

GUBIN, V.V.

Classification and the future of certain flow sheets of manless coal mining. Trudy VNIIGidrouglia no.1:58-63 '62. (MIRA 16:12)

1. Sibirskiy metallurgicheskiy institut.

GUBIN, V.V., dotsent; MOGILEVSKIY, I.S.; GEL'MUT, A.Ye., gornyy inzh.

Coping with the rated capacity of mine No.8 of the "Prokop'-yevskugol'"Trust. Ugol' 38 no.11:8-10 N '63.

(MIRA 17:9)

1. Gornyy fakul'tet Sibirskigo metallurgicheskogo instituta (for Gubin). 2. Glavnyy inzh. shakhty No.8 tresta Prokop'-yevskugol' (for Mogilevskiy). 3. Shakhta No.8 tresta Prokop'-yevskugol' (for Gel'mut).

GUBIN, V.V., dotsent

Conditions for their use and the mining system parameters for
coal cutting by wire line saws in a hydraulic mining complex.
Izv.vys.ucheb.zav.; gor.zhur. 7 no.2:15-22 '64. (MIRA 17:3)

1. Sibirskiy metallurgicheskiy institut. Rekomendovana kafedroy
gidrodobychi.

GUBIN, V.V., dotsent; RISHNYAK, S S., dotsent

Review of the textbook by G.N.Popov "Development of mineral resources". Ugol' 39 no.11:77 N '64.

(MIRA 18:2)

1. Sibirskiy metallurgicheskiy institut.

GGBEN, V.V.

Controlling rock pressure during the mining of steep seams without
the presence of men in stopes. *Vop.gor.davl. no.22:29-32 '54.*
(MIRA 18:6)

1. Sibirskiy metallurgicheskiy Institut.

WALL, A. W.

GULIN, V. YE. -- "RELATIONAL PERFORMANCE OF INTERNAL-GEARED PLANETARY GEARINGS WITH VARIOUS GEOMETRIES." DED 10 APR 57, HONOR ORDER OF LABOR FOR LABOR ACCOMPLISHMENT BY ACADEMICIAN I. M. GUCKIN (DISSERTATION FOR THE DEGREE OF CANDIDATE IN TECHNICAL SCIENCES)

SO: VECHERNAYA MOSKVA, JANUARY-DECEMBER 1952

ILEBITOV, M.S.; GUBIN, V.Ya.

Determining the time for petroleum products to discharge from
tank cars in the self-flowing discharge. Izv. vys. ucheb. zav.;
neft' i gaz 7 no.2:79-83 '64. (MIRA 17:10)

1. Ufimskiy neftyanoy institut.

SVIRIDOV, V.F.; GUBIN, V.Ye.

Optimal parameters of the electric heating of petroleum products in tank cars. Izv. vys. ucheb. zav.; neft' i gaz 7 no.2:85-89 '64.
(MIRA 17:10)

1. Ufimskiy neftyanoy institut.

KHARLAMENKO, V.I.; GUBIN, V.Ye.

Forcing a highly viscous liquid from short and long pipelines.
Izv. vys. ucheb. zav.; neft' i gaz 7 no.3:87-94 '64.

(MIRA 17:6)

1. Ufimskiy neftyanoy institut.

KHARLAMENKO, V.I.; GUBIN, V.Ye.

Ejection of petroleum and petroleum products from pipelines
with piston pumps. Izv. vys. ucheb. zav.; neft' i gas 7
no.11:77-81 '64. (MIRA 18:11)

1. Ufimskiy neftyanoi institut.

KHARINENKO V.I.; GUBIN, T. Ye.

Concerning the wash-out phase in the process of liquid displacement in a pipeline in case of laminary regime. Izv. vys. uchek. zar.; nefte i gaz' no. 12:197-204 (1974) (1974) (1974)

1. Ufimskiy neftegazoviy institut.

ILEMBITOV, M.S.; GUBIN, V.Ye.

Pouring petroleum products from tank cars through an auxiliary
reservoir. Izv. vys. ucheb. zav.; neft' i gaz 8 no.1:95-96 '65.
(MIRA 18:2)

1. Ufimskiy neftyanoy institut.

GUBIN, Ye.

Prediction of earthquakes. Part 2. Izv. AN SSSR. Ser. geofiz. oo.9:
1292-1299 S 16a. (MIRA 17:10)

1. Institut fiziki Zemli AN SSSR.

GUBIN, Yevgeniy Pavlovich; CORELIK, L.Ya., red.; GERASIMOVA, Ye.S.,
tekhn. red.

[Ways of the formation of agrarian-industrial combines]
Puti formirovaniia agrarno-promyshlennykh ob"edinenii. Moskva,
Ekonomisdat, 1963. 79 p. (MIRA 16:7)
(Agriculture--Economic aspects)

ANIKEYEV, Ye.; GUBIN, Ye.P., kand. ekon. nauk, dots., red.;
SAKHONENKO, Ye., tekhn. red.

[Disseminate practice in reducing production costs among
all collective and state farms] Opyt snizheniia sebestoi-
mosti produktsii - vsem kolkhozam i sovkhozam. Smolensk,
Smolenskoe knizhnoe izd-vo, 1963. 87 p. (MIRA 16:12)
(Smolensk Province--Agriculture--Costs)

GUBINA, A.A.; ZAKGEYM, Ye.N.; ZUSMANOVICH, V.M.; IVANOV, K.N.;
LISITSYN, S.N.; MOZGOV, A.Ya.; PAVLOV, A.S.; PISKORSKIY,
B.N.[deceased]; USHOMIRSKAYA, A.I.; FINKEL'SHTEYN, S.M.;
CHISTOVSKIY, V.B.; SHER, S.Yu.; ADAMOV, O.V., nauchn. red.;
BEYZERMAN, A.N., nauchn. red.; ZHIVOV, M.S., nauchn. red.;
POGORELYY, P.P., nauchn. red.; STAROVEROV, I.G., nauchn. red.;
STESHENKO, A.L., nauchn. red.; TSEYTLIN, M.M., nauchn. red.;
KOKHANENKO, N.A., inzh., red.; VOLNYANSKIY, A.K., glav. red.

[Assembling interior sanitary equipment] Montazh vnutren-
nikh sanitarno-tehnicheskikh ustroystv. Moskva, Stroizdat,
1964. 725 p. (MIRA 17:8)

GUBINA A. F.

VSESOYUZHAYA AKADEMIYA SEL'SKOKHOZYAYSTVENNIYKH NAUK.

N/3
661.3
.V91

OPYLENIYE SEL'SKOKHOZYAYSTVENNIYKH RASTENIY (POLLENATION OF AGRICULTURAL
PLANTS) POD OBSHCHEY RED. I. V. KEMSKHUNASA I.A. F. GUBINA. MOSKVA,
SEL'SKOKHOZCIZ, 1956.

230 P. ILLUS., DIAGRS., TABLES.

INCLUDES BIBLIOGRAPHIES.

GUBINA, G.P., YANKILEVICH, T.Ya.

Use of the alkaloid echinopsin in neurological practice
[with summary in French]. Zhur.nevr. i psikh. 58 no.10:1218-1224 '58
(MIRA 11:11)

1. Vsesoyuznyy institut lekarstvennykh i aromaticeskikh rasteniy
(dir. N.Ya. Itskov) i Gorodskaya klinicheskaya bol'nitsa No.52
(glavnyy vrach P.S. Petrushko), Moskva.

(NERVOUS SYSTEM, Dis.)

ther.,echinopsin (Rus))

(ALKALOIDS, ther. use

echinopsin in N.S. dis. (Rus))

GUBINA, G.P.

Clinical use of infusions of Echinopanax elatum. Vrach.delo no.5:
495-497 My '59. (MIRA 12:12)

1. Vsesoyuznyy institut lekarstvennykh i aromaticeskikh rasteniy
(Vilar).

(GINSENG--THERAPEUTIC USE)

GUBINA, G.P.; OMEL'YANENKO, L.M. (Moskva, Leningradskiy pr., d.28, kv.52)

Some data on the use of the alkaloid echinopsin in treating patients
with radiation sickness. Vest.rent.i rad. 34 no.5:29-34 S-0 '59.

(MIRA 13:3)

(RADIATION INJURY therapy)

(ALKALOIDS therapy)

GUBINA, G.P.

On the treatment of postinfluenzal asthenia. Zhur.nevr.i psikh. 59
no.10:1239-1242 '59. (MIRA 13:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut lekarstvennykh i
aromaticeskikh rasteniy (direktor N.Ya. Itskov) i kafedra nervnykh
bolezney II Moskovskogo meditsinskogo instituta (zaveduyushchiy -
prof. N.K. Bogolepov).

(INFLUENZA compl.)

(NEURASTHENIA etiol.)

GUBINA, G.P.

Clinical use of the alkaloid echinopsine. Med.prom. 14 no.2:
53-54 P '60. (MIRA 13:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut lekarstvennykh
i aromaticeskikh rasteniy.

(ECHINOPSINE)

GUBINA, G.P.; LESKOV, A.I. (Moskva)

Clinical use of liquid extract of *Passiflora incarnata*. Vrach. delo
no.9:44-47 S '60. (MIRA 13:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut lekarstvennykh
i aromaticeskikh rasteniy.
(PASSIONFLOWER) (SEDATIVES)

SOKOLOVA, L.N.; KICHENKO, V.I.; ROSTOTSKIY, B.K.; GUBINA, G.P.

Diosponin, a new drug for treating atherosclerosis. Med. prom.
15 no.7:43-45 J1 '61. (MIRA 15:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut lekarstvennykh
i aromaticeskikh rasteniy.

(ARTERIOSCLEROSIS)
(DIOSCOREA--THERAPEUTIC USE)

GIBINA, G.P.

Clinical characteristics of disorders of the motor analyzer in
vascular foci of the right hemisphere of the brain. Zhur. nevr.
i psikh. 64 no. 11:1618-1625 '64. (MIRA 18:6)

1. Laboratoriya patologii nervnoy sistemy (zaveduyaschiy - prof.
I.A. Kikuyev) Instituta mozga (direktor - prof. S.A. Barkisov) AMN
SSSR, Moskva.

MIKHAYLOVSKIY, S.V.; MUZYKA, M.M.; BARIYAK, R.A. GUBINA, K.M.

Treatment of scleroma respiratorium with antibodies. Vest. otorinolaryngol. Moskva 14 no.2:59-62 Mar-Apr 1952. (GML 22:1)

1. Honored Worker in Science Bashkir ASSR, Professor for Mikhaylovskiy; Docent for Muzyka and Bariyak; Assistant for Gubina. 2. Of the Department for Diseases of the Ear, Throat, and Nose (Head -- Prof. S. V. Mikhaylovskiy) and of the Department of Microbiology (Head -- Docent M. M. Muzyka), L'vov Medical Institute.

GRUBIN, K. V.

"The Effect of Certain Antibiotics on Rickettsia Proxovskii." *Card*
Med Sci, L'vov State Medical Inst; L'vov Sci Res Inst of Epidemiology
and Microbiology, L'vov, 1953. (RZhBiol, No 1, Sep 54)

SO: Sum 432, 29 Mar 55

MIKHAYLOVSKIY, S.V.; NUZYKA, M.M.; BARILYAK, R.A.; GUBINA, K.M.

Streptomycin as an effective medium in the treatment of respiratory
scleroma. *Sovet med.* 17 no.5:20-22 May 1953. (GLML 24:5)

1. Professor, Honored Worker in Science Bashkir ASSR for Mikhaylovskiy.
2. Of the Clinic for Diseases of the Ear, Throat, and Nose (Head -- Honored Worker in Science Bashkir ASSR Prof. S. V. Mikhaylovskiy) and of the Department of Microbiology (Head -- M. M. Masyka) of L'vov Medical Institute (Director -- Prof. D. I. Panchenko).

GUBINA, K.M.

Selective medium for bacteriological study of rhinoscleroma. Mikro-
biol.zhur. 16 no.3:79-84 '54. (MLRA 8:7)

1. Z L'vivs'kogo medichnogo instituta
(RHINOSCLEROMA, bacteriology,
culture medium, selective)
(CULTURE MEDIA,
for rhinoscleroma organisms, selective medium)

MIKHAYLOVSKIY, S.V., professor; MUZYKA, M.M., dotsent; BARYLYAK, R.A., dotsent; GUBINA, K.M.

Method of combined therapy for scleroma of the respiratory organs.
Vest.oto-rin. 17 no.1:61-62 Ja-F '55. (MIRA 8:5)

1. Iz kliniki bolezney ukha, gorla i nosa (zaveduyushchiy - profesor S.V.Mikhaylovskiy) i kafedry mikrobiologii (zaveduyushchiy - dotsent M.M.Muzyka) L'vovskogo meditsinskogo instituta.

(RESPIRATORY ORGANS--DISEASES)
(RHINOSCLEROMA)

P

Country : USSR
 Category : Microbiology-Antibiosis and Symbiosis. Antibiotics

Abs. Jour : Ref Zhur - Biol., No.10, 1958, 86005

Author : Gubina, R.M.; Muzyka, N.M.
 Institut. :
 Title : Variability of Capsular Bacteria under the Influence of Antibiotics

Orig Pub. : Probl. Skleromn. Infektzii, Minsk, Gosizdat USSR, 1957, 71-75

Abstract : Four of the studied species of capsular bacteria easily and comparatively quickly acquired a high degree of resistance to penicillin and biomyacin, retaining in this a mucoid type of growth Upon adaptation of the microbes to synthomycin, levomyce-tin and gramicidin, the character of growth of the colonies changed. Under the influence of strepto-mycin there was a very slow increase in resistance of the bacteria to antibiotic. The serologic pro-perties of the non-mucoid colonies, and also their fermentative activity, did not differ from those of the original cultures. In experiments with cult-

Card: 1/2

USSR / Microbiology. Microbes Pathogenic to Man and Animal. Bacteria of the Intestinal Group. F

Abs Jour : Ref. Zhur - Biol., No. 21, 1958, No. 95179

Author : Muzika, M. M.; Gubina, K. M.

Inst : -

Title : Bacteriological Indicators During Treatment of Scleroma with streptomycin.

Orig Pub : V sb.: Probl. skleromn. infektsii. Minsk, Gosizdat BSSR, 1957, 248-250

Abstract : No abstract.

Card 1/1

BARABASHCHUK, O.V.; BAKHMUT, P.G. [Bakhmut, P.H.]; GUBINA, K.M. [Gubina, K.M.]; DEMYANKO, M.D.; KALITA, S.M.; KARACHENTSEVA, L.S.; KONDRAT'YEVA, V.I.; KORZACHENKO, M.N.; LITVINOVA, N.M. [Litvionova, N.M.]; SOKOLOVA, M.I.; SPORONSKAYA, O.Y. [Sporons'ka, O.I.]; TRINKINA, N.V.; TONKIKH, P., otv. za vypusk, MARCHENKOV, S., red.; KURITSA, G. [Kuritsa, H.], tekhn.red.

[Economy of Droghobych Province; statistical collection] Narodne gospodarstvo Droghobych'skoi oblasti; statystychnyi zbirnyk. Droghobych, 1958. 158 p. (MIRA 12:11)

1. Droghobych (Province) Statisticheskoye upravleniye. 2. Statisticheskoye upravleniye Droghobychskoy oblasti (for all except Tonkikh, Marchenkov, Kuritsa).

(Droghobych Province--Statistics)

GUBINA, K.M.

Rapid method for making a bacteriological diagnosis of scleroma.
Lab.delo 6 [i.e.4] no.445-46 J1-Ag '58 (MIRA 11:9)

1. Iz kafedry mikrobiologii (sav. M.M. Muzyka) L'vovskogo meditsinskogo
instituta.
(RHINOSCLEROMA)

RUDENSKAYA, I.M.; GUBINA, L.V.; TRASKUNOVA, M.A.

Coating reinforced concrete tanks with gasoline-resistant sealer.
Trudy VNII NP no.5:148-155 '56. (MLRA 9:8)
(Tanks) (Gasoline--Storage)

GURINA, N. E., AVANYAN, I. A.

"Improving the methods of diagnosing the plague." p. 23h

Desyatoye soveshchaniye po parazitologicheskim problemam i prirodnoochagovym boleznyam. 22-29 Oktyabrya 1959 g. (Tenth Conference on Parasitological Problems and Diseases with Natural Foci 22-29 October 1959), Moscow-Leningrad, 1959, Academy of Medical Sciences USSR and Academy of Sciences USSR, No. 1 254pp.

Desyatoye Soveshchaniye po parazitologicheskim problemam i prirodnoochagovym boleznyam. 22-29 Oktyabrya 1959 g. (Tenth Conference on Parasitological Problems and Diseases with Natural Foci 22-29 October 1959), Moscow-Leningrad, 1959, Academy of Medical Sciences USSR and Academy of Sciences USSR, No. 1 254pp.

Anti plague Inst. of the Caucasus and Transcaucasus/Stavropol'

KHVOSHCHINSKIY, N.V., inzh.; GUBINA, N.I., inzh.

Engineering protection in the reservoir area. Energ.stroi. no.23:
86-95 '61. (MIRA 15:1)

1. Ispolnyayushchiy obyazannosti glavnogo inzhenera stroitel'stva Kremenchugskoy gidroelektrostantsii (for Khvoshchinskiy).
2. Rukovoditel' gruppy proizvodstvenno-tekhnicheskogo otdeleniya stroitel'stva Kremenchugskoy gidroelektrostantsii (for Gubina).
(Kremenchug Hydroelectric Power Station--Hydraulic structures)

AVANYAN, L.A.; GUBINA, N.Ye.

Effect of iron on the growth and virulence of plague microbes.
Zhur.mikrobiol.epid.i immun. 32 no.3:92-97 Mr '61. (MIRA 14:6)

1. Iz Nauchno-issledovatel'skogo protivochumnogo instituta Kavkaza
i Zakavkaz'ya Ministerstva zdravookhraneniya SSSR, Stavropol'.
(IRON) (PASTEURELLA PESTIS)

GUBINA, N.Ye.; VORONINA, T.T.; POBIVANTSEVA, N.P.

Differential molybdenum medium for plague and pseudotuberculosis bacteria. Zhur. mikrobiol. epid. i immun. 33 no.10:
12-15 0'62 (MIRA 17:4)

1. Iz Nauchno-issledovatel'skogo protivochumnogo instituta
Kazkaza i Zakavkaz'ya.

AVANYAN, L.A.; GUBINA, N.Ye.; IVANOVA, V.F.

Effect of iron on the virulence and immunogenicity of avirulent strains of Pasteurella pestis. Zhur. mikrobiol. epid. i immun. 40 no.5:17-23 My '63. (MIRA 17:6)

1. Iz nauchno-issledovatel'skogo protivochumnogo instituta Kavkaza i Zakavkaz'ya Ministerstva zdravookhraneniya SSSR, Stavropol'.

TIFLOV, V.Ye.; GUBINA, N.Ye.

New flea conserving liquid for plague tests; preliminary report.
Mat. k pozn. fauny i flory SSSR. Otd. zool. no.39:199-204 '64.
(MIRA 17:6)

PEREPELKINA, M.D.; GUBINA, R.S.; KRZHIZHANOVSKIY, K.I.

Assortment of nonwoven fabrics. Tekst. prom. 23 no.9:15-19 S '63.
(MIRA 16:10)

1. Nachal'nik laboratorii netkanykh materialov Leningradskogo nauchno-issledovatel'skogo instituta tekstil'noy promyshlennosti (for Perepelkina). 2. Rukovoditel' gruppy laboratorii netkanykh materialov Leningradskogo nauchno-issledovatel'skogo instituta tekstil'noy promyshlennosti (for Gubina). 3. Glavnyy inzh. fabriki imeni Nogina (for Krzhizhanovskiy).
(Nonwoven fabrics)

PEREPELKINA, M.D., nauchnyy sotrudnik; GUBINA, R.S., nauchnyy sotrudnik;
Prinimali uchastiye: SHULESHKO, I.S., kand.tekhn.nauk;
KRZHIZHANOVSKIY, K.I.; DOROGOY, Ye.V.; LITICHEVSKIY, M.V.

Effect of certain factors on the characteristics of nonwoven
fabrics manufactured by the knit-and-stitch method. Tekst.
prom. 22 no.12:48-52 D '62. (MIRA 16:1)

1. Nauchno-issledovatel'skiy institut tekstil'noy promyshlennosti Leningradskogo soveta narodnogo khozyaystva (for Perepelkina, Gubina).
 2. Nachal'nik pryadil'nogo sektora spetsial'nogo konstruktorskogo byuro tekstil'noy promyshlennosti Leningradskogo soveta narodnogo khozyaystva (for Shuleshko).
 3. Glavnyy inzh. tekstil'noy fabriki im. Nogina (for Krhizhanovskiy).
 4. Starshiy inzh. spetsial'nogo konstruktorskogo byuro trikotazhnykh mashin Leningradskogo soveta narodnogo khozyaystva (for Litichevskiy).
- (Nonwoven fabrics)

GUBINA, T. F.

✓ *Geo* Chemical analysis of water in the laboratories and re-
 search institutes of the petroleum industry. T. F. Gubina
 (Sci. Research Petroleum Inst., Moscow). ~~1955~~
 Materialy 24, 9-11(1955).--Waters of petroleum regions,
 especially deep water sources in oil-bearing strata, are
 mostly at the surface, basically desulfurized, and belong
 to two types (V. A. Sulin's classification system):
 CaCl₂ and NaHCO₃. The MgCl₂ and Na₂SO₄ types also
 occur. The usual water analysis by main ions is inade-
 quate for correlation of varied strata, as the chem. compo-
 sition is too similar and faulty sampling occurs. The defn. of I,
 Br, B, NH₄, and other micro-elements and ions, some of
 which are present in quantity in deep water, is promising
 for establishing correlations with oil-bearing deposits and for
 controlling proper treatment. Sr, Ba, Li, I, and Br are
 already so used. A new method of detg. naphthenic acids
 is needed. Elements not found in deep-stratum waters are
 being used as tracers by means of a luminescent method,
 e.g., the normal ratio Cl/Br in natural water is 300, for
 stratum waters is 160 or less, but in oil-bearing strata ad-
 jacent to salt deposits, it is 1000 and up. H. T. R.

MIRA, S. S.

Method for determining the naphthenic acid content of reservoir
waters. Trans. VNI no. 1:199-204 '68. (MIRA 12:7)
(Naphthenic acids) (Oil field brines)

LYSENKO, T.I.; OL'SHANSKIY, M.A.; SINYAGIN, I.I.; GLUSHCHENKO, I.Ye.;
VAKHNTSIYAN, I.S.; PREZENT, I.I.; SHCHERBINOVSKIY, N.S.; SHUNKOV,
V.I.; YEVSTIGNEYEV, S.N.; BOCHEVER, A.M.; LITVIN, V.M.; YAYKOVA,
A.T.; PODVOYSKIY, I.I.; SAKS, Ye.I.; KHALIFMAN, I.A.; FEYGINSON,
N.I.; SHCHEGLOVA, Yu.N.; DLUGACH, G.V.; STERNIN, R.A.; LISOVSKAYA,
O.V.; GUBINA, T.I.; ROZENFEL'D, M.I.; TSVETAYEVA, Ye.M.; PARKHO-
MENKO, Ye.V.; NEYMAN, N.F.

Sofia Iakovlevna Voitinskaia; an obituary. Agrobiologiya no.4:121
Jl-Ag '58. (MIRA 11:9)
(Voitinskaia, Sofi'ia Iakovlevna, 1898-1958)

GESVAL'D, K. prof., doktor [Gösswald, K.] (Federativnaya Respublika Germanii); GUBINA, T.I. [translator]

Role of trophogenic factors in determining the castes of ants.
Agrobiologiya no.2:270-282 Mr-Apr '61. (MIRA 14:3)

1. Vyurzburgskiy universitet, Institut prikladnoy zoologii.
(Ants)

GUBINA, T.P.

Functional state of the cardiovascular system in hypertension.
Medych.zhur. 17:431-452 '47. (MIRA 11:1)

1. Z Ukrains'kogo institutu klinichnoi meditsini (direktor -
akad. M.D.Strazhesko)
(CARDIOVASCULAR SYSTEM--DISEASES) (HYPERTENSION)

I 58814-65 EWT(d)/EWT(1)/EWT(m)/EPF(c)/EEC(k)-2/EPF(n)-2/EWG(m)/EPR/I/EWG(-)
Pr-4/Pu-4 IJP(c) RWH/WW/JAJ/RM

ACCESSION NR: AP5015695

UR/0076/65/039/006/1536/1537
543.544

AUTHOR: Ignatov, Yu. I.; Shostenko, Yu. V.; Gubina, T.N.

37
36
B

TITLE: Effect of deep cooling on the properties of ion exchangers

SOURCE: Zhurnal fizicheskoy khimii, v. 39, no. 6, 1965, 1536-1537

TOPIC TAGS: ion resin exchanger, ion exchange, morphine adsorption, resin cooling, calcium adsorption, adsorptive capacity

21
ABSTRACT: The effect of low temperatures on the properties of KU-1, KU-2, and KFU ion exchange resins was studied by immersing the latter in liquid nitrogen for 10 hr, then keeping them in air at room temperature for 24 hr. No changes in adsorptive capacity (determined by adsorption of calcium ions) or in external appearance were observed. The swelling increased by 15-20%. Because of this increase, it was expected that the ion exchangers would preferentially adsorb organic ions as compared to untreated exchangers. Static experiments with morphine hydrochloride confirmed this hypothesis. It is concluded that the thermal treatment of condensation cation-exchangers may be used to alter their selectivity, particularly in the adsorption of large organic ions. Preliminary exposure of ion exchangers to low temperatures is preferred to treatment at high

Card 1/2

L 58814-65

ACCESSION NR: AP5015695

temperatures because no ionogenic groups are destroyed. Orig. art. has: 2 figures.

ASSOCIATION: Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut (Khar'kov Scientific Research Chemico-Pharmaceutical Institute)

SUBMITTED: 07Jan65

ENCL: 00

SUB CODE: 1C, OC

NO REF SOV: 002

OTHER: 000

Card 2/2 *slp*

GUBINA, V.G.

Basic forms of plant helminth control. Trudy Gel'm. lab. 16:
32-41 '65. (MIRA 19:2)

Gubina, V.G.

COUNTRY	USSR	P
CATEGORY	General and Specialized Zoology. Insects. Harmful insects and ticks	
	Tr. : Zhurnal, No. 22 1958, No. 1. 14	
AUTHOR	Gubina, V.G., Solovnikov, G.V.	
INST.	:-	
TITLE	The Potato Moth	
ORIG. PUB.	Zhurnikha Vest. of Vrest. i Solovnikov, 1957, No. 3, 14-15	
ABSTRACT	According to the findings of Japanese authors, the biology of this moth and methods of its control have been found. In Japan the moth destroys as high as 10% of club potatoes (in storehouses) and up to 60-80% of the tobacco harvest, and harms various other members of the potato family. It develops in 7-9 generations, and 10 to 14 in other countries. The most favorable regions for growth of the moth are the southern part of Siberia or 17° and the northern limit of distribution is about the 10° isotherm. The danger has not been ruled out that the moth will enter the USSR, since it is found in Bulgaria, Yugoslavia, France, Italy and China. -- A.S. Solovnikov	
CARD:	1/1	

KRESTOVNIKOV, A.N., prof.; GASTEV, S.S., dotsent; GUBINA, V.V., assistant

Rate of etching of zinc used in printing and recovery of etching
solutions. Nauch. trudy MPI no.7/8:247-253 58. (MIRA 14:12)
(Zincography)

GUBINA, Ye. A.; YANKEL'EV, I. F.

Insulation (Heat)

Heat insulation from asbestos-slate waste and bentonite. Elek, sta. 23 no. 2, 1952.

Inzh.

SO: Monthly List of Russian Accessions, Library of Congress, April ² 1953, Uncl.

GUBINA, Ye. A.

"A Study of Immunity After Vaccination by Live Brucellosis and Tularemia Vaccines." Proceedings of Inst. Epidem and Microbiol im. Gamaleya 1954-56.

Other Personnel Identified as Participants in the 13 Unidentified Scientific Conferences Held by the Institute During 1955. Inst. Epidem and Microbiol im. Gamaleya AMS USSR

SO: Sum 1186, 11Jan 57.

GUBINA, Ye.A.

Vaccinal process in combined immunization against brucellosis and tularemia. Zhur.mikrobiol.epid. i immun. 28 no.7:19-23 J1 '57.

(MIRA 10:10)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.

(BRUCELOSIS, immunology,

brucellosis-tularemia vaccine, eff. in guinea pigs (Bus))

(TULAREMIA, immunology,

same)

GUBINA, Ye.A.

Experimental studies on immunization with associated brucellosis-tularemia vaccine in guinea pigs. Zhur.mikrobiol.epid. i immun. 28 no.11:107-111 N '57. (MIR 11:3)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.
(VACCINES AND VACCINATION,
brucellosis-tularemia polyvalvaccine, eff. of guinea pigs (Rus)
(BRUCELLOSIS, immunology,
same)
(TULAREMIA, immunology,
same)

~~GUBINA, Ye. A.,~~ UGILOVOY, G.P.

Studies on vaccination reaction following immunization of human subjects with associated brucellosis-tularemia vaccine. Zhur. mikrobiol. epid. i immun. 29 no.2:8-11 F '58. (MIRA 11:4)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.
(BRUCELLOSIS, immunology,
brucellosis-tularemia vaccine, postvaccinal reactions in humans (Rus)
(TULAREMIA, immunology,
same)
(VACCINES AND VACCINATION,
same)

GUZINA, Ye.L., Cand Med Sci--(disc) "Experimental study of live
epitopes in celleris-tubercu⁴ vaccine and its testing on human
beings." Mos, 1957. 16 pp (Acad Med Sci USSR. Inst of Epidemiology
and Microbiology ~~4~~ in Honored Lead N.F. Gamale^{ya}), 200 copies
(M, 30-59, 182)

-47-

SIDOROV, V.Ye.; GUBINA, Ye.A.

Preservation of vaccinal strains of *Brucella abortus* 19-BA
in ticks *Ornithodoros lahorensis* Neumann. Zhur. mikrobiol.,
dpid. i immun. 33 no.7:130-133 JI '62. (MIRA 17:1)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei
AMN SSSR.

GUBINA, Ye.A.; DUNAYEVA, T.N.

Infectious process in mixed tularemia-brucellosis infection.
Zhur. mikrobiol. epid. i immun. 40 no.5:3-8 My '63.

(MIRA 17:6)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei
AMN SSSR.

GUBINA, Ye.A.

Practical value of the agglutination reaction by the Kastaned method
for the diagnosis of brucellosis. Lab. delo no.1:40-43 '64.

(MIRA 17:4)

1. Otdel brutselleza Instituta epidemiologii i mikrobiologii im. N.F.
Gamalei (direktor - prof.P.A.Vershilova) AMN SSSR.

*

GUBINA, Ye.A.; CHERNYSHEVA, M.I.

Study of immunogenesis in vaccination with live associated vaccine. Report No.1: Study of immunogenesis in guinea pigs vaccinated with brucellosis and anthrax vaccines. Zhur. mikro-biol., epid. i immun. 41 no.10:3-7 '64.

(MIRA 18:5)

1. Institut epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.

L 62622-65 EWT(1)/EWA(j)/T/EWA(b)-2 JK
ACCESSION NR: AP5011282

UR/0016/65/000/004/0092/0096

AUTHOR: Grekova, N. A.; Gubina, Ye. A.

TITLE: The course of brucellosis in guinea pigs infected with brucella
isolated from reindeer

19
18
8

SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii,
no. 4, 1965, 92-96

TOPIC TAGS: guinea pig, brucella, brucellosis, virulence,
epidemiology

ABSTRACT: The virulence and pathogenicity of 3 brucella strains (3,03,001) isolated from reindeer were compared with those of virulent Br. melitensis No. 565 strain, Br. suis No. 1330 strain, and Br. abortus 19-ra strain in experiments on guinea pigs. Experimental animals were infected subcutaneously with 2 day old cultures of brucella isolated from reindeer in doses of 10 to 1 billion of Br. melitensis, Br. suis and Br. abortus. Animals were killed 30 days later for bacteriological and histological investigations of the lymph nodes, lungs, spleen, and bone marrow. Findings show that the 011 strain is the least virulent and least pathogenic of the 3 brucella cultures isolated from reindeer. Brucella strains

Card 1/2

L 62622-65

ACCESSION NR: AP5011282

3 and O3 proved to be more virulent, producing pathohistological changes in the lymph nodes and organs of the same severity as corresponding doses of Br. melitensis No. 565 strain. The use of small doses of infectious bacteria in addition to large doses is strongly recommended in studying the virulence and pathogenicity of closely related brucella cultures. Small doses of a given strain generally produce different types of reactions, whereas large doses often produce a single type of reaction which may be misleading. Orig. art. has: 2 tables and 3 figures.

ASSOCIATION: Institut epidemiologii i mikrobiologii im. Gamalei AMN SSSR
(Institute of Epidemiology and Microbiology AMN SSSR)

SUBMITTED: 02Jan64

ENCL: 00

SUB CODE: LS

NR REF SOV: 009

OTHER: 000

Card 2/2

ACC NR: AP6020688

SOURCE CODE: UR/0016/66/000/006/0117/0121

AUTHOR: Gubina, Ye. A.; Chernysheva, M. I.

ORG: Institute of Epidemiology and Microbiology, Academy of Medical Sciences, SSSR
(Institut epidemiologii i mikrobiologii im. Gamalei AMN SSSR)

TITLE: Immunogenesis in immunization with combined live vaccines. Report 2. Effect
of anthrax vaccine on the intensity of brucellosis immunity

SOURCE: Zh mikrobiol, epidemiol i immunobiol, no. 6, 1966, 117-121, and insert
facing pg. 120, and insert facing pg. 121

TOPIC TAGS: synergy, antibiotic, animal disease, vaccine, immunity, anthrax,
brucellosis, cellular response, *IMMUNIZATION*

ABSTRACT:

Animals inoculated with a divaccine for brucellosis and anthrax developed
a slight immunity to brucellosis, but after three months animals inoculated
with divaccine were less resistant than animals receiving monovaccine.
Animals inoculated with the divaccine showed more distinct histopathological
changes upon infection with brucellosis strain no. 565. Orig. art. has: 3 tables and
11 figures. [W.A. 50; CBE No. 10]

SUB CODE: 06/ SUBM DATE: 29May65/ ORIG REF: 001/

UDC: 616.981.42-097.3-02:616.981.42-0847615.371

GUBINA, Ye.S.

Operating practices in a consolidated medical district.
Zdrav.Ros.Feder. 2 no.11:26-28 N'58 (MIRA 11:12)

1. Iz Sverdlovskogo gorodskogo **otdela** zdravookhraneniya.
(SVERDLOVSK--PUBLIC HEALTH)

RUBTSOVA, L.K.; POCHAPINSKIY, V.I.; LYUOSEV, V.A.; GUBINSKAYA, Ye.I.;
KARAPETYAN, M.K.; ZALEM, Z.Ya.

Experimental and clinical studies on ointments containing
tetracycline. Antibiotiki 10 no.5:472-475 My '65.

(MIRA 18:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov,
Moskovskiy oblastnoy nauchno-issledovatel'skiy klinicheskiy
institut imeni Vladimirskogo i Institut vrachebnoy kosmetiki,
Moskva.

DERKACH, G.I.; GUBNITSKAYA, Ye.S.; SHOKOL, V.A.; KISILENKO, A.A.

Infrared spectra of trichlorophosphazoaclys and their derivatives.
Zhur.ob.khim. 34 no.1:82-88 Ja '64. (MIRA 17:3)

1. Institut organicheskoy khimii AN UkrSSR.

QUEINOV, B.P.; ZORE, V.A.; IL'INA, A.A.; SHABAD, L.M.

Content of polycyclic aromatic hydrocarbons in air pollution and in smoke. Gig. sanit., Moskva no. 2:10-16 Feb 1953. (GIML 24:2)

**1. Of the Scientific-Research Sanitary Institute imeni F. F. Kri-
man and of the Laboratory of Oncology of the Institute of Normal and
Pathological Morphology of the Academy of Medical Sciences USSR.**

SERGIYENKO, A.I., inzh.; LIKHORADOV, A.P., inzh.; GUBINSKIY, V.I.,
inzh.; BABANIN, A.I., inzh.

Operation of recuperator soaking pits with liquid slag re-
moval. Stal' 20 no.8:763 Ag '60. (MIRA 13:7)

1. Zavod"Krivoroshstal'."
(Furnaces, Heating)

CHEKMAREV, A.P., akademik; TAYTS, N.Yu., prof., doktor tekhn.nauk;
GALATOV, N.S., inzh.; GETMANETS, V.V., inzh.; SINITSA, I.I., inzh.;
MINAYEV, A.N., kand.tekhn.nauk; GUBINSKIY, V.I., inzh.; GONCHAROV,
Yu.V., inzh.

Reduction of scale formation on continuous wire rod rolling mills.
Stal' 22 no.4:327-330 Ap '62. (MIRA 15:5)

1. Dnepropetrovskiy metallurgicheskiy institut i Krivorozhskiy
metallurgicheskiy zavod.
(Rolling (Metalwork)) (Wire--Corrosion)

S/170/62/000/006/004/011
B117/B138

AUTHORS: Tayts, N. Yu., Gubinskiy, V. I.

TITLE: Calculation of scale formation during heating and cooling of metal

PERIODICAL: Inzhenerno-fizicheskiy zhurnal, no. 6, 1962, 32 - 37

TEXT: The authors suggest a method for calculating the formation of scale on metal surfaces to determine the optimum cooling conditions for wire rod after rolling. The method is based on the idea of scale formation owing to diffusion. From Fick's law, a differential equation was found to describe the rules of scale formation as a function of time: $dw/d\tau = D'/w$ (1), where $D' = D(C_{\text{surf}}/\alpha)$ is the rate constant of scale formation proportional to the diffusion coefficient (C_{surf} is the oxygen concentration at the oxide-gas boundary; α is the proportionality factor; w is the oxygen diffused). An analysis of this equation showed that the scale formation was proportional to the square root of the time of cooling and heating in the same temperature range, similar to the case of isothermal oxidation.

Card 1/2

Calculation of scale formation ...

S/170/62/000/006/004/011
B117/B138

After integration, dimensionless dependences were constructed suitable for calculating the scale formation during heating and cooling of metal in a medium of constant temperature. Calculations by this method were confirmed by experiments. The effect of the initial temperature and the cooling rate on the amount of scale was determined, and optimum cooling conditions were found, which reduce the waste of metal in scale considerably. There are 3 figures.

ASSOCIATION: Metallurgicheskiy institut, g. Dnepropetrovsk (Metallurgical Institute, Dnepropetrovsk)

SUBMITTED: September 6, 1961

Card 2/2

TAYTS, N.Yu.; GUBINSKIY, V.I.; GETMANETS, V.V.

Temperature conditions of metal rolling on continuous small
shape and wire rod mills. Izv. vys. ucheb. zav.; Chern. met.
7 no. 7:147-152 '64 (MIRA 17:8)

1. Dnepropetrovskiy metallurgicheskiy institut.

ТАТНА. Н.Ур.; САБЕЛ'НИКОВ, А.Г.; ГУБИНСКИЙ, В.И.

Determining metal temperature during the deformation process.
Izv. vys. ucheb. zav.; chern. met. S no.2:156-160 '65.

(MIRA 18:2)

1. Dnepropetrovskiy metallurgicheskiy institut.

L 55540-65

ACCESSION NR: AP5016786

UR/0286/65/000/010/0119/0119
629.113-585.2

10
B

AUTHOR: Lefarov, A. Kh.; Sheinker, I. G.; Girko, M. D.; Gubitskiy, A. A.

TITLE: A transmission. Class 63, No. 171278

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 10, 1965, 119

TOPIC TAGS: transmission, engine equipment, clutch

ABSTRACT: This Author's Certificate introduces: 1. A transmission designed principally for trucks and caterpillar tractors. Provision is made for shifting gears without interrupting the power flow by using multidisc friction clutches mounted on rotating shafts. The unit contains an input shaft, two coaxial output shafts which are joined by a differential and are parallel to the input shaft, and intermediate shafts, one coaxial with the input shaft and one with the output shaft. The transmission has relatively small overall dimensions. The first intermediate shaft, which is not coaxial with the input shaft, is hollow and encircles one of the output shafts, which passes through it. This intermediate shaft has a multidisc friction clutch mounted on it. The driven elements of this clutch are connected to the dif-

Card 1/3

L 56540-65

ACCESSION NR: AP5016786

ferential housing, while the drive elements are connected to the first intermediate shaft. The differential housing is connected through continuously engaged gears to the intermediate shaft which is coaxial with the input shaft. These gears are engaged by the multidisc friction clutch mounted on the intermediate shaft. 2. A modification of this transmission with reduced axial dimensions. The multidisc friction clutch mounted on the intermediate shaft which is coaxial with the input shaft is a double clutch in the form of two separate multidisc friction clutches. The clutch housings are connected to the drive elements, and the common hub for the clutches, which is connected to the driven elements, has a gear which is rigidly connected to the differential housing.

ASSOCIATION: none

SUBMITTED: 00Feb63

ENCL: 01

SUB CODE: PR

NO REF SOV: 000

OTHER: 000

Card 2/3

L 56540-65

ACCESSION NR: AP5016786

ENCLOSURE: 01

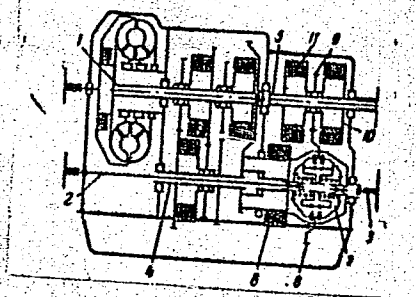


Fig. 1. 1--input shaft; 2 and 3--output shaft; 4 and 5--intermediate shaft; 6--multidisc friction clutch; 7--differential housing; 8 and 9--constantly engaged gears; 10 and 11--multidisc friction clutch housings

Card 3/3

GUBITSYN, N.M., otv. red.; ARTOMASOV, A.D., otv. red.;

[Provisional regulations on safety engineering and industrial hygiene for explosion- and fire-hazardous chemical industries] Vremennye pravila tekhniki bezopasnosti i promsanitarii dlia vzryvo- i ogneopasnykh khimicheskikh proizvodstv. Moskva, Izd-vo "Nedra," 1964. 79 p. (MIRA 17:9)

1. Russia (1917- R.S.F.S.R.) Gosudarstvennyy komitet po nadzoru za bezopasnym vedeniem rabot v promyshlennosti i gornomu nadzoru.

S/112/59/000/012/019/097
AO52/A001

Translation from: Referativnyy zhurnal, Elektrotehnika, 1959, No. 12, p. 19,
24046

AUTHOR: Gubiyev, K.A.

TITLE: Cable Plant in Perm'

PERIODICAL: Prom.-ekon. byul. Sovnarkhoz Permsk. ekon. adm. r-na, 1958, No. 2-3,
pp. 21-22

TEXT: The plant now under construction on the bank of the Kama will be the greatest enterprise of the Perm' economic region. Its yearly output will be estimated by 1.5 billion rubles. The Plant will have a self-contained technological cycle beginning with the rolling of Cu and Al wire bars and ending with the manufacturing of rubbers for insulation and hose sheathings for cables. The Plant will produce bare cables, wires and cables with rubber insulation, winding and glazed wires, as well as power cables for voltages up to 500 kilovolts. All technological processes will be mechanized and automated. The shop of bare alumi-

Card 1/2

Cable Plant in Perm'

S/112/59/000/012/019/097
A052/A001

num ²⁵cables for overhead transmission lines has started already operations. The rubber-producing, drawing, layup and insulating shops, and the thermal-electric power plant will be put in service in the near future. ✓

A.O.M.

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

Card 2/2

AB'IANIDZE, G. J.; GIB'YEV, K. G.

Use of lacquers and lacquers made from Georgian petroleum for
the production of electric insulation materials. Trudy GPI
(Gruz.) no. 5: 29-38 1961. (MIRA 17:10)

PANTELEYMONOV, L.A.; BIRUM, N.A.; GUBIYEVA, D.N.

Fusion temperature of iron-nickel-palladium alloys. Zhur.
neorg.khim. 5 no.7:1635-1637 J1 '60. (MIRA 13:7)

(Iron-nickel-palladium alloys)

SHISHKA, K.; SHIMKOVITS, I.; GUBKA, M.; SMRECHANSKIY, V.; SHNORRER, M.

Experience acquired in surgery by the use of an artificial heart
and lungs. Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSSR
10:13-23 '62. (MIRA 16:2)

(PERFUSION PUMP (HEART))
(CARDIOVASCULAR SYSTEM—SURGERY)

SHIMKOVITS, I.; BOL'F, Yu.; SHISHKA, K.; GUEKA, M.; SMRECHANSKIY, V.;
SHNORRER, M.; ZIMA, P.

Apparatus fo Czech design for artificial blood circulation.
Trudy Inst.eksp.i klin.khir.i gemat. AN Gruz.SSR 10:25-34
'62. (MIRA 16:2)

(CZECHOSLOVAKIA---PERFUSION PUMP (HEART))

SMRECHANSKIY, V.; SHISHKA, K.; SHIMKOVITS, I.; SHNORRER, M.; GUEKA, M.

Some perfusion problems in artificial blood circulation. Trudy
Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 10:35-42 '62.

(MIRA 16:2)

(PERFUSION PUMP (HEART))

GUBKA, M.; SHISHKA, K.; SHIMKOVITS, I.; SMRECHANSKY, V.; SHNORRER, M.

Protection of the myocardium during the prevalence of asystole
in an intracardiac operation by the use of the apparatus for
artificial blood circulation. Trudy Inst.eksp.i klin.khir. i
gemat. AN Gruz.SSSR 10:57-65 '62. (MIRA 16:2)
(HEART—SURGERY) (BLOOD —CIRCULATION, ARTIFICIAL)

GURKA, M.; SHISHKA, K.; SHIMKOVITS, I.; SMRECHANSKIY, V.; SHNORRER, M.

Care of the patient following a heart operation with the use
of artificial blood circulation. Trudy Inst. eksp. i klin. khir.
i gemat. AN Gruz. SSR 10:67-72 '62. (MIRA 16:2)
(HEART—SURGERY) (BLOOD—CIRCULATION, ARTIFICIAL)
(POSTOPERATIVE CARE)

SHNORER, M.; SHISHKA, K.; SHIMKOVITS, I.; GUEKA, M.; SMRECHANSKIY, V.

Changes in coagulation and anticoagulation factors of the blood
in artificial blood circulation. Trudy Inst. eksp. i klin. khir.
i gemat. AN Gruz. SSR 10:73-76 '62. (MIRA 16:2)
(BLOOD—COAGULATION) (BLOOD—CIRCULATION, ARTIFICIAL)

GUBKA, M.; SHISHKA, K.; SHIMKOVITS, I.; SMRECHANSKIY, V.; SHNORER, M.

Protection of the myocardium in cardiac arrest during intracardiac interventions with artificial circulation. Khirurgia 38 no.5: 17-25 My '62. (MIRA 15:6)

1. Is otdeleniya eksperimental'noy khirurgii (sav. - akad. K. Shishka) Instituta eksperimental'noy meditsiny Slovatskoy akademii nauk.

(HEART, FAILURE) (HEART—MUSCLE)
(BLOOD—CIRCULATION, ARTIFICIAL)

SHNORER, M.; SHISHKA, K.; SHIMKOVITS, I.; GUBKA, M.; SMRECHANSKIY, V.

Changes in the coagulation and anticoagulation blood factors during artificial circulation. *Khirurgiia* 38 no.5:25-27 My '62. (MIRA 15:6)

1. Iz 2-y khirurgicheskoy kliniki meditsinskogo fakul'teta Universiteta imeni Komenskogo v Bratislave i otdeleniya eksperimental'noy khirurgii (zav. - akad. K. Shishka) Instituta eksperimental'noy meditsiny Slovatskoy akademii nauk.

(BLOOD--COAGULATION) (BLOOD--CIRCULATION, ARTIFICIAL)

SHISHKA, K.[Siska, K.]; SHIMKOVITS, I.[Simkovic, I.]; GUBKA, M.[Hubka, M.];
SMRECHANSKIY, V.[Smrecansky, V.]; SHNORER, M.[Snorer, M.]

Surgery for mitral stenosis using artificial circulation.
Khirurgiya no.4:3-6 '62. (MIRA 15:6)

1. Iz 2-y khirurgicheskoy kliniki meditsinskogo fakul'teta
Universiteta imeni Komenskogo i otdeleniya eksperimental'noy
khirurgii Instituta eksperimental'noy meditsiny Slovatskoy
akademii nauk (sav. - akad. K. Shishka), Bratislava.

(MITRAL VALVE—SURGERY)
(BLOOD—CIRCULATION, ARTIFICIAL)

BOLE, Yu. [Bolf, J.]; KUBACEK, L. [Kubacek, L.]; MARTINE, S.;
SHISHKA, K. [Siska, K.]; GUBKA, M. [Rubka, M.]

Experimental methods for the study of fluid flow curves. Eksper.
khir. i anest. no.1:3-11 '65. (MIRA 18:11)

GUBKA, V.

Mechanization of the unloading of mineral materials from freight cars. Avt.dor. 28 no.3:16-17 Mr '65.

(MIRA 18:5)

1. Glavnyy inzh. stroitel'nogo upravleniya No.893 tresta "Krasnodardorstroy".

GUBKIN, A.

Stand for running in and testing air blowers., Ayt. transp..
30 no.10:50 0 '61. (MIRA 14:10)
(Motortrucks -Maintenance and repair)

18.8100
24.7500
1.1210

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114411160, 1482... 2108
2808, 3008, 3108

26693
0/000/61/041/005/008/038
B109/B102

AUTHORS:

Al'tshuler, L. V., Kormer, S. B., Bakanova, A. A., Petrinin, A. P., Funktikov, A. I., Gubkin, A. A.

TITLE:

Irregular conditions of oblique collision of shock waves in solids

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki. v. 41, no. 5(11), 1961, 1382 - 1393

TEXT: On the basis of papers by V. Blikney, A. Taub (Sb. Voprosy raketnoy tekhniki, 1, 1951), L. D. Landau, Ye. M. Lifshits (Mekhanika sploshnykh sred - Mechanics of Continuous Media, Gostekhizdat, 1954), O. S. Ryzhov, S. A. Khristianovich (PMM, 22, 586, 1958), Ya. B. Zel'dovich, Gandel'man, and Ye. A. Feoktistova (DAN SSSR, 136, 1325, 1961) the authors describe a method of producing and recording irregular conditions for the collision of shock waves in solids. The experimental arrangement is shown in Fig. 2a. The detonation waves which enter the specimen at a slant cause shock waves with amplitudes of between 3 and $4 \cdot 10^5$ atm. Another arrangement allowed reaching shock waves of $1 - 1.8 \cdot 10^6$ atm. The parameters of the

Card 1/3

26693
3/056/61/041/005/008/038
B109/B102

Irregular conditions of oblique

three-shock configuration forming as a result of the collision of the shock waves, are given for aluminum, lead, iron, and copper bodies. Near the critical angle at which a shock wave can still arise pressure was found to rise by from 6 to 8 times. When the waves have greater amplitudes, pressure in the collision region rises up to $4 \cdot 10^6$ atm in aluminum. In steel, copper, and lead it may even reach $7 \cdot 10^6$ atm if the waves collide at right angles. The results are analyzed by means of the method of the impact polars. It is shown that the picture with only one tangential discontinuity cannot be employed in describing the irregular conditions of the oblique collision of weak shock waves in the metal. The authors present a method of determining pressure and density behind the reflected wave front from the parameters of the three-shock configuration. Pressure and density for the collision of strong shock waves in aluminum were calculated as examples. It was found that the incident and reflected waves increase the density of aluminum up to 6.12 g/cm^3 . M. P. Speranskaya, N. S. Tenigin (deceased), A. N. Kolesnikova, M. S. Shvetaov, L. N. Gorelova, and M. V. Sinitsyn are thanked for assistance and information. There are 14 figures, 3 tables, and 9 Soviet references.

SUBMITTED: May 18, 1961
Card 2/3

GUBKIN, A. N.

"Dielectric Polarization and Surface Discharge of Some Solid Dielectrics With High Dielectric Permeability." Cand Phys-Math Sci, Moscow City Pedagogical Inst, Moscow, 1954. (KL, No 1, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

GUBKIN, A. N.

537,226.33

62
①

7015. Investigation of the dielectric polarization of organic dipolar crystals. G. I. SKANAVI AND A. N. GUBKIN. *Zh. eksper. teor. Fiz.*, 27, No. 6(12), 742-53 (1954) In Russian.

USSR ↓

The relations between dielectric constant and loss angle of hydrogenized castor oils (oleowaxes), and the frequency, were investigated at the temperatures of 19 and 45°C. The experimental data obtained enabled parameters characterizing the relaxation polarization to be calculated. The distribution function of the relaxation times was also found. The results are discussed on the basis of the theory of absolute reaction rates. A refinement of Debye's theory had to be used considering the fact that the relaxation times of dipolar groups differ according to the strength of the bond (Debye's theory considers only a single relaxation time equal for all groups). The problem of finding the most probable relaxation time from the dispersed experimental values is solved by a graphical method using a particular type of circle diagrams. The dielectric relaxation phenomena are then considered from a thermodynamical (thermochemical) viewpoint, i.e. that of the absolute reaction rates.

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