin, "Production of Synthetic Fat Acids, ~~Alcohols~~ and Fat Substitutes in the Soviet Zone of Germany."
M.P. Bedinggauz, "Preserving Natural Colors in Plant Drying".
Jim Corbett, "The Cannibals of Kumaon" (Transl. fr. English)

AVAILABLE: Library of Congress
Card 1/1

KRIVKOVA, A.M.

A new piroplasma species *Piroplasma meles* sp.nov. from the blood
of badgers. Trudy Inst. zool. AN Kazakh. SSR 14:42 '60.

(MIRA 13:12)

(Kirghiz Range--Piroplasmosis)
(Badgers--Diseases and pests)

USHAKOVA, G.V.; KRIVKOVA, A.M.

Ixodid ticks parasitizing on wolves in Bet-Pak-Dala. Trudy Inst.
zool. AN Kazakh. SSR 19:241-242 '63. (MIRA 16:9)
(Bet-Pak-Dala--Ticks) (Bet-Pak-Dala--Parasites--Wolves)

KRIVLEVA, L. B.

KRIVLEVA, L. B.

Science

Application of trigonometry to solution and study of geometry problems, Moskva, Izd. akad. pedagog. nauk SSSR, 1951.

Monthly List of Russian Accessions, Library of Congress, December 1952. UNCLASSIFIED.

KRIVNIKOVA, J.

A new stage in building a network of medical libraries. Cesk.
zdrav. 12 no.1:20-25 Ja'64.

1. Inspektorka knihoven v resortu ministerstva zdravotnictvi.

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ZVONKOVA, Z. V.; KRIVNOV, V. Ya.; KHVATKINA, A. N.

New determination of the atomic and electronic structure of
dicyandiamide. Dokl. AN SSSR 155 no. 2: 98-401 Mr '64.
(MIRA 17:5)

1. Fiziko-khimicheskiy institut im. I. Ya. Karpova.
Predstavleno akademikom S. S. Medvedevym.

KRIVOBODROV, A.A.; kand. tekhn. nauk, dots.; SHAROBYKOV, T.N., red.

[Spherical roofs (theory and an example of calculation);
study manual] Stericheskoe pokrytie (teoriia i primer ras-
cheta); uchebnoe posobie. Leningrad, Leningr. in-t inzhe-
nerov zhel-dor. transp. im. V.N.Obratsova, 1961. 37 p.
(MIRA 15:18)

(Roofs, Shell)

KRIVOBOK, A.G.

Sinking cables being laid across shallow rivers. Vest. svias'
16 no.12:13 D '56. (MLRA 10:2)

(Cables, Submarine)

GOROKHOV, A.M., putevoy rabochiy; BESEDOVSKIY, D.A.; TARASOV, A.I.; KRIVOBOK, G.K.;
MOISEYENKO, A.D., inzh.-mekhanik; YUR'YAKS, P.I. [Jurjaks, P.];
IBRAĖIMOV, A.A.; SAFRONOV, V.S.; SHAROV, N.N.

Letters to the editor. Put' i put.khoz. 7 no.4:40-42 '63.

(MIRA 2:6:3)

1. Stantsiya Talovaya, Yugo-Vostochnoy dorogi (for Gorokhov).
2. Nachal'nik distantsii zashchitnykh lesonasazhdeniy, stantsiya Atkarsk, Privolzhskoy dorogi (for Besedovskiy).
3. Nachal'nik putevoy mashinnoy stantsii, stantsiya L'gov, Moskovskoy dorogi (for Tarasov).
4. Sekretar' partiynoy organizatsii stantsii Nikitovka, Donetskoj dorogi (for Krivobok).
5. Stantsiya Nikitovka, Donetskoj dorogi (for Moiseyenko).
6. Brigadir puti, stantsiya Platone, Pribaltiyskoj dorogi (for Yur'yaks).
7. Zamestitel' nachal'nika distantsii, Sal'yany, Zakavkazskoy dorogi (for Ibragimov).
8. Starshiy normirovshchik, stantsiya Rtishchevo, Privolzhskoy dorogi (for Safronov).
9. Sekretar' partiynoy organizatsii, stantsiya Rtishchevo, Privolzhskoy dorogi (for Sharov).

(Railroads—Maintenance and repair)

KRIVOBOK, K. P.

"Kuzbass Adopts New Machinery and Mining Methods," Ugol', No 9, 1950.

"Donbass Combine Proves Effective in Mine imeni Kirov," Ugol', No 9, Sep. 50.

Translation W-15769, 12 Dec 50

BILIK, Shaya Mendeleovich; KORABLEV, Anatoliy Aleksandrovich; PANOV, Andrey
Dmitriyevich; SLOBODOV, Mikhail Aleksandrovich; KRIVOBOK, K.P.
otv.red.; LOMILINA, L.N., tekhn.red.; ALADOVA, Ya.I., tekhn.red.

[Instruments and apparatus for studying mine pressure] Pribory i
apparatura dlia issledovaniia proiavlenii gornogo davleniia;
spravochnik. Moskva, Ugletekhnizdat, 1958. 363 p. (MIRA 12:1)
(Mining engineering) (Measuring instruments)

PAEUSIMOV, V.F.; BUTKEVICH, R.V.; KRIVOBOK, K.P.; LINDENAU, N.I.

Trends in thick coal seam mining in the Kuznetsk Basin. Ugol'
34 no.8:60-64 Ag '59. (MIRA 12:12)
(Kuznetsk Basin—Coal mines and mining)

KRIVCOBOK, K.P., inzh.

Observe technical requirements in hydraulic coal mining.
Bezop.trude v prom. 4 no.9:3-4 S '60. (MIRA 13:9)
(Hydraulic mining--Safety measures)

KRIVOBOK, K.P., inzh.; SHAVLOVSKIY, S.S., inzh.

Hydraulic gravity haulage of rock in hydraulic mines. Ugol' Ukr.
4 no.9:23-25 S '60. (MIRA 13:10)
(Hydraulic mining) (Mine haulage)

KRIVOBOK, K.P., inzh.

Working conditions in hydraulic mining. Ugol' 36 no. 2:16-17 P '61.

(MIRA 14:2)

(Hydraulic mining)

KRIVOBOK, M.N., kand.biol.nauk.

Biological characteristics of young carp on fish spawning and
rearing farms of the Volga Delta. Trudy VNIRO 32:108-128 '56.
(MIRA 10:10)
(Volga Delta--Carp)
(Fish culture)

KRIVOBOK, M.N., kand.biologicheskikh nauk; D'YAKOVA, G.P.

Utilization of food supply by young carp and bream on
fish spawning and rearing farms. Trudy VNIRO 32:129-145 '56.
(MIRA 10:10)

(Carp) (Bream) (Don Valley--Fishes--Food)

Krivobok, M.N.

KRIVOBOK, M.N., kand.biol.nauk.

Significance of the outer Volga Delta for the young of partially
migratory fishes. Trudy VNIRO 32:165-177 '56. (MIRA 10:10)
(Volga Delta--Carp)

КРИВОБОК, М.Н., канд.биол.наук.

Biology of young carp in the outer Volga Delta. Trudy VNIRO
32:263-276 '56. (MIRA 10:10)
(Volga Delta--Carp)

KRIVOBOK, M.N., kand.biol.nauk

Significance of the study of nitrogen metabolism in fishes for
piscicultural practice. Trudy sov. Vkhkht.kom. no.8:197-204 '58.
(MIRA 11:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut morskogo rybnogo
khozyaystva i okeanografii.
(Nitrogen metabolism) (Fishes--Food)

KRIVOBOK, M.H., kand.biologicheskikh nauk; TARKOVSKAYA, O.I.

Determination of the time of spawning migrations of the Baltic herring based on studies of its fat metabolism. Trudy VNIRO 42:171-188 '60. (MIRA 13:9)
(Baltic Sea--Herring) (Fishes--Migration)
(Fat metabolism)

KRIVOBOK, M.N.

Relationship between spawning time and fecundity in the Baltic
herring. Trudy VNIRO 44:160-164 '61. (MIRA 14:11)
(Riga, Gulf of--Herring)
(Reproduction)

KRIVOBOK, M. N.; TARKOVSKAYA, O. I.

Physiological characteristics of the Baltic herring *Clupea harengus membras* L. of various fecundity. Vop. ikht. 2 no.3: 441-451 '62. (MIRA 15:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut morskogo rybnogo khozyaystva i okeanografii - VNIRO.

(Baltic Sea—Herring)

KRIVOBOK, M.N.; TARKOVSKAYA, O.I.

Chemical characteristics of the yellowtail flounder, codfish,
and Alaska pollack in the southeastern part of the Bering Sea.
Trudy VNIRO 49:257-272 '64. (MIRA 18:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut morskogo
rybnogo khozyaystva i okeanografii.

INDELBAUM, N., glavnyy energetik; KRIVOBOK, N., brigadir skorostnoy
prokhodcheskoy brigady

New equipment used in Degtiarka copper mines. NTO no.2:12
F '59. (MIRA 12:2)

1. Degtyarskiy mednyy rudnik, Sverdlovskaya oblast' (for both).
2. Shakhta "Kapital'naya-1" (for Krivobok).
(Degtiarka--Copper mines and mining)

NAKHODNOVA, A.P.; KRIVOBOK, V.I.

Preparation of barium oxide with a high content of main
substance. Trudy IREA no.25:461-464 '63.

(HIRA 18:6)

NAKHODNOVA, A.P.; KRIVOBOK, V.I.

Purification of barium compounds with trilon B. Trudy IREA no.25:
479-482 '63. (MIRA 18:6)

KRIVOBOK, Yu. V.: Master Biol Sci (diss) -- "The reaction of thyroid cells to the action of radioactive iodine". Khar'kov, 1959. 16 pp (Min Health Ukr SSR, Khar'kov State Med Inst), 200 copies (KL, No 14, 1959, 119)

KRIVOBOK, Yu. V. (Khar'kov)

Secondary changes in the thyroid gland following the action of
radioactive iodine. Arkh. pat. no.8:44-50 '61.

(MIRA 15:4)

1. Iz kafedry gistologii (zav. - zasluzhenny deyatel' nauki
prof. B. V. Aleshin) Khar'kovskogo meditsinskogo instituta
(dir. - dotsent B. A. Zadorozhnyy)

(THYROID GLAND) (IODINE—ISOTOPES)

ALESHIN, B.V.; KRIVCHOK, Yu.V.

Shifts in the absorptive capacity and impedance of
thyroid cells during the action of 5-methylthiouracil. Biol.
eksp. biol. i med. 56 no.8:101-105 Pg '63. (MIRA 17:7)

1. Iz kafedry gistologii (zav. - prof. B.V. Aleshin)
Khar'kovskogo meditsinskogo instituta. Predstavlena doystvite l.
nykh chlenom MN SSSR A.V. Lebedinski.

KRIVOBOK, Yu.V.

Influence of radioactive iodine on the nonstimulated and stimulated thyroid gland. Biul. eksp. biol. i med. 51 no.6: 66-69 Je '61. (MIRA 15:6)

1. Iz kafedry gistologii (zav. - zasluzhennyi deyatel' nauki prof. B.V. Aleshin) Khar'kovskogo meditsinskogo instituta (dir. - dotsent B.A. Zadorozhnyi). Predstavlena deystvitel'nyim chlenom AMN SSSR A.V. Lebedinskim.
(THYROID GLAND) (IODINE--ISOTOPES) (URACIL)

KRIVOBOK, Yu. V. (Khar'kov, 22, ul. 8-go s'yezda Sovetov, 2, kv. 121)

Histophysiology of the reaction of the thyroid gland to the
thyrotropic hormone. Arkh. anat., gist. i embr. 43 no. 1: 32-37
Ja '65. (MIRA 18:11)

1. Kafedra gistologii (zav.- zaslužhenny deyatel' nauki prof.
B.V. Aleshin) Khar'kovskogo meditsinskogo instituta. Submitted
Dec. 22, 1963.

KRIVÓBOIOV, A., gorny insh (g. Cherenkhovo)

Make way for Siberian gypsum. Prom.koop. 12 no.11:30 N '58.
(Irkutsk Province--Gypsum) (MIRA 11:11)

KRIVOBOKOV, A.

Sagging of vessels moving on canals. Mor. flot 20 no. 12:23
D '60. (MIRA 13:12)

1. Kapitan turbokhoda "Budapesht" Chernomorskogo parokhodstva.
(Inland navigation) (Load line)

KRIVOBOKOV, A.

Course selection in the Florida Straights. Mor. flot 22 no.2;
26-27 F '62. (MIRA 15:4)

1. Kapitan turbokhoda "Budapesht".
(Florida, Straights of--Navigation)

STEPANENKOV, Roal'd Vasil'yevich, assistant; KRIVOBOKOV, Aleksandr
Vasil'yevich; MESHKOV, O.I., red.

[Cargo handling operation on the "Pekin" ["Peking"] -
type tanker] Gruzovye raboty na tankere tipa "Pekin."
Moskva, Transport, 1964. 122 p. (MIRA 17:9)

1. Kapitan tankera "Budapesht" (for Krivobokov).

KRIVOBOKOV, A.V.

Characteristics of mooring without berthage. Biul. tekhn.-ekon. infdrl.
Tekh. upr. Min. mor. flota 7 no.6:16-23 '62. (MIRA 16:4)

1. Kapitän tankera "Budapesht".
(Anchorage)

KRIVOBOKOV, D.V., inzh.

Screw conveyer for clean'ng canals. Stroi. i dor. mash. 7
no.9:16-18 S '62. (MIRA 15:10)
(Dredging machinery)

KRIVOBOKOV, Ivan Andreyevich; RAKITO, Eduard Iosifovich, nauchnyy red.;
IVANOVA, K.N., red.; ROGACHEV, F.V., red.; SUSHKEVICH, V.I., tekhn. red.

[Practical training of electricians in signaling, centralized control and block systems; manual for instructors of railroad and technical] Proizvodstvennoe obuchenie elekrononterov po signalizatsii, tsentralizatsii i blokirovke (STsB); v pomoshch' masteram proizvodstvennogo obucheniia ZhU i TU. Moskva, Vses. uchebno-pedagog. izd-vo Trudrezervizdat, 1958. 103 p.

(MIRA 11:11)

(Electric engineering--Study and teaching)
(Railroads--Electric equipment)

CHEKMENEV, Nikolay Modestovich; KRIVOBOKOV, Ivan Andreyevich, inzh.;
CHEREDKOV, Mikhail Nikolayevich, inzh.; KAZAKOV, A.A., kand.
tekh. nauk, retsenzont; MEL'NIKOVA, V.I., inzh., retsenzont;
KHOMIAKOVA, Z.P., tekhn., retsenzont; MARENKOVA, G.I., inzh., red.;
USENKO, L.A., tekhn. red.

[Signaling systems, their installation and maintenance] Ustroi-
stvu STsB, ikh montazh i soderzhanie. Moskva, Transzheldor-
izdat, 1962. 412 p. (MIRA 15:11)

(Railroads—Sginaling—Block system)

KRIVOBOKOV, M.

32609. KRIVOBOKOV, M. Organizatsiya agrole-someliorativnykh zven'ev v kolkhozakh.
sots. sel. khoz-vo, 1949 No 10, s. 52-55

SO: Letopis' Zhurnal' nykh Statey, Vol. 44

KRIVOBOKOV, P.K.

[Financing of distilleries] Finansirovanie spirtovykh zavodov.
Moskva, Pishchepromisdat, 1954. 77 p. (MLBA 7:11)
(Distilling industries)

KRIVOSHKOV, Stepan Andreyevich; PLOTNIKOV, N.N., red.

[Pushcha-Voditsa Health Resort] Kurort Pushcha - Voditsa.
Kiev, Gosmedizdat USSR, 1963. 74 p. (MIRA 17:6)

KRIVOBOKOV, S.A. [Kryvobokov, S.A.]

Involution of intrathoracic tuberculosis in children following
recovery from tuberculous meningitis. Ped. Akush. i gin. 24 no.
6:7-9 '62. (MIRA 17:4)

1. Detskiy tuberkuleznyy sanatoriy "Zirka" Ministerstva
zdravookhraneniya UkrSSR v Pushche-Voditse.

STULIY, L.A.; SAFRONOVA, O.N.; BUTS'KA, L.K., kand. med. nauk; KRIVOBOKOV, S.A. [Kryvobokov]; VOLOSHINOV, B.M. [Voloshynov, B.M.], dotsent BICHKOVSKIY, V.N. [Byshkovs'kyi, V.N.] dotsent; POKOTILOVA, V.Yu. [Pokotylova, V. IU]; KOLESNIKOV, G.F. [Kolesnykov, H.F.]; ZLTKIS, L.S.; SAVOST'YANOVA, S.I.; BRIN, D.D. [Bryn, D.D.]; MATVEYENKO, Ye.A. [Matvilenko, Ye.A.]; BRONZ, L.M.; YEPSHTEYN, L.G. [Epshtein, L.H.], kand. med. nauk; SHAKHNOVICH, L.A. [Shakhnovych, L.A.]

Annotations and authors' abstracts. *Pediat. akush. ginek.* no.3: 31-34 '63 (MIRA 17:1)

1. Khar'kovskiy nauchno-issledovatel'skiy institut okhrany materinstva i detstva (for Stuliy).
2. Kafedra detskikh bolezney Odesskogo meditsinskogo instituta (for Safronova).
3. Ukrain'skiy institut okhrany materinstva i detstva (for Buts'ka).
4. Detskiy sanatoriy dlya rekonvalescentov ot tuberkuleznogo meningita, Kiyev, Pushcha-Voditsa (for Krivobokov).
5. Detskaya klinika Ivano-Frankovskogo meditsinskogo instituta (for Voloshinov).
6. Kafedra detskikh infektsionnykh bolezney Krymskogo meditsinskogo instituta (for Bichkovskiy, Pokotilova).
7. Institut infektsionnykh bolezney Kiyev (for Kolesnikov).
8. Khar'kovskiy oblastnoy detskiy dom No.1 (for Zlatkis, Savost'yanova, Brin, Matveyenko).
9. Kafedra pediatrii Kiyevskogo meditsinskogo instituta (for Bronz).
10. Kafedra fakul'tetskoy pediatrii Gor'kovskogo meditsinskogo instituta (for Yepshteyn).
11. 2-ya detskaya bol'nitsa Shevchenkivskogo rayona g. Kiyeva (for Shakhnovich).

KRIVOBOKOV, Stepan Andreyevich; STRUYEV, N.A., redaktor; LOKHMATYY, Ye.O.
tekhnredaktor

[The Pushcha-Voditsa health resort] Kurort Pushcha-Voditsa. Kiev.
Gos. med. izd-vo USSR, 1956. 66 p. (MLRA 10:5)
(KIEV--HEALTH RESORTS, WATERING PLACES, ETC.)

KRIVOBOKOV, S.A. [Kryvobokov, S.A.]

Vascular reactions in children who have had tuberculous meningitis. Ped., akush. i gin. 22 no.5:22-23 '60.(MIRA 15:6)

1. Respublikanskiy sanatoriy "Zor'ka" dlya rekonvalescentov posle tuberkuleznogo meningita (glavnyy vrach - S.A. Krivobokov [Kryvobokov, S.A.] Kiyev, Pushcha-Voditsa.
(MENINGES--TUBERCULOSIS)
(PLETHYSMOGRAPHY)

KRIVOBOKOV, S.A. [Kryvobokov, S.A.]

Late complications in children following tuberculous meningitis.
Ped., akush. i gin. 23 no.5:20-23 '61. (MIRA 14:12)

1. Detskiy respublikanskiy sanatoriy "Zor'ka" dlya rekonvalescentov
posle tuberkuleznogo meningita, Kiyev, Pushcha-Voditsa.
(MENINGES---TUBERCULOSIS)

BRINBERG, S.L.; SKVORTSOVA, A.P.; KRIVOBOKOVA, S.S.

Effect of iron on the biosynthesis of erythromycin. Antibiotiki
7 no.8:689-692 Ag '62. (MIRA 15:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(IRON--PHYSIOLOGICAL EFFECT) (ERYTHROMYCIN)

MELEKHINA, V., insh.; KRIVOBORODENKO, A., master

Attaching a flexible shaft to an electric motor by means of
a sleeve. *Mins. ind. SSSR* 29 no. 4:47 '58. (MIRA 11:8)

1. Khabarovskiy myasokombinat.
(Shafting)

MELEKHINA, V.; KRIVOBORODENKO, A.

Machine for cutting cellophane. Mias.ind.SSSR 30 no.6:45 '59.
(MIRA 13:4)

1. Khabarovskiy myasokombinat.
(Meat industry--Equipment and supplies)

MELEKHINA, V.; KRIVOBORODENKO, A.

Knife for opening tin cans. *Mias.ind.SSSR* 31 no.1:51 '60.
(MIRA 13:5)

1. Khabarovskiy myasokombinat.
(Khabarovsk--Tin cans)

S/081/61/000/021/052/094
B110/B101

AUTHORS: Danyushevskaya, Z. L., Krivoborodov, R. T.

TITLE: Development of a technological production scheme for tamponage cement in the Sterlitamakskiy Soda and Cement Combine

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 21, 1961, 312, abstract 21K310 (Nauchn. soobshch. Gos. Vses. n.-i. in-t tsementn. prom-sti, no. 10 (41), 1961, 4 - 8)

TEXT: A description is given of adjustment works and the experimental studies of optimum technological parameters of the production of high-strength tamponage cement for cold boreholes. It was found that the raw material components should be ground jointly. The optimum mineralogical composition of clinker is given. KN should amount to 0.90 ± 0.02 , the alumina modulus should be 1.5 ± 0.02 and the silicate modulus should be 2.2 ± 0.02 . The optimum SO_3 content is 2.2 - 2.6%. The use of the recommended composition of the raw material mixture led to an increased furnace

Card 1/2

Development of a technological production....

S/081/61/000/021/052/094
B110/B101

productivity (by ~10%), to a longer durability of the lining (by ~the double) and to a reduced fuel consumption (by ~10%). The free CaO-content could be reduced from 1.7 to 1.0%. If the grinding fineness is increased from 2840 to 3300-3600 cm^2/g , the cement meets the requirements of GOST 1581-42 (GOST 1581-42) as to deliquescence and bending strength in two-day age. With finer grinding the pulp becomes thicker and the mill productivity decreases. [Abstracter's note: Complete translation]



Card 2/2

KRIVOBORODOV, R.T.; KUZNETSOVA, T.V.

Effect of the structure of clinkers on the strength of plugging
cement. TSement 29 no.3:17-19 My-Je '63. (MIRA 17:1)

1. Sterlitamakskiy tsementnyy zavod.

KRIVOBORODOV, R.T.

Raising the quality of cement at the Sterlitamak cement plant.
TSement 28 no.1:7-8 Ja-F '62. (MIRA 16:5)
(Cement--Testing)

KRIVOBORODOV, R.T.

Optimum parameters of cement for wells having high temperature.
Nef. khoz. 40 no.6:65-67 Je '62. (MIRA 15:6)
(Oil well cementing)

SECRET, I.A.

Using pozzolan cement. Bureau no.2:11-15 '64.

(MIRA 18:5)

1. Sterlitamakskiy sodovo-tsementnyy kombinat i Tatarskiy neftyanoy nauchno-issledovatel'skiy institut.

KRIVOBORSKIY, V.V.

stereoscopic photomicrography of foraminifers. Trudy VNIORI
no.153:327-339 '60. (MIRA 13:7)
(Photomicrography)
(Photography, Stereoscopic)
(Foraminifera, Fossil)

SUBBOTINA, M.H.; ALEKSEYCHIK-MITSKEVICH, L.S.; BARANOVSKAYA, O.F.;
BULATOVA, Z.I.; BULYNIKOVA, S.P.; DUBROVSKAYA, N.P.; KISEL'MAN,
E.N.; KOZLOVA, G.E.; KUZINA, V.I.; KRIVOBORSKIY, V.V.; USHAKOVA,
M.V.; FREYMAN, Ye.V.

[Cretaceous and Paleogene Foraminifera in the West Siberian
Plain] Foraminif / melovykh i paleogenovykh otlozhenii Zapadno
Sibirskoi nizmennosti. Leningrad, Nedra, 1964. 455 p. (Leningrad.
Nauchno-issledovatel'skii geologorazvedochnyi institut. Trudy,
no.234). (MIRA 18:1)

1. Vsesoyuznyy neftyanoy nauchno-issledovatel'skiy geologoraz-
vedochnyy institut, Leningrad; Sibirskiy nauchno-issledovatel'-
skiy institut geologii, geofiziki i mineral'nogo syr'ya; Novo-
sibirskoye territorial'noye geologicheskoye upravleniye i Tyu-
menskoye territorial'noye geologicheskoye upravleniye.

HANGERON, D.; KRIVOCHENKO, L.E.

On certain approximation problems related to a new class of integral-differential equations. Bul Ac Pol Mat 9 no.10:707-712 '61.

1. Faculte de Mathematique, Institut Polytechnique, Iasi (Rumanian People Republic) et Faculte de Mathematique, Universite, Frunze (Kirgh.S.S.R.)

KRIVOCHENKO, V.I.

Mechanizing the manufacture of toys made of woodpulp.

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826520018

(MIRA 10/2)

1. Starshiy nauchnyy setrudnik Nauchno-issledovatel'skogo instituta igrushki.

(Toys)

ИИИИИ

Mass analysis of titanium ores. Zav. lab. 30 no. 5. 515.
518 '62. (MFA 1755)

1. Ural'skiy nauchno-issledovatel'skiy iroyektnyy institut
obogashcheniya i mekhanicheskoy obrabotki poleznykh iskopyemykh.

KRIVODUBSKIY, I.P.

The Committee on Stalin Prizes (of the Council of Ministers (USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

<u>Name</u>	<u>Title of Work</u>	<u>Nominated by</u>
Katsepuro, M.Ye.	"Local Power Resources of the Belorussian SSR and a Plan for Their Utilization for the Wide Electrification of Agriculture"	Department of Physicomathematical and Technical Sciences, Academy of Sciences Belorussian SSR
Sazonov, M.A.		
Timchuk, I.K.		
Tyulpanov, A.I.		
Kandykovich, A.S.		
<u>Krivodubskiy, I.P.</u>		
Pekelis, G.H.		
Smirnov, I.S.		

SO: W-30604, 7 July 1954

MALININ, S.N.; LUPINOVICH, I.S.; MOLOCHKO, I.S.; ABRAMCHUK, A.P.; ALEKSEYEV, Ye.K.; AL'SMIK, P.I.; AMBROSOV, A.L.; ANDREYEVA, N.M.; ANOKHIN, A.N.; AFONIN, M.I.; BABOSOV, M.M.; BALOBIN, V.N.; BARANOVSKIY, A.K.; BEZDENKO, T.T.; BEL'SKIY, B.B.; BOBKOVA, A.F.; BOL'SHAKOVA, V.P.; BULGAKOV, N.P.; VAGIN, A.T.; BIL'DYLUSH, R.T.; VIL'CHINSKIY, A.D.; VLASOVA, K.S.; VOYTKO, D.I.; VOLUZNEV, A.G.; GABYSHEV, M.F. [deceased]; GAYKO, A.A.; GALASHEV, M.A.; GOREGLYAD, Kh.S.; GARKUSHA, I.F.; GOSTILOVSKAYA, M.N.; GORBUNOVA, N.N.; GORSKIY, N.A.; GORFINKEL', Z.Sh.; GRUBILKO, N.P.; GUSAKOV, V.A.; GUDAYKIN, A.I.; DANILOVICH, A.F.; DEMENT'YEV, V.A.; DENISOV, Z.N.; DOROZHNIK, N.A.; DUBOV, A.B.; DUBOVSKIY, Ya.K.; YEVTIKHIYEV, B.Ye.; ZHARIKOV, I.S.; ZHILIN, A.P.; ZHOLNOROVICH, A.M.; ZHURAVEL', B.N.; ZABELLO, D.A.; ZAKHARENKO, G.D.; ZUBETS, V.M.; IVITSKIY, A.I.; KACHURO, I.M.; KEDROV-ZIKHMAN, O.K.; KIDALINSKIY, V.A.; KIPENVARLITS, A.F.; KOVALEVSKIY, G.T.; KOVAL'CHUK, P.P.; KOZHANOV, K.Ya.; KOZLOVSKIY, I.Ye.; KOCHETOVA, Z.N.; KRIVODUBSKIY, I.P.; KUDRYAVTSEV, S.F.; KUSTOVA, A.I.; LAPPO, A.I.; LARIONENKO, V.B.; LASHKEVICH, G.I.; MAL'CHEVSKIY, V.I.; MAN'KO, H.F.; MARKOVETS, A.F.; MATSEPURO, M.Ye.; MEDVEDEV, A.G.; MEL'TSER, Ya.D.; MOISEYEV, I.G.; MUSORIN, V.V.; MUKHIN, N.D.; NAGORSKAYA, Ye.D.; NALIBOTSKIY, S.B.; NIKOLAYEVA, Yu.N.; NEDOLUGOV, I.T.; ORLOVSKIY, I.A.; ORLOVSKIY, K.P.; PANKOVICH, A.A.; PESKIN, A.L.; PROKOPOV, P.Ye.; PUSHKAREV, I.I.; RAZMYSLOVICH, I.R.; RAZUMENKO, A.V.; REMQEVA, Z.I.; RINKIS, V.A.; ROYDO, A.I.; ROGOVOY, P.P.; ROZENELYUM, B.M.; RYZHMANOV, A.G.; RUSINOV, A.A.; SAVCHENKO, A.I.; SAPUNOV, V.A.; SAPRONOV, I.P.; SVIRSKIY, Ya.N.; SEVERNYEV, V.P.; SERGEYEV, I.V.; SEMENOV, A.L.; SIDORENKO, G.M.;

(Continued on next card)

MALININ, S.N.---(continued) Card 2.

SKOROPANOV, S.G.; SKRIPNICHENKO, L.A.; SMIRNOV, T.Ye.; STAROVOYTOV, K.T. [deceased]; STRELKOV, I.G.; SUSLOV, V.P.; SUKHORUKOV, G.Ye.; STUBAROV, A.Ye.; TIMOSHININ, V.D.; TISHKEVICH, I.I.; TROPASHKO, I.N.; TRIZNO, S.I.; TRIMA, N.K.; TUZOVA, R.V.; TURETSKIY, R.L.; UMANSKIY, M.M.; UR'YEV, I.M.; KHOT'KO, A.I.; KHROBOSTOV, S.N.; TSEKHANOVICH, P.V.; CHERNYAVSKIY, I.G.; CHULKOVA, Ye.I.; CHUNOSOV, M.H.; SEMPPEL', V.I.; SHIKHALEYEV, N.F.; SHILYAR, A.Ye.; SHCHERBOV, N.A.; YUROENS, B.A.; YUSKOVETS, M.K.; YAKOVLEV, B.I.; YAKERSON, S.A.; YAKOSHCHVICH, A.A.; LUTSENKO, M.N., red.; LARIN, V., red.; KALECHITS, G., tekhn.red.

[Measures for increasing agricultural production per 100 hectares of land on collective and state farms of White Russia] Мероприятия по увеличению производства сельскохозяйственной продукции на 100 гектаров земельных угодий в колхозах и совхозах БССР. Red.kolle-gia; I.S.Lupinovich i dr. Minsk, Gos.izd-vo BSSR. Red.sel'khoz. lit-ry, 1959. 601 p. (MIRA 13:4)

1. White Russia. Ministerstvo sel'skogo khozyaystva.
(White Russia--Agriculture)

KHI VOGLAZ, Boris Abramovich

Kiev Inst of Hygiene of Labor and Occupational Diseases of the
Min of Health UkSSR, Academic degree of Doctor of Medical
Sciences, based on his defense, 7 October 1954, in the Council
of the Kiev Order of Labor Red Banner Med Inst imeni Bogomolets,
of his dissertation entitled: "Cardio-vascular System of
Workers of Hot Shops".

Academic degree and/or title: Doctor of Sciences

SO: Decisions of WAK, List no. 9, 16 April 55, Byulleten' MVD SSSR, No. 14,
Jul 56, Moscow, pp 4-22, Uncl. JPRS/NY-429

KRIVOGLAZ, B. A.

KRIVOGLAZ, B. A.

Studying the state of health of collective farm workers. Sov. med.
19 no.1:53-58 Ja '55. (MIRA 8:4)

1. Iz Kiyevskogo instituta gigiyeny truda i professional'nykh zabo-
levaniy (dir. L.I.Medved').
(RURAL CONDITIONS,
health of Russian collective farm workers)
(PUBLIC HEALTH, statistics,
in Russia, result of mass survey of collective
farm workers)

KRIVOGLAZ, B.A., starshiy naychnyy setrudnik.

Etiology of myocardial dystrophy. Terap.arkh. 27 no.1:87 '55.

(MLHA 8:7)

1. Iz Kiyevskogo nauchno-issledovatel'skogo instituta gigiyeny truda i professional'nykh zabolevaniy.

(MYOCARDIUM, diseases,
dystrophy, etiol.)

KRIVOGLAZ, B.A., doktor meditsinskikh nauk.; MODEL', A.A., kandidat meditsinskikh nauk.; BOYKO, V.G., kandidat meditsinskikh nauk.; MEN'SHOV, A.A., kandidat meditsinskikh nauk.

Lowered morbidity among collective farmers. Sov. zdrav. 15 no.1:48-54
Ja-F '56. (MLRA 9:6)

1. Iz Kiyovskogo instituta gigiyeny truda i professional'nykh
zabolevaniy (dir.-dotsent L.I. Medved')
(VITAL STATISTICS
morbidity among collective farmers in Russia)

KRIVOGLAZ, Boris Abramovich, professor; CHEBOTAREV, D.F., redaktor;
LOCHNATYI, Ye.G., tekhnredaktor.

[Prevention and treatment of cardiovascular disturbances in
metallurgical workers dealing with heat processes] Profilaktika
i lechenie serdechno-sosudistykh narushenii u rabochikh goriachikh
tskhov. Kiev, Gos.med.isd-vo USSR, 1957. 201 p. (MIRA 10:11)
(CARDIOVASCULAR SYSTEM--DISEASES) (HEAT--PHYSIOLOGICAL EFFECT)

137-58-3-6303

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 3, p 267 (USSR)

AUTHOR: Krivoglaz, B.A.

TITLE: Reducing the Illness Rate Among Personnel Working in Hot Shops of Metallurgical Plants (Snizheniye zabolevayemosti rabochikh goryachikh tsekhov metallurgicheskikh zavodov)

PERIODICAL: Vrachebn. delo, 1957, Nr 9, pp 967-972

ABSTRACT: A report on the reduction of incidence of illness among personnel working in hot shops of metallurgical plants; recommendations for future improvement of working conditions are made.

Ye. L.

Card 1/1

KRIVOGLAZ, B.A., doktor med.nauk; BOYKO, V.G., kand.med.nauk

Factors effecting the incidence of angina among agricultural
machinery operators and methods for lowering it. Sov.med. 21
no.11:136-140 N '57. (MIRA 11:3)

1. Iz Kiyevskogo instituta gigiyeny truda i professional'nykh
zbolevaniy (dir.-dotsent L.I.Medved')

(LARYNGITIS, prev. and control
in mechanical workers)

(OCCUPATIONAL DISEASES, prev. and control
laryngitis in mechanical workers)

MEDVED', L.I., dotsent, red.; KRIVOGLAZ, B.A., prof., red.; KAGAN, Yu.S.,
kand.med.nauk, red.; SEREBRYANAYA, S.G., dotsent, red.;
TOSTANOVSKAYA, A.A., kand.med.nauk, red.; KUMDIYEV, Yu.I., kand.
med.nauk, red.; BURKATSKAYA, Ye.N., kand.med.nauk, red.; SPYNU,
Ye.I., kand.med.nauk, red.; NOVIKOV, Yu.V., red.; BUL'DIAYEV,
N.A., tekhn.red.

[Hygiene, toxicology, and clinical aspects of new insecticides
and fungicides] Gigiene, toksikologiya i klinika novykh insekto-
fungitsidov; trudy. Pod obshchei red. L.I.Medvedia. Moskva, Gos.
izd-vo med.lit-ry Medgiz, 1959. 370 p. (MIRA 14:1)

1. Vsesoyuznaya nauchnaya konferentsiya po gigiyene i toksikologii
insektofungitsidov. 1st, Kiyev, 1957. 2. Kiyevskiy institut
gigiyeny truda i profsabolevaniy (for Medved', Kagan, Kundiyeu,
Spynu). 3. Ukrainskiy nauchno-issledovatel'skiy institut pitaniya
(for Tostanovskaya).
(Insecticides) (Fungicides)

VERSHIGORA, Apollinariy Yefimovich [Verahyhora, A.IU.]; KRYVOGLAZ, B.A.
[Kryvohlaz, B.A.], red.; POTOTSKAYA, L.A. [Potots'ka, L.A.],
tekhred.

[Road to health and longevity] Shliskh do zdorov'ia ta
dovholittia. Kyiv, Derzh.med.vyd-vo URSR, 1960. 26 p.

(MIRA 14:1)

(LONGEVITY)

KRIVOGLAZ, B.A., prof.

Side effects in treatment with antibiotics. Vrach. delo no.2:
76-79 F '61. (MIRA 14:3)

1. Kiyevskaya gorodskaya klinicheskaya bol'nitsa.
(ANTIBIOTICS)

KRIVOGLAZ, B. A. (Kiyev)

Concerning Prof. Z. I. Izrael'son's review of F. Kelsh's manual
on occupational diseases. Oig. truda i prof. zab. 5 no.7:59
Jl '61. (MIRA 15:7)

(OCCUPATIONAL DISEASES)

KRIVCGLAZ, B.A. [Kryvohlaz, B.A.], prof.

Work and age. Nauka i zhyttia 11 no.8:45 Ag '61. (MIRA 14:12)
(Morozov, Nikolai Aleksandrovich, 1854-1946)

KRIVOGLAZ, B.A.; BICYKO, V.G.; VEYS, V.P.; MODEL', A.A.; ZARITSKAYA, L.A.;
KRASNYUK, Ye.P.

Occupational pathology in workers in enterprises of powder
metallurgy. Porosh.met. 2 no.5:109-113 S-0 '62. (MIRA 15:11)

1. Kiyevskiy nauchno-issledovatel'skiy institut gigiyeny truda i
profzabolevaniy.
(Powder metallurgy--Hygienic aspects)

MEDVED', L.I., doktor med. nauk, red.; BURKATSKAYA, Ye.N., kand.med. nauk, red.; VOYTENKO, G.A., kand. med. nauk, red.; KAGAN, Yu.S., red.; KRIVOGLAZ, B.A., prof., red.; KUNDIYEV, Yu.I., kand. med. nauk, red.; MAKOVSKAYA, Ye.I., doktor med. nauk, red.; SEREBRYANAYA, S.G., dots., red.; SPYNU, Ye.I., kand. med. nauk, red.; TOSTANOVSKAYA, A.A., kand. med. nauk, red.; TROTSENKO, M.A., kand. khim. nauk, red.; NOVIKOV, Yu.V., red.; CHULKOV, I.F., tekhn. red.

[Hygiene and toxicology of new pesticides and clinical aspects of poisoning; reports of the Second All-Union Scientific Conference of the Committee for the Study and Reglementation of Poisonous Chemicals of the Main State Sanitary Inspection of the U.S.S.R.] Gigiena i toksikologiya novykh pestitsidov i klinika otravlenii; doklady 2-i Vsesoyuznoi nauchnoi konferentsii Komiteta po izucheniiu i reglamentatsii iadokhimikatov Glavnoi gosudarstvennoi sanitarnoi inspektsii SSSR. Pod obshchei red. L.I. Medvedia. Moskva, Medgiz, 1962. 478 p. (MIRA 16:4)

1. Vsesoyuznaya nauchnaya konferentsiya po gigiyene i toksikologii insektov i fungitsidov, 2d, 1962.

(Continued on next card)

MEDVED', L.I.---(continued). Card 2.

2. Predsedatel' Komiteta gosudarstvennoy sanitarnoy inspeksii SSSR po izucheniyu i reglamentatsii yadokhimikatov (for Medved'). 3. Kiyevskiy nauchno-issledovatel'skiy institut gigiyeny truda i profzabolevaniy (for Burkatskaya, Voytenko, Spynu, Kagan, Trotsenko). 4. Ukrainskiy nauchno-issledovatel'skiy institut pitaniya (for Serebryanaya).

(PESTICIDES--TOXICOLOGY)

BARANNIK, P.I., red.; BARCHENKO, I.P., red.; GABOVICH, R.D., red.;
KAGAN, S.S., red.; KALYUZHNYI, D.N., red.; KRIVOGLAZ, B.A.,
red.; POZNANSKIY, S.S., red.; SUPONITSKIY, ~~M.M., red.~~
TRAKHTENBERG, I.M., red.; SHAKHBAZIAN, G.Kh., red.; SHMAL',
D.D., red.; OSETRV, V.I., red.; CHUCHUPAK, V.D., tekhn.red.

[Problems of general and specialized hygiene] Voprosy obshchei
i chastnoi gigieny. Kiev, Gosmedizdat USSR, 1963. 308 p.
(MIRA 16:10)

1. Ukraine. Ministerstvo zdavookhraneniia.
(PUBLIC HEALTH)

"Clinical characterization of chronic intoxications by pesticides."

Report presented at the 2nd All-Union Scientific Conference on the Hygiene and Toxicology of Pesticides, Ministry of Health USSR Committee on the Study and Regulation of Non-Poisonous Chemicals of the Main State Sanitary Inspection USSR and Kiev Institute of Labor Hygiene and Occupational Diseases, Kiev 17-19 Oct 1962.
(Gigiyena i Sanitariya, No. 3, 1963 p. 104-105.)

Kiev Institute of Labor Hygiene and Occupational Diseases.

KRIVOGLAZ, B.A., prof.

Side effect of antibiotics. Fel'd i akush. 28 no.11:21-24
N°63 (MIRA 16:12)

1. Iz Kiyevskogo instituta gigiyeny truda i professional'-
nykh zabolevaniy.

MEDVED', L.I., prof., otv. red.; YEVIUSHENKO, G.I., dots., zam. otv. red.; KUNDIYEV, Yu.I., dots., red.; KRIVOGLAZ, S.A., prof. red.; NOVITSKIY, V.K., prof., red.; SUPONITSKIY, M.Ya., dots., red.; SHAKHHAZIAN, G.Kh., prof., red.

[Industrial hygiene; interdepartmental collection of scientific papers] Gigiena truda; rezhvedomstvennyi sbornik nauchnykh rabot. Kiev, Zdorov'ia, 1964. 268 p.

(MIRA 1813)

1. Kiev. Institut gigiyeny truda i professional'nykh zabo-
levaniy. 2. Kiyevskiy institut gigiyeny truda i profes-
sional'nykh zabo-levaniy (for Medved', Krivoglaz).

537.311.4

8737. The problem of the relation between contact resistance and contact p.d. / M. A. KAPOZOLAZ AND K. B. TOLEPYOV. *J. Tech. Phys., USSR*, 21, 417-23 (April, 1951) In Russian.

Calculation of the tunnel effect through a potential barrier formed by a curvature of the conductivity zone of the semiconductor on which a metal electrode had been deposited. The influence of this effect on the contact resistance is considered for various forms of the potential barrier. In the contact model suggested by B. I. Davydov this influence is particularly strong and leads to "saturation" of the resistance with increasing contact p.d. The image forces on the metal were estimated in a certain approximation and the theory compared with A. M. Pavlenko and V. I. Lyashenko's results obtained in experiments with copper oxide. In the presence of an extraneous field, and when current passes, the curvature of the conductivity zone lower boundary is parallel to the curve of the potential due to extraneous field and space

charges and the diffusion equation applies to the current, but not when the field is too strong (i.e. takes values actually occurring on the metal semiconductor contact faces when work functions differ considerably). At high potentials the main part of the contact resistance is concentrated in a layer 10^{-7} cm thick, and then tunnel effect becomes conspicuous. The treatment is one-dimensional. The Schrödinger equation with a potential term representing the sum of contact potential and periodic lattice potential must be solved, and this is facilitated by the elimination of the lattice potential term by Pekar's method of the effective mass, the solution itself being performed by the *WKB* method. It is very difficult to determine the scatter of the ψ -states obtained on the thermal lattice oscillations, but it is reasonable to assume that in a layer 10^{-7} cm thick only one scatter process occurs, that in the "classical domain" *B* the diffusion equation applies and that in the *A* domain there is only tunnel effect without scatter.

B. P. KRAUS

ASB. I. I. A. METALLURGICAL LITERATURE CLASSIFICATION

✓ ~~Electronic semiconductors of metallic type.~~ H. J. PEARL
 and M. A. GARDNER, *Pis'ma v Sborniku Zhurnalov Fizicheskoy Akademii Nauk S.S.S.R.* 1952, 334-43. — The ultimate
 object of this article is the investigation of the effect of the
 concn. of donors on the metallic cond. of semiconductors.
 PbS carrying excess Pb is chosen as a typical example. By
 assuming the polaron theory of elec. cond. and by using
 the available data, the following conclusions are reached:
 When the concn. of donors is very high the concn. of the
 current carriers is independent of temp. until thermolysis
 takes place. The elec. cond. decreases with temp. be-
 cause of decreased mobility. When the concn. of donors de-
 creases the energetic spectrum of current carriers splits into
 2 zones. In the lower zone the concn. of the current car-
 riers depends exponentially on the distance between the
 atoms of the excess metal; in the upper zone the carriers
 move as free polarons in an ideal crystal. At low temp. the
 greatest concn. of current carriers is in the lower zone where
 it is practically independent of the temp., while in the upper
 zone it varies exponentially with temp. If the excess metal
 centers have 2 valence electrons we have a quasi-dielec.;
 if they have one, a quasi-metal. As the concn. of donors
 further decreases the motion of the carriers in the lower
 zone becomes impossible, while in the upper zone nothing
 changes basically and the crystal becomes a semiconductor
 of an ordinary donor type. N. Gokhowski

①
 GARDNER
 PEARL

KRIVOGLAZ, M.A.; PEKAR, S.I.

Spectral pattern of mixed light absorption and luminescence
in dielectrics. Trudy Geof.inst. no.4:37-70 '53. (MLRA 7:12)
(Dielectrics--Spectra) (Absorption spectra) (Luminescence)

KRIVOGLAZ, M. A.

Solid State Physics, Thermodynamics (1906)

Vopr. Fiz. Metallov i Metallovedeniya A. N. Ukrainskoy SSR, No 4, 1953, pp 95-103

Krivoglaz, M. A., and Smirnov, A. A.

Diffusion of Embedded Atoms in Ordering Alloys With Crystalline Lattice of Fe₃Al Type

Based on the magnitude of potential energy of diffusing interstitial atoms of lattice (U_0^m) and on the probability of realization around these atoms of a m -order configuration (W_0^m), the authors obtained the number of atoms forming the configuration m around interstices of two kinds, O_1 and O_2 (n_{1m} and n_{2m}):

$$n_{1m} = \lambda W_{O_1}^m \exp \frac{U_0^m}{kT}, \quad n_{2m} = \lambda W_{O_2}^m \exp \frac{U_0^m}{kT}, \quad \text{where } \lambda \text{ is a normalizing coefficient.}$$

So: Moscow, Referativnyy, Zhurnal -- Fizika, No 5, 1954 W-31059

STATE DEPARTMENT OF THE ARMY
IN ALLOYS DURING THE PERIOD
M. K. Kugler and A. J. ...
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"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000826520018-9

APPROVED FOR RELEASE: 06/14/2000

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