GUBINSKIY, V.I.; MINAYEV, A.N.; TAYTS, N.Yu.

Investigating the process of wire rod cooling following rolling on a continuous mill. Izv.vys.ucheb.zav.; chern.met. 5 no.11: 128-132 '62. (MIRA 15:12)

1. Dnepropetrovskiy metallurgicheskiy institut.
(Rolling (Metalwork))

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

Some problems of perfusion in artificial circulation. Khirurgiia no.4:85-92 '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 (zav. - akad. K. Shishka), Bratislava.

(BLOOD--CIRCULATION, ARTIFICIAL)

GUBKO, A.T.

Specifically human types of higher nervous activity [with summary in English]. Vop.psikhol. 4 no.3:25-34 My-Je '58 (MIRA 11:8)

1. Kafedra psikhologii Kiyevskogo gosudarstvennogo universiteta.
(THOUGHT AND THINKING)

GUBKO, A.T.(Kiyev)

"Problems of the psychology of personality in counection with the types of higher nervous activity." Edited by V.S. Merlin. Reviewed by A.T.Gubko. Vop.psikhol. 5 no.5:165-169 S-O '59. (MIRA 13:3)

(Typology(Psychology)) (Merlin, V.S.)

GUBKO, A.T. (Kiyev)

"Gregariousness and temperament in students" by A.I.Il'ina. Reviewed by A.T.Gubko. Vop.psikhol. no.6:151-154 N-D '62. (MIRA 16:2)

(Il'ina, A.I.) (Child study)

GUBKO, A.T.

Let's develop zoopsychology. Vop. psikhol. 9 no.5:159-170 S-O '63. (MIRA 17:2)

1. Nauchno-issledovatel'skiy institut psikhologii UkrSSR, Kiyev.

BUDNIKOV, P.P., akademik; GUBKO, I.

Fifth conference on the silicate industry in Hungary. Zhur. VKHO 5 no. 3:331-333 '60. (MIRA 14:2)

1. Akademiya nauk USSR (for Budnikov).
(Hungary--Silicates--Congresses)

KOVALENKO, O.Ya.; VASIL'CHENKO, U.S. [Vasyl'chenko, U.S.]; GUBKO, I.M. [Hubko, I.M.]

Mechanized swine fattening stations serving several collective farms. Mekh. sil'.hosp. 12 no.8:21-24 Ag '61. (MIRA 14:7)

1. Ukrainskiy nauchno-issledovatel'skiy institut mekhanizatsii i elektrifikatsii sel'skogo khozyaystva.
(Swine--Feeding and feeds) (Farm mechanization)

GUBKO, I.T.; SATANOVSKIY, P.L.

Converting chamber kilns from solid to gas fuel. Ogneupory 21 no.6:259-263 '56. (MLRA 9:11)

1. Pervoural'skiy dinasovyy zavod.
(Kilns) (Fuel)

KOZINSKIY, N.F.; GUBKO, I.T.; KULIK, A.I.

High grog content, high density refractories for blast furnace stacks. Ogneupory 22 no.5:205-211 '57. (MLRA 10:6)
(Refractory materials) (Blast furnaces)

GAVRISH, D.I.; GUBKO, I.T.

First Urals dinas brick plant, holder of the Red Banner labor medal, on the eve of the 40th anniversary of the Great October Revolution. Ogneupory 22 no.11:481-483 '57. (MIRA 11:1)
(Ural Mountain region--Refractories industry)

131-1-3/14

AUTHORS: Gubko, I. T., Kozinskiy, N. F., Vanzha, N. S.

TITLE: On the Reinforcement of Fire-Clay Plates (Ob armirovanii shamotnykh plit)

PERIODICAL: Ogneupory, 1958, Nr 1, pp. 39 - 40 (USSR)

ABSTRACT: In order to increase the flexural tensile strength of fire-clay plates, they are reinforced with steel wire. In the case of ordinary reinforcement fissures and cracks form in the fire-clay products. This takes place in the result of the difference of expansion of steel wire and fire clay on heating, as the coefficients of the linear thermal expansion of these two materials are very different from each other. It is possible to avoid this disadvantage by reinforcing the plates with short wires (100 - 150 mm) for in this case the tensions resulting from thermal expansions are uniformly distributed on the surface of the plate and the small fissures occurring exert practically no influence upon the strength of the plates. The scheme of such a reinforcement of plates is represented in the figure. Tests showed that the optimum diameter of the steel wire is 3 mm and that such reinforced fire-clay plates shall be dried and burned in a horizontal position, where piles of 3 - 4 plates with quartz sand strewn between them shall be used

Card 1/2

On the Reinforcement of Fire-Clay Plates 131-1-9/14

for burning. The burning was performed at 1200°C for 2 hours in a regenerating atmosphere, the plates being laid in muffles and covered by coke or charcoal. The consumption of steel only amounts to 4 - 5 % of the weight of the burnt plate. There is 1 figure.

ASSOCIATION: The Pervoural'sk Factory (Pervoural'skiy zavod)
The Polytechnic Institute Kiyev (Kiyevskiy politekhnicheskiy institut)
Chasov-Yarskiy zavod ogneupornykh izdeliy
(The Chasov-Yar Refractory Products Plant)

AVAILABLE: Library of Congress

1. Clay-Reinforcing methods

Card 2/2

GUBKO, I.T., NIKOLAYEV, A.M., ZHAVORONKOV, L.N. RUBTSOVA, L. P.

In response to resolutions of the July Plenum of the Central Committee of the CPSU. Ogneupory 25 no.11:490-491 '60. (MIRA 13:12)

1. Pervoural'skiy dinasovyy zavod.
(Pervoural'sk—Firebrick)

D'YACHKOV, P.N.; PURGIN, A.K.; BOL'SHAKOV, I.P.; GUBKO, I.T.; KOSTOMAROV, N.I.; SIZOV, I.D.

Refractory Dinas material. Ogneupory 26 no.9:394-398 '61. (MIRA 14:9)

1. Vostochnyy institut ogneuporov (for D'yachkov, Purgin, Bol'shakov). 2. Pervouralskiy dinasovyy zavod (for Gubko, Kostomarov, Sizov).

(Refractory concrete)

BUDNIKOV, P.P.; GUBKO, I.T.

Effect of chromite feeding on the properties of dinas; dinas-chromite refractory material. Epitoanyag 14 no.3:87-89 Mr '62.

GUBKO, I.T.; SIZOV, I.D.; KOSTOMAROV, M.I.; KHITKO, Ye.V.

Mixing dinas raw materials in model II5 centrifugal pug mills. Ogneupory 28 no.6:245-249 '63. (MIRA 16:6)

1. Pervoural'skiy dinasovyy zavod.
(Refractory materials)
(Mixing machinery)

GUBKO, I.T.; SI OV, I.D.; KOSTOMA..., ...I.; [illegible]

Dust removal during the manufacture of dinas brick and making use of the trapped dust. Ogneupory 29 no.9:385-387 '64. (MIRA 17:10)

1. Porvoural'skiy dinasovyy zavod.

GUBA, ... [illegible], V.N.; [illegible], S.A.

Experiments in jet piercing for the quarrying of quartzite. Gornyy zhur. no.8:16-19 '65. (MIRA 18:8)

1. Pervoural'skiy dinasovyy zavod.

L 12682-63

ACCESSION NR: AP3000652 EPR/EWP(j)/ S/0080/63/036/003/0694/0696

BPF(c)/EWT(m)/BDS AFFTC/ASD Ps-4/Pc-4/Pr-4 RM/MAY

AUTHOR: Tsubina, Kh. V.; Al'shits, I. M.; Grad, N. M.; Gubko, N. V. 72

TITLE: Unsaturated polyester resins on a base of propylene glycol

SOURCE: Zhurnal prikladnoy khimii, v. 36, no. 3, 1963, 694-696

TOPIC TAGS: unsaturated polyester resins, propylene glycol, -H, -CH sub 3, ethylene glycol

ABSTRACT: The work was conducted to verify the statement by Bjorksten (Polyesters and their applications, New York, 1956) that the replacement of -H by -CH sub 3 in the Beta-position with respect to the carboxy. -O increases thermal stability of the polyester. Polyesters of various degrees of unsaturation were prepared from polyesterized propylene glycol - 1.2 and varying amounts of ethylene glycol, maleic anhydride, phthalic anhydride and adipic acid, reacting at 160° for 3 hours, one hour each at 170, 180, and 190, and 3 more hours at 200. The reaction was terminated at an acid number of 30-25. The physical-mechanical properties of the polyesters mixed with 30% styrene and hardened with 3% isopropyl benzoyl hydrogen peroxide and 8% accelerator NK. are tabulated; resins synthesized with increased quantities of maleic anhydride have a higher heat stability. Fiberglass strength changed little from 20 to 60°, from samples made of glass cloth ASTT(b)-S sub 2-0

Card 1/2

L 12682-63
ACCESSION NR: AP3000652

treated with hydrophobic adhesive and bonded with an equal amount of a heat-stable resin. Orig. art. has: 4 tables.

ASSOCIATION: none

SUBMITTED: 17Jan62 DATE ACQ: 12Jun63 ENCL: 00

SUB CODE: CH NO REF SOV: 002 OTHER: 007

Card 2/2

GUBKO, O. [Hubko, O.]

Animals as "barometers." Znan. ta pratsia no. 12:13 D '60.
(MIRA 14:4)

(Animals, Habits and behavior of)

GUBKO, O. [Hubko, O.]

A man walks at night. Znan. ta pratsia no.5:15 My '60. (MIRA 13:10)

(Somnabulism)

GUBKO, O.T. [Hubko, O.T.]

Specifically human types of higher nervous activity. Nauk. zap. Nauk.-dosl. inst. psykhol. 11:264-267 '59. (MIRA 13:11)

1. Gosudarstvennyy universitet im. T.G.Shevchenko, Kiyev.
(Nervous system) (Association of ideas)

GUBKO, V.G. [Hubko, V.H.], inzh.-mekhanik

Restoration of the straining capacity of filters and maintenance of the lubrication system. Mekh. sil'. hosp. 10 no.3:27-28 Mr '59. (MIRA 12:6)

(Tractors--Engines--Oil filters) (Tractors--Lubrication)

GUBKO, V.R., Cand Tech Sci — (diss) "Study of the tractor engine lubrication system to the purpose of improving its operational indicators."

Kiev, 1959. 16 pp with graphs (Min of Agr UkSSR. Ukrainian Academy of Agr Sci). 150 copies (KL,37-59, 108)

35

GUBKO, V.R. [Hubko, V.R.]

How to prevent the seizing of piston rings in diesel engines.
Mekh.sil'.hosp. 8 no.9:3 of cover S '59. (MIRA 13:1)
(Piston rings)

GUBKO, V.R. [Hubko, V.R.], inzh.-mekhanik

Repair and regulation of the lubrication system of D-54 engines. Mekh.sil'.hosp. 11 no.1:17-19 Ja '60. (MIRA 13:4)
(Diesel engines) (Lubrication and lubricants)

GITALOV, Aleksandr Vasil'yevich, Geroy Sotsialisticheskogo Truda; VESNA, Nikolay Mitrofanovich; GUBKO, Vasiliy Romanovich; PASHEDKO, L.T., nauchnyy red.; KUDRYAVTSEV, N.Ye., nauchnyy red; SHALYT, N.A., red.; PERSON, M.N., tekhn. red.; TOKER, A.M., tekhn. red.

[Over-all mechanization of growing and harvesting farm crops] Kompleksnaia mekhanizatsiia vozdelyvaniia i uborki sel'skokhoziaistvennykh kul'tur. Moskva, Proftekhizdat, 1962. 271 p. (MIRA 16:2)

(Agricultural machinery)

VESNA, Nikolay Mitrofanovich; GUBKO, Vasiliy Romanovich [Hubko, V.R.]; SINEGUB, S.I.[Syn'ohub, S.I.], red.

[Storage of machines on collective and state farms] Zberihannia mashyn v kolhospakh i radhospakh. Kyiv, Derzhsil'hospvydav URSR, 1963. 55 p. (MIRA 17:4)

L 36349-66 EWT(m)/EWP(j)/T IJP(c) RM/WW
ACC NR: AP6017581 (A) SOURCE CODE: UR/0377/65/000/006/0019/0024

AUTHOR: Alikhodzhayeva, M. A.; Gudkov, L. V.; Sheklein, A. V.

ORG: State Scientific Research Power Engineering Institute im. G. M. Krzhizhanovskiy (Gosudarstvennyy n.-i. energeticheskiy institut)

TITLE: Concerning selective coating of receivers for radiant energy from the sun

SOURCE: Geliotekhnika, no. y, 1965, 19-24

TOPIC TAGS: solar furnace, solar power plant, paint, solar radiation absorption/ KhS 77 enamel, DM nitro dye chemical

ABSTRACT: The purpose of the investigation was to find a more universal paint for solar radiation receivers, such as would absorb the incident radiation in the spectral range which produces low effective heating and would have a minimum emission in the region of the intrinsic thermal radiation of the receiver. Tests made on various Soviet enamels found that the most satisfactory results were obtained with the natural-drying enamel KhS-77, which is a solution of the copolymer of vinyl chloride and vinyl-diene chloride mixed with volatile organic solvents, pigment, and filler. The coefficient of absorption and the degree of blackness of this enamel are compared with the nitro dye DM and the advantages of the former are demonstrated. A procedure for coating the solar radiation receiver with this enamel and calculating the heat loss in a water boiler treated with this enamel are presented. Plots of the heat loss of such a boiler with variation of temperature are presented. Orig. art. has: 3 figures, 3 formulas, and 2 tables.

SUB CODE: 03,13/ SUBM DATE: 27Sep65/ ORIG REF: 004

Card 1/1

GUBKOV, Vladimir Vladimirovich; MALAKHOV, Konstantin Nikolayevich; DERIBAS, A.T., inzh., retsenzent; KATOLICHENKO, V.A., inzh., retsenzent; TSARENKO, A.P., inzh., red.; VOROTNIKOVA, L.F., tekhn. red.

[Mechanization of loading and unloading operations on foreign railroads] Mekhanizatsiia pogruzochno-razgruzochnykh rabot na zarubezhnykh zheleznykh dorogakh. Moskva, Transzheldorizdat, 1963. 227 p. (MIRA 16:4)
(Materials handling--Equipment and supplies)
(Automation) (Railroads--Freight)

GUREVICH, A.G.; GUBLER, I. Ye.

Ferromagnetic resonance in yttrium ferrite single crystals. Fiz. tver.tela 1 no.12:1847-1850 D '59. (MIRA 13:5)

1. Institut poluprovodnikov AN SSSR, Leningrad.
(Yttrium ferrate--Magnetic properties)

GUREVICH, A.G.; GUBLER, I. Ye.; SAFANT'YEVSKIY, A.P.

Superhigh-frequency properties of yttrium and lutetium ferrites with structures of the garnet type. Fiz.tver.tela 1 no.12: 1862-1865 D '59. (MIRA 13:5)

1. Institut poluprovodnikov AN SSSR, Leningrad.
(Yttrium ferrate) (Lutetium ferrate)

85366

9,4300 (1043, 1138, 1143)

S/120/60/000/005/047/051
E073/E335

AUTHOR: Gubler, I.Ye.

TITLE: Manufacture of Ferrite Spheres of Small Diameter

PERIODICAL: Pribory i tekhnika eksperimenta, 1960, No. 5, pp. 145 - 146

TEXT: A variant is described of a device for producing spheres of small dimensions - see the sketch, Fig. 1. The air compressed to 1 - 2 atm is fed through 4 small holes which lead tangentially into a hollow space formed by two abrasive rings; the face of the division facets are cut at an angle of 45° at that the surface of contact between the specimens to be worked and the abrasive is a cone with an angle of 90°. From the top the cavity is covered by a lid with 4 small holes for the air outflow, which are covered with a thin metallic netting; the lid is screwed down in the centre by means of a nut. The abrasives used in the equipment were produced by Telezhkina of VNIIASh. The abrasive dimenions are as follows: external diameter 40 to 45 mm; internal diameter 18 mm; height 8 mm. The best results were obtained with a green carborundum of various grain sizes and maximum hardness. First, an abrasive

Card 1/2

GUBLER, I. Ye.

SOV/4893

PHASE I BOOK EXPLOITATION

Vsesoyuznoye soveshchaniye po fizike, fiziko-khimicheskim svoystvam ferritov i fizicheskim osnovam ikh primeneniya. 3d, Minsk, 1959

Doklady (Reports)

Ferrity; fizicheskiye i fiziko-khimicheskiye svoystva. Properties.

(Ferrites; Physical and Physicochemical Properties. Errata slip inserted.

Minsk, Izd-vo AN BSSR, 1960. 655 p.

4,000 copies printed.

Sponsoring Agencies: Nauchnyy sovet po magnetizmu AN SSSR. Otdel fiziki tverdogo tela i poluprovodnikov AN BSSR.

Editorial Board: Resp. Ed.: N. N. Sirota, Academician of the Academy of Sciences BSSR; K. P. Belov, Professor; Ye. I. Kondorskiy, Professor; V. V. Tolenin; Professor; R. Ye. Candidate of Physical and Mathematical Sciences; K. M. Polivanov; Professor; N. N. Smolyarenko; and Professor; G. A. Smolenskiy; Professor; E. M. Smolyarevskiy; Technical Ed. of Publishing House: S. Knolyavskiy; Tech. Ed.: A. I. Volokhanovich.

PURPOSE: This book is intended for physicists, physical chemists, electronics engineers, personnel engaged in radio electron and technical personnel. It may also be used by students in advanced courses in radio electronics, the production and use of ferromagnetic materials.

COVERAGE: The book contains reports presented at the Third All-Union Conference on Ferrites held in Minsk, Belorussian SSR. The reports deal properties of ferrites in the chemical and physicochemical analysis of ferrites, studies of the chemical and physical galvanomagnetic crystals, problems of ferrites having of ferrite single of ferrites, multicomponent ferrite systems rectangular hysteresis loops and multicomponent ferrite systems exhibiting spontaneous rectangularity, magnetic spectroscopy; attraction, highly coercive ferrites, physical principles of ferromagnetic resonance, magneto-optics, circuits, anisotropy of using ferrite components in electrical circuits on Microwave ferrite components in electrical circuits, etc. The Committee on Magnetism, AS USSR (S. V. Vonsovskiy, Chairman) organized the conference. References accompany individual articles.

SOV/4893

Ferrites (Cont.)

Card 16/18

Card 1/18

89271

S/181/61/003/001/003/042
B102/B212

24.7906 (1147, 1158, 1160)

AUTHORS: Gurevich, A. G., Gubler, I. Ye., and Titova, A. G.

TITLE: Temperature dependence of the width of the resonance curve, and relaxation processes in ferrite single crystals

PERIODICAL: Fizika tverdogo tela, v. 3, no. 1, 1961, 19-31

TEXT: One of the most suited methods for studying relaxation processes in ferromagnetic materials is based on the analysis of the temperature dependence of the width ($2\Delta H$) of ferromagnetic resonance absorption curves in ferrite single crystals. This paper reports on such measurements. Spherical yttrium-ferrite single crystals with a garnet structure, and manganese and magnesium-manganese ferrites with a spinel structure served as specimens; the measurements were made in the range from -196°C to the Curie point of these ferrites. The growing of the single crystals is described briefly. A standard method has been used to determine $2\Delta H$ at 9100 Mc. Altogether 6 specimens have been investigated, and their characteristics are given in a table. Fig. 2 shows $2\Delta H$ as a function of temperature for these 6 specimens; Fig. 3 shows $\lambda''_{res}(T)$ for specimen no. 1

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89271
S/181/61/003/001/003/042
B102/B212

Temperature dependence of the...

(λ''_{res} denotes the imaginary part of the diagonal component of the "external" susceptibility tensor at the point of ferromagnetic resonance). $2\Delta H$ is determined in ferrite single crystals by the following processes: Interaction of homogeneous precession with spin waves; relaxation processes, in which magnetic impurity ions with a strong frequency spin-lattice relaxation take part; excitation of spin waves (with $k \sim 10^5$-10^6 cm^{-1}) as a result of scattering of a homogeneous precession from microscopic magnetic fluctuations which are caused by a random distribution of magnetic ions among the lattice sites; a widening of the resonance curve, caused by the roughness of the specimen's surface; and incoherent relaxation processes due to thermal fluctuations of the magnetic moment. The latter effect entails a rapid increase of $2\Delta H$ when approaching the Curie point. When analyzing the $2\Delta H = f(T)$ curves, it is assumed that n processes that influence $2\Delta H$ are additive: $2\Delta H = \sum_n (2\Delta H)_n$. A detailed discussion is then given of the effect of the roughness of the specimen; of fluctuations near the Curie point; of rare-earth impurities; and of impurities and magnetic disorder in spinels. The results of the investigation lead to following conclusions: 1) The component of $2\Delta H$, due to the roughness of the specimen,

Card 2/7

Temperature dependence of the...

is approximately proportional to the magnetization; the factor of proportionality is not a function of the ferrite composition. 2) The relaxation frequency of rare-earth impurity ions in Y-ferrite grows from $2 \cdot 10^{12}$ to $6 \cdot 10^{13}$ when heating the specimen from -196° to +200°C; at room temperature it has a value of $3 \cdot 10^{13}$. 3) The relaxation mechanism characteristic of spinel-type ferrites leads to a $2\Delta H$ component of several oersteds caused by a spin-wave excitation; therefore it is possible to measure resonance curve widths of less than 10 oersteds in single crystals of such ferrites. 4) The $2\Delta H$ component caused by thermal fluctuations of magnetization increases in proportion to $(T_C - T)^{-1/2}$ when approaching the Curie point. 5) Due to the fact that the latter component grows with increasing temperature, while the components caused by impurity ions and by the roughness of the specimen decrease, all $2\Delta H = f(T)$ curves have a minimum above room temperature. Position and distinctness of this minimum is a function of the values and temperature dependence of these components. Increasing roughness, e.g., brings about a shift of this minimum to higher temperatures. The authors thank Professor G. A. Smolenskiy for discussions; F. M. Samigullin participated in measurements. N. N. Parfenova and Ya. I. Shtreys of NII

Card 3/7

89271

S/181/61/003/001/003/042
B102/B212

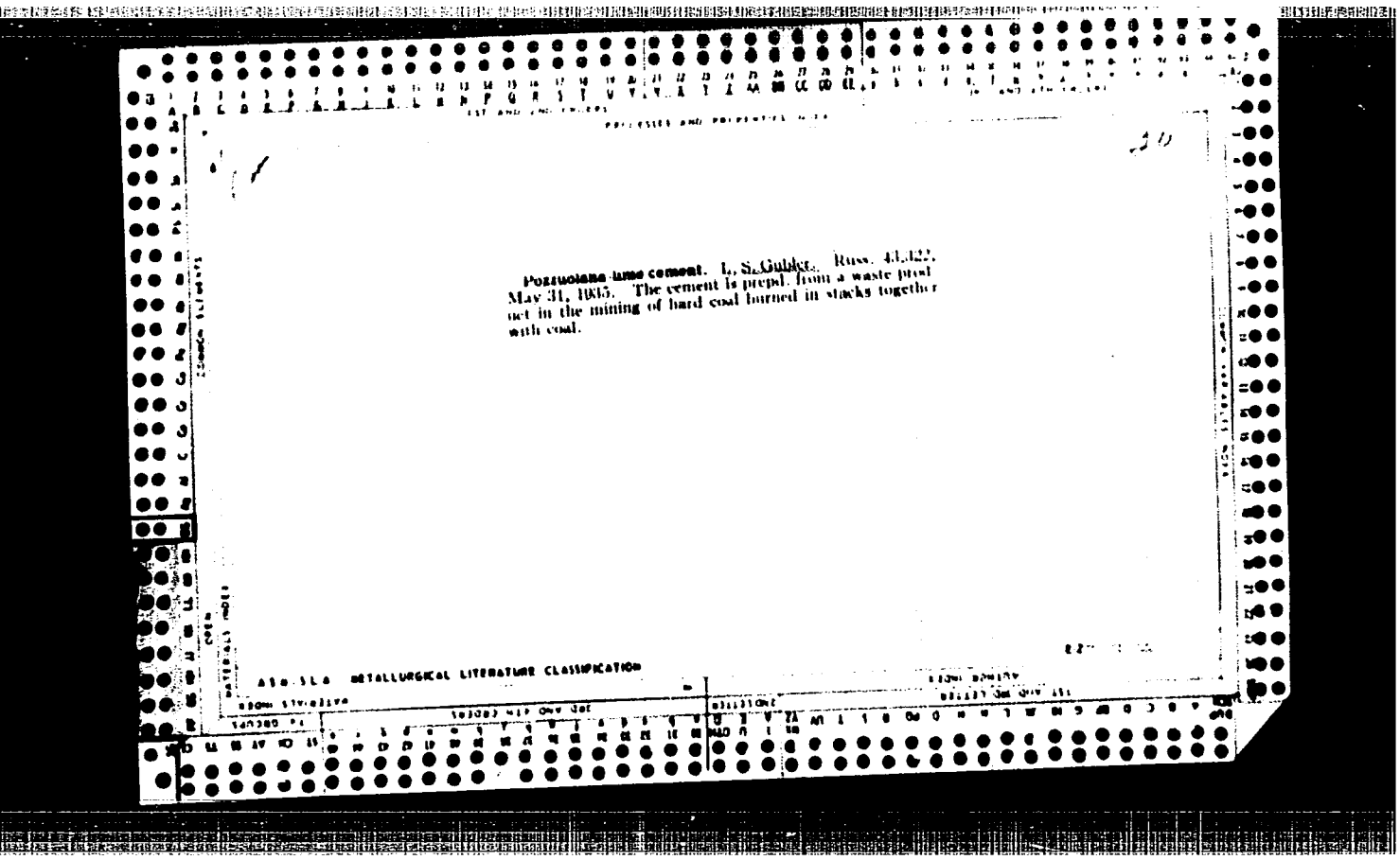
Temperature dependence of the...

tokov vysokoy chastoty im. V. Vologdina (Scientific Research Institute of High-frequency Currents imeni V. Vologdin), and E. Ye. Telezhkina and M. A. Zaytseva of VNII abrazivov i shlifovaniya (All-Union Scientific Research Institute of Abrasives and Grinding) are mentioned. There are 8 figures, 1 table, and 19 references: 7 Soviet-bloc and 12 non-Soviet-bloc.

ASSOCIATION: Institut poluprovodnikov AN SSSR Leningrad (Institute of Semiconductors, AS USSR, Leningrad)

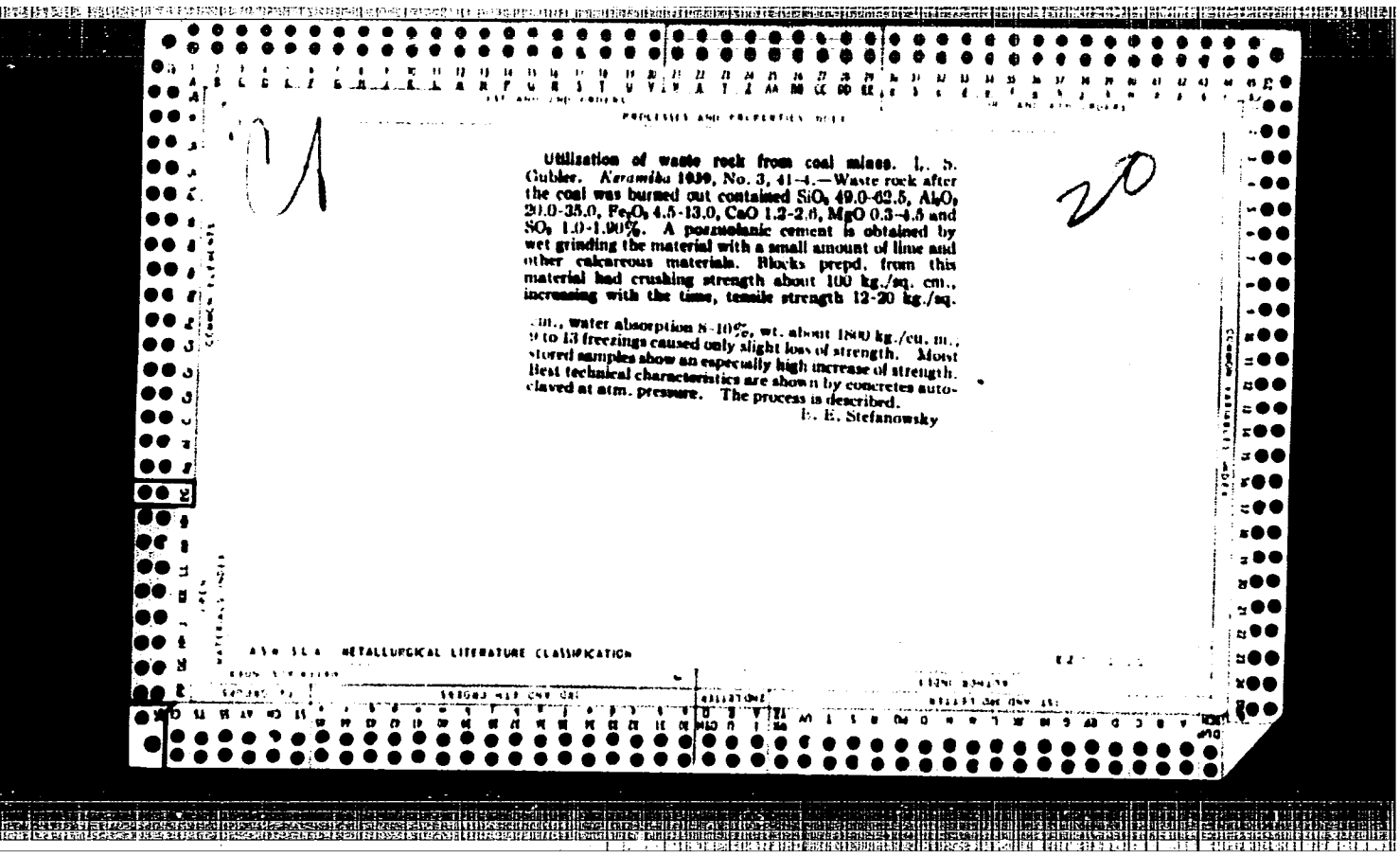
SUBMITTED: June 17, 1960

Card 4/7



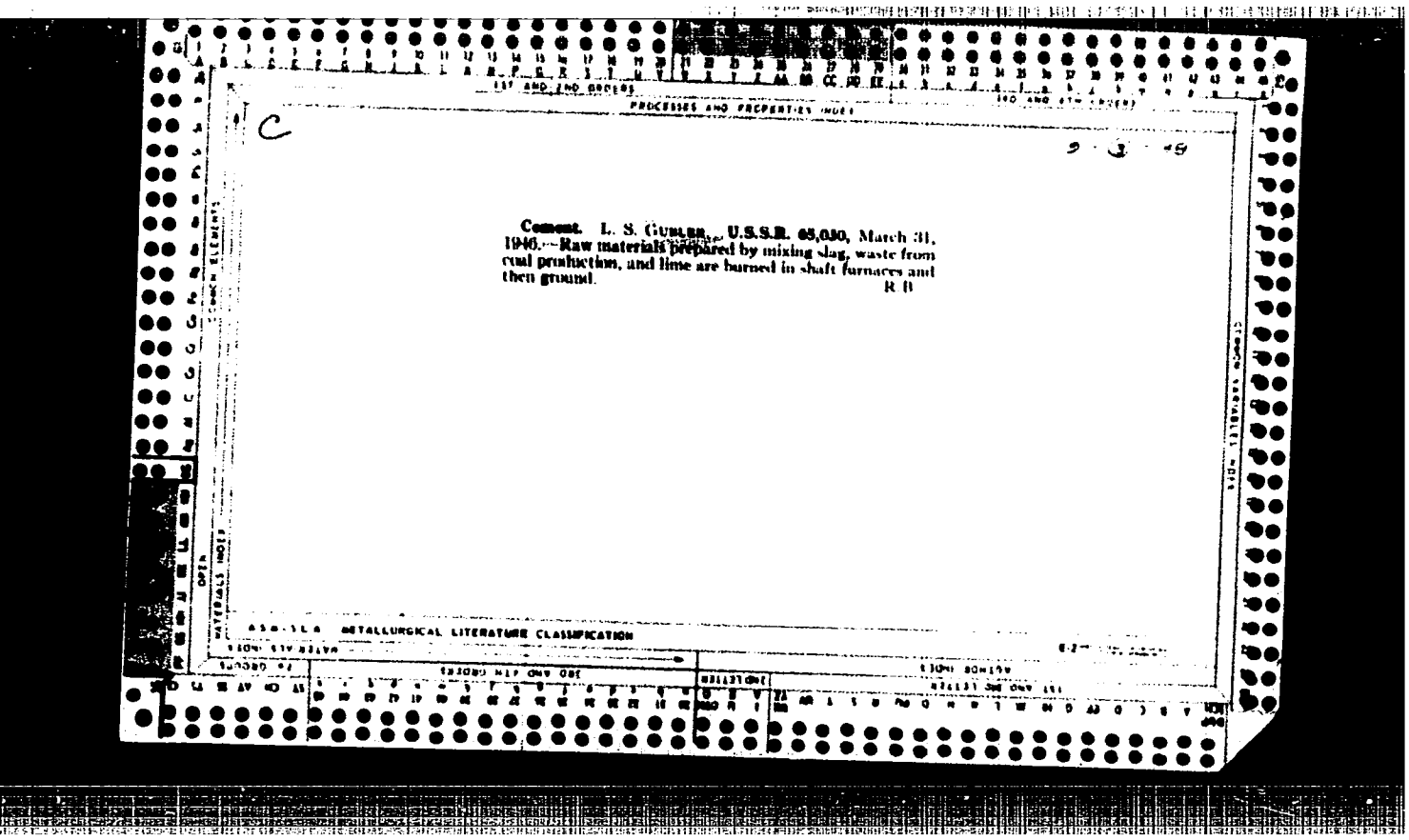
Pozzuolana lime cement. L. S. Gulkel. Russ. 41,122, May 31, 1935. The cement is prepd. from a waste prod uct in the mining of hard coal burned in stacks together with coal.

A10-5L6 METALLURGICAL LITERATURE CLASSIFICATION



Utilization of waste rock from coal mines. L. S. Gubler. *Keramika* **1939**, No. 3, 41–4.—Waste rock after the coal was burned out contained SiO_2 49.0–62.5, Al_2O_3 20.0–35.0, Fe_2O_3 4.5–13.0, CaO 1.2–2.6, MgO 0.3–4.5 and SO_3 1.0–1.90%. A pozzolanic cement is obtained by wet grinding the material with a small amount of lime and other calcareous materials. Blocks prepd. from this material had crushing strength about 100 kg./sq. cm., increasing with the time, tensile strength 12–20 kg./sq. cm., water absorption 8–10%, wt. about 1800 kg./cu. m., 9 to 13 freezings caused only slight loss of strength. Most stored samples show an especially high increase of strength. Best technical characteristics are shown by concretes autoclaved at atm. pressure. The process is described.

E. E. Stefanowsky



Cement. L. S. Gumen, U.S.S.R. 65,030, March 31, 1946.—Raw materials prepared by mixing slag, waste from coal production, and lime are burned in shaft furnaces and then ground.
R B

GUBLER, L. S. Cand. Tech. Sci.

Dissertation: "Rational Methods for Obtaining Air-Entraining Concrete from Various Types of Local Raw Materials." Central Sci Res Inst of Industrial Structures - "TsNIPS" 10 Jun 47.

SO: Vechernyaya Moskva, Jun, 1947 (Project #17836)

GUBLER, Ye.V.

DANILOV, M.K.; ZOR'KIN, A.A.; GUBLER, Ye.V.; KULAGIN, V.K.

Ioakim Romanovich Petrov; 60th birthday. Arkh.pat. 16 no.1:92-93 Ja-Mr '54. (MLRA 7:5)
(Petrov, Ioakim Romanovich, 1893-)

GUBLER, Ye.V

35072. GUBLER, E. V. O teploregulîâtsii pri kislorodnom golodanii; vliîânie obshchego okhlazhdeniîâ na techenie kislorodnogo golodaniîâ u koshek. (Biûlleten' èksperimental'noĭ biologii i meditsiny. Feb. 1954. v. 37, no. 2, p. 34–40, illus. tables) 4 refs. Text in Russian.

Title tr.: On thermoregulation during oxygen hunger; the influence of general hypothermia on the course of oxygen hunger in cats.

Contains an account of observations on cats submitted to simulated altitudes up to 15 km. and to lower environmental temperature, with their fur dry or moistened. Body temperatures during and after the experiments, survival at various "altitudes" and with slow or rapid cooling, recovery, etc. were studied.

Copy seen: DLC.

S.M. Kirov Military Med Acad.

GUBLER, Ye.V.

Endotracheal anesthesia with oxygen in experimental animals.
Fiziol. zhur. 40 no.6:737-740 N-D '54. (MLRA 8:2)

1. Kafedra patologicheskoy fiziologii Voyenno-meditsinskoy ordena Lenina akademii im. S.M.Kirova.
(ANESTHESIA, ENDOTRACHEAL,
exper., with oxygen)
(OXYGEN,
in endotracheal anesth.)

GUBLER, YE.V

Summaries of papers presented at the XXVI Congress of Surgeons of the USSR, Moscow, 20 - 27 January 1955, included:

Excluding the Heart from Blood Circulation during a General Cooling of the Body in an Experiment.

I.V. BURAKOVSKY and E. V. GUBLER

SOURCE: [redacted]-A-46013 (Official Publication) Unclassified.

GUBLER, Ye. V.

4995. Different types of cardiac arrest in asphyxia. (Experimental investigation). E. V. Gubler *Vestn. Khir.*, 1955, No. 6, 66--70; *Referat. Zh. Biol.*, 1956, Abstr. No. 50748.—In dogs with asphyxia produced by occlusion of the upper respiratory passages 3 types of cardiac arrest are observed. The sign of reflex vagal cardiac arrest is preliminary sharp slowing of cardiac contractions and disappearance of activity in the e.c.g.; this arrest is temporary and passes off with the usual measures for resuscitation. The sign of cardiac arrest due to acute weakness of the cardiac muscle is gradual diminution of the amplitude of contraction, a relative lack of change in frequency, and maintenance of electrical activity; the usual measures of treatment are normally effective. Fibrillation of the ventricles has a characteristic e.c.g.; recovery of cardiac activity can only be brought about by use of defibrillation apparatus or i.a. or intra-cardiac injection of 0·1 to 0·2 g. KCl. (Russian)

D. M. Saivan

GUBLER, E.V.

6546. Complications arising from the exclusion of the heart from the circulation in hypothermia, and their treatment. V. I. Burkovskii, E. V. Gubler, and G. A. Akimov *Khirurgiya* [Surgery], 1955, No. 1, 14—22; *Referat. Zh. Biol.*, 1956, Abstr. No. 61776.—The body temp. of the dog was lowered to 26—28°. By compression of the superior and inferior venal cavae, the heart was cut out from the circulation for a period of up to 26 min. Arterial pressure fell to 10—20 mm. Hg. Venous pressure was equal to, or even above, the arterial. The frequency of heart beat fell to 30—32/min. E.c.g. showed a deep interference with the coronary circulation. In 11 cases out of 38, ventricular fibrillation occurred—in 3 cases twice. In 6 cases this was brought on by adrenaline or ephedrine injection. In 9 cases the fibrillation could be stopped by a defibrillator or i.v. injection or intracardiac injection of 1—5% KCl soln. The most difficult effect to combat was the acute weakness of the myocardium, arising usually after removal of the clamps from the veins. Restoration of heart function was achieved in only 2 cases out of 9. The most effective methods seemed to be heart massage combined with artificial respiration of O_2 and injection of arterialised blood. Often haemorrhage from the small blood vessels due to reduced clotting power of the blood was serious. The cause of death of the animals was a form of shock that lasted some hours after removal of the clamps; the blood pressure never rose above 40—50 mm. Hg. A system of measures for overcoming these complications is set forth. (Russian)

T. R. PARSONS

GUBLER, E.V.

EXCERPTA MEDICA Sec.2 Vol.9/11 Physiology,etc. Nov56

5294. GUBLER E.V. Chair of Pathol. Physiol., Milit. Med. Acad., S.M. Korov. Leningrad. *Anesthesia with cooling in animals FIZIOL. Z. 1955, 41/6 (837-840) Tables 1 Illus. 1 (Russian text)

The cooling of dogs by means of ice packs was accelerated by ether anaesthesia, ether plus oxygen and ether plus oxygen and morphine in increasing degree, in the above order. The mortality rate of rats after occlusion of both carotid arteries during cold anaesthesia was 50%, as compared to 100% in control rats, at normal temperature. Simonson - Minneapolis, Minn.

LIBOV, S.L.' professor; BURAKOVSKIY, V.I., kandidat meditsinskikh nauk; GUBLER, Ye.V., dotsent; AKIMOV, G.A., kandidat meditsinskikh nauk; SHIRYAYEVA, K.F.

Hypothermia in cardiac surgery. Vest.khir. 76 no.7:24-35 Ag '55. (MLRA 8:10)

1. Iz 2-y fakul'tetskoy khirurgicheskoy kliniki (nach.-prof. P.A. Kupriyanov), kafedra patologicheskoy fiziologii (nach.-prof. I.P.Petrov), nervnykh bolezney (nach.-prof. S.I.Karchikyan) i kliniki detskikh bolezney (nach.-prof. M.S.Maslov) Voyenno-meditsinskoy ordena Lenina akademii im. S.M.Kirova.

(BODY TEMPERATURE
hypothermia in surg. of heart)
(HEART, surg.
controlled hypothermia in)

GUBLER, Ye. V.

"Heat Regulation and Gas Metabolsim During Artificial Hypothermia in the Human," from the book Theses of the Reports of the Scientific Session of the Military Medical Academy im. S. M. Kirov, Tezisy Dokladov Nauchnoy Sessi, 29 Oct-2 Nov 1956, Leningrad.

GUBLER, YE.V.

"Heat Regulation and Gas Metabolism During Artificial Hypothermia in the Human," p. 18, Military Medicine 1956.

lecture delivered at a conference of Soviet military physicians at the Military Medical Academy im. S.M. Kirov, Leningrad, 29-October - 2 Nov 56.

PETROV, I.P., prof., polkovnik med.sluzhby, GUBLER, Ye.V., dots., podpolkovnik med.sluzhby, ZOR'KIN, A.A., mayor med.sluzhby, KULAGIN, V.K., mayor med.sluzhby

Mikhail Grigor'evich Danilov, 1902-1955. Arkh.pat. 18 no.3:140-141 '56 (MIRA 11:10)

1. Nachal'nik kafedry patologicheskoy fiziologii Voyenno-meditsinskoy ordena Lenina akademii im. S.M. Kirova, chlen-korrespondent AMN SSSR (for Petrov).
(DANILOV, MIKHAIL GRIGOR'EVICH, 1902-1955)

GUBLER, Ye.V. . . .

"The Problem of Artificial Hypothermia in Cardiac Surgery," by P. A. Kupriyanov, B. S. Uvarov, Ye. V. Gubler, G. A. Akimov, N. A. Fedorova, and A. N. Savchenko (Leningrad), Klinicheskaya Meditsina, Vol 34, No 10, Oct 56, pp 3-13

Artificial hypothermia has great surgical significance in making complicated operations on the heart and major blood vessels possible. It is based on increased endurance by an organism of trauma and oxygen deficiency and decreased metabolism and oxygen requirement. Five typical stages of artificial hypothermia are described. A study of the changes in the body temperature, oxygen requirement and pulmonary ventilation during artificial hypothermia shows that intratracheal ether narcosis does not always ensure either decreased reflex reaction to cold or temporary decreased oxygen requirement during hypothermia. However the relationship between oxygen requirement and the mechanisms that supply it is usually favorable.

Sum. 1391

GUBLER, Ye. V.

The use of neuroplegic agents produces a more thorough decrease of undesirable reflexes, but they exert unfavorable effects on the heart and hemodynamic system thereby interfering with the oxygen supply.

Metabolic studies of carbohydrates and phosphorus compounds of the brain and cardiac muscle of rabbits under hypothermia of 20 - 22°C reveal that hypothermia does not cause any essential changes in the content of adenosine triphosphoric acid, phosphocreatine, glycogen, and lactic acid either in the brain or in the cardiac muscle.

Disturbances in carbohydrate and phosphorus metabolism arising due to the isolation of the heart from the general circulation for 10 — 15 minutes under hypothermia were of a reversible nature and less marked than those resulting from isolation of the heart for 3-4 minutes under normal temperature in rabbits.

The most dangerous complication during hypothermia was the disturbance of cardiac rhythm and especially ventricular fibrillation. This danger was commensurate with the depth of hypothermia. One of the most effective means of preventing arythmia was proper gas exchange.

The authors conclude that considering the complexity and the lack of knowledge of the pathophysiology of artificial hypothermia, it should be used only in certain operations on the heart and major blood vessels and only under circumstances where other simpler and less dangerous means of anesthesia would fail. (U)

SUM. 1391

GUBLER, Ye.V.; BORODIN, I.M.

Simple method of determining pulmonary ventilation and oxygen requirements during surgical operations [with summary in English p. 157] Vest.khir. 77 no.5:25-31 My '56. (MLRA 9:8)

1. Iz kafedry patologicheskoy fiziologii (nadh. kaf. prof. I.R. Petrov) i kafedry 1-y fakul'tetskoy khirurgii (nach. kaf. prof. V.N.Shamov) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova

(RESPIRATION, function tests,
pulm. ventilation & oxygen requirements tests
during surg. (Rus))

4-5-9/17

SUBJECT: USSR/Medicine

AUTHOR: Gubler, Ye., Candidate of Medical Science, Docent

TITLE: Frosty Sleep (Moroznyy Son)

PERIODICAL: Znaniye - Sila, May 1957, #5, pp 30-33 (USSR).

ABSTRACT: The article describes the experiments made and the possibilities of applying artificial hypothermia in medicine. It starts with explaining the effects cold has on animals with an interrupted blood supply to the cerebrum, the so called oxygen starvation of the cerebrum, and what influence various drugs have on this process. The article goes on to describe the effects caused by reducing the temperature of the animals and the frequency of natural hypothermia. A Russian physician S. Lobachev, found that the body temperature of a bear in hibernation was reduced to 8-9°C.

The article then deals with the artificial hypothermia on humans. The first operations, applying hypothermia, were made in France in 1951 and the American surgeon Swenn cooled off a human body to below 30 degrees in 1953. In 1954, applying hypothermia, Professor V. Shamov, Fellow of the USSR Academy of

Card 1/2.

4-5-9/17

TITLE: Frosty Sleep (Moroznyy Son)

Medical Science, as well as Professor P. Kapriyanov carried out difficult operations on vital organs e.g. the lungs, stomach and cerebrum. The article also mentions the name of Professor I.Petrov of the Military-Medical Academy in Leningrad, who in 1949, suggested hypothermia as a subject of study.

The article contains 6 pictures.

ASSOCIATION: Voyenno-meditsinskaya akademiya, Leningrad (Military-Medical Academy in Leningrad).

PRESENTED BY:

SUBMITTED:

AVAILABLE: At the Library of Congress

Card 2/2

AKIMOV, G.A.; BURAKOVSKIY, V.I.; GUBLER, Ye.V.

Effect of deep general hypothermia on functional and morphological changes in the central nervous system following exclusion of the heart from circulation [with summary in English]. Biul. eksp. biol. i med. 43 no.6:99-103 Je '57. (MIRA 10:10)

1. Iz kafedry nervnykh bolezney (nach. - prof. S.I. Krchikyan), kafedry 2-y fakul'tetskoy khirurgii (nach. - deystvitel'nyy chlen AMN SSSR prof. P.A. Kupriyanov) i kafedry patologicheskoy fiziologii (nach. - chlen-korrespondent AMN SSSR prof. I.P. Petrov) Voyenno-meditsinskoy akademii imeni S.M. Kirova, Leningrad. Predstavlena deystvitel'nym chlenom AMN SSSR prof. P.A. Kupriyanovym.

(HEART, physiology,
eff. of exclusion on CNS in hypothermia in dogs (Rus))
(CENTRAL NERVOUS SYSTEM, physiology,
eff. of heart exclusion in hypothermia in dogs (Rus))
(HYPOTHERMIA, effects,
on CNS, with exclusion of heart in dogs (Rus))

GUBLER, Ye.V.; KOVALENKO, Ye.A.; VASADZE, G.Sh.; GARBER, Ye.I.

Recording conditioned and unconditioned respiratory reflexes by measuring pulmonary ventilation. Fiziol.zhur. 43 no.6:582-585 Je '57. (MIRA 10:12)

1. Kafedra patologicheskoy fiziologii Voyenno-meditsinskoy ordena Lenina akademii im. S.M.Kirova.
(RESPIRATION, physiol.
recording method of reflexes by measurement of pulm. ventilation in dogs)
(REFLEX
same)

GUBLER, Ye.V., dots. (Leningrad, Nevskiy pr., d.18, kv.30)

Oxygen consumption and energy expenditure in artificial hypothermia. Vest.khir. 80 no.3:117-123 Mr '58. (MIRA 11:4)

1. Iz kafedry patologicheskoy fiziologii (nach. - prof. I.R.Petrov) Voyenno-meditsinskoy ordena Lenina akademii im. S.M.Kirova.
(HYPOTHERMIA, eff.
on oxygen consumption & energy expenditures (Rus))
(OXYGEN, metab.
eff. of hypothermia on consumption (Rus))

PETROV, I.R., prof., GUBLER, Ye.V., dots.

Oxygen therapy; review of Russian and foreign literature.
Vest.khir. 81 no.8:124-134 Ag '58 (MIRA 11:9)

Iz kafedry patologicheskoy fiziologii (nach. - prof. I.R. Petrov)
Voyenno-meditsinskoy ordena Lenina akademii im. S.M. Kirova.
2. Chlen-korrespondent AMN SSSR (for Petrov). Adres avtorov:
Leningrad, ul. Lebedeva, d. 6, kafedra patologicheskoy fiziologii
Voyenno-meditsinskoy ordena Lenina akademii im. S.M. Kirova.
(OXYGEN, ther. use.
review (Rus))

GUBLER, Ye.V.; ALISHEV, N.V.; LASSI, N.I. (Leningrad)

Pathophysiological characteristics of deep hypothermia under experimental conditions. Pat.fiziol. i eksp.terap. 3 no.5:41-48 S-O '59. (MIRA 13:3)

(HYPOTHERMIA, INDUCED eff.)

GUBLER, Ye.V.

Changes in defense conditioned reflexes in acute hemorrhage in dogs. Zhur. vys. nerv. deiat. 9 no.6:900-907 N-D '59. (MIRA 13:9)

1. Chair of Pathological Physiology, Kirov Military Medical Academy, Leningrad.
(CONDITIONED RESPONSE) (HEMORRHAGE)

GUBLER, Ye.V.; ALISHEV, N.V.; LASSI, N.I.; SOKOLOVA, N.B.

On deep hypothermia and recovery. Report No. 3: Oxygen blanance and effectiveness of training for oxygen deficiency during deep hypothermia. Eksper. khir. 5 no. 2:39-45 Mr-Ap '60. (MIRA 14:1)
(HYPOTHERMIA)

GUBLER, Ye.V. [Hublier, IE.V.]

"Reflex regulation of the cardiovascular system" by V.V. Frol'kis. Reviewed by IE.V.Hubler. Fiziol. zhur. [Ukr.] 6 no.3:416-417 My-Je '60. (MIRA 13:7)

(BLOOD—CIRCULATION) (REFLEXES)
(FROL'KIS, V.V.)

GUBLER, Ye.V.; AKIMOV, G.A.; ALISHEV, N.V.; LIKHOTA, V.N.

On the sequelae of deep hypothermia. Arkh. pat. 22 no. 12:29-36 '60. (MIRA 14:1)

(BODY TEMPERATURE)

PETROV, Ioakim Romanovich, prof.; GUBLER, Yevgeniy Viktorovich, doktor med. nauk; RAYGORODETSKAYA, S.G.; UDERMAN, Sh.I., red.; SHEVCHENKO, F.Ya., tekhn. red.; KHARASH, G.A., tekhn. red.

[Artificial hypothermia] Iskusstvennaia gipotermiia. Leningrad, Gos. izd-vo med. lit-ry Medgiz, Leningr. otd-nie, 1961. 227 p.

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Petrov)
(HYPOTHERMIA)

PETROV, I.R., prof.; GUBLER, Ye.V., doktor med.nauk (Leningrad)

Report on the Third All-Union Conference of Pathophysiologists.
Pat.fiziol.i eksp.terap. 5 no.1:83-86 Ja-F '61. (MIRA 14:6)

1. Deystvitel'nyy chlen AMN SSSR (for Petrov);
(PHYSIOLOGY, PATHOLOGICAL—CONGRESSES)

GUBLER, Ye.V.; PINCHUK, V.M.; SKORIK, V.I. (Leningrad)

Characteristics of the reactivity and resistance to additional influences in different periods of burn disease. Pat. fiziol. i eksp. terap. 6 no.1:77-82 Ja-F '62. (MIRA 15:3)

1. Iz Voyenno-meditsinskoy ordena Lenina akademii imeni Kirova.

(BURNS AND SCALDS)

GUBLER, Ye.V. (Leningrad)

Role of "natural" hypothermia in anoxia and the effect of low environmental temperature on its course. Usp.sovr.biol. 53 no3:306-322 My-Je '62. (MIRA 15:9)
(ANOXEMIA) (HYPOTHERMIA)

GUBLER, Ye.V.

Use of electronic computers in analyzing the pathological process in man. Prim. mat. metod. v biol. no.2:78-80 '63.
(MIRA 16:11)

PETROV, I.R., prof.; GUBLER, Ye.V., doktor meditsinskikh nauk

"Pathophysiology of hypoxic conditions" by A.M.Charnyi. Reviewed by I.R.Petrov, E.V.Gubler. Pat.fiziol. i eksp. terap. 7 no.1:88-89 Ja-F'63. (MIRA 16:10)

1.Deystvitel'nyy chlen AMN SSSR (for Petrov)
(ANOXEMIA)

GUBLER, Ye.V., doktor med.nauk; ZIMINA, E.P.

Changes in energy metabolism in burn disease. Sov.Med. 27 no.7:56-62 Jl'63. (MIRA 16:9)

1. Iz Voyenno-meditsinskoy ordena Lenina akademii imeni Kirova.
(METABOLISM, DISORDERS OF) (BURNS AND SCALDS)

GENKIN, A.A.; GUBLER, Ye.V.

Application of sequential statistical analysis for differential diagnosis and the use of this method for the differentiation of two forms of burn disease. Prim. mat. metod. v biol. no.3:174-185 '64. (MIRA 17:11)

1. Voyenno-meditsinskaya akademiya, Leningrad.

GUBLER, Ye.V., doktor med. nauk; POLONSKIY, Yu.Z.; IVASHKIN, V.T.; LEGEZA, V.I.

Statistical analysis of the morphological state of the blood in healthy persons and its importance for the diagnosis of various diseases. Probl. gemat. i perel. krovi 9 no.7:26-32 Jl '64.
(MIRA 18:3)

1. Voyenno-meditsinskaya ordena Lenina akademiya imeni Kirova i Leningradskiy universitet imeni Zhdanova.

PETROV, I.R., prof.; GUBLER, Ye.V.

Decision of the plenum of the All-Union Society of Pathophysiologists held on Frebruary 2-5, 1965. Pat. fiziol. i eksp. terap. 9 no.3:93-95 My-Je '65. (MIRA 18:9)

1. Predsedatel' Vsesoyuznogo obshchestva patofiziologov (for Petrov). 2. General'nyy sekretar' Vsesoyuznogo obshchestva patofiziologov (for Gubler).

GUBIN, [illegible]; KOZHURA, V.T.; KOPYTOVA, M.Yu.; ROBIN, A.A.

Relation between hemoconcentration and the severity of burns in man. Pat. fiziol. i eksp. terap. 9 no.4:59-64 Jl-Ag '65.
(MIRA 18:9)

1. Voyenno-meditsinskaya ordena Lenina akademiya imeni S.M. Kirova, Leningrad.

GUBLER, Ye.V.; POLONSKIY, Yu.Z.; GENKIN, A.A.; KORYTOVA, M.Yu.

Early detection of the forms of burn disease by means of differential diagnosis tables. Eksper. khir. i anest. 9 no.5:17-21 S-O '64. (MIRA 18:11)

1. Khirurgicheskaya klinika (nachal'nik - prof. T.Ya. Ar'yev) i nauchno-issledovatel'skaya laboratoriya (nachal'nik - doktor med. nauk. Ye. V. Gubler) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova i Leningradskogo universiteta imeni A.A.Zhdanova.

GOR'KIY, Ye.V., doktor med. nauk, GIMINA, Ye.A.

External respiration in burn disease. Sov. med. 27 no.12: 3-8 D '64. (MIRA 18:11)

1. Khirurgicheskaya klinika (nachal'nik - prof. T.Ya. Ar'yev) Voyenno-meditsinskoy ordena Lenina akademii imeni Kirova, Leningrad.

GUBLER, Ye.V., doktor med. nauk

Burn shock as a process of automatic control. Pat. fiziol. i eksp. terap. 9 no.1:3-10 Ja-F '65. (MIRA 18:11)

1. Kafedra termicheskikh porazheniy (nachal'nik - prof. T.Ya. Ar'yev) i nauchno-issledovatel'skaya laboratoriya termicheskikh porazheniy (nachal'nik - doktor med. nauk Ye.V. Gubler) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova, Leningrad.

AUTHOR: None Given 3-6-28/29

TITLE: A Book Dedicated to the Most Important Discoveries in Physiology (Kniga, posvyashchennaya glavneyshim otkrytiyam fiziologii)

PERIODICAL: Vestnik Vysshey Shkoly, 1957, # 6, pp 95-96 (USSR)

ABSTRACT: The article is an editorial summary of two reviews given by V. I. Bel'tyukov, Candidate of Biologic Sciences of the Molotov Medical Institute (Molotovskiy meditsinskiy institut) and L. B. Gubman, Candidate of Biologic Sciences of the Molotov Pedagogic Institut (Molotovskiy pedagogicheskiy institut) on the book by K.P.Golysheva and S.I.Gal'perin - "Physiology of Man and Animal". The two scientists arrive at the conclusion that the methodologically proper examination of the correlation between physiology and psychology, the impartial exposition of the history of physiology, in particular the reestablishment of the priority of V.M. Bekhterev's and of other Russian scientists' teachings, the maintenance of unity between theory and practice - are the undoubted merits of the book. The authors have successfully solved the problem of compiling a manual which correctly

Card 1/2

3-6-28/29

Book Dedicated to the Most Important Discoveries in Physiology

reflects the present level of physiology and complies with the tasks of higher pedagogical and university education.

AVAILABLE: Library of Congress

Card 2/2

GUBNIN, I., prokhodchik.

Young miners' needs. Mast. ugl. 7 no.10:27 O '58(MIRA 11:11)

1. 15-y uchastok shakhty No.4/5 tresta Prokop'yevskugol'.
(Coal miners)

DERKACH, G.I.; GUBNITSKAYA, Ye.S.; KIRSANOV, A.V.

Triphenylphosphazoaroyls, N-diphenylphosphinylphenylaryl ketimines, and N-diarylphosphinylaroyl amides. Zhur. ob. khim. 31 no. 11:3679-3684 N '61. (MIRA 14:11)

1. Institut organicheskoy khimii AN Ukrainskoy SSR.
(Phosphorus organic compounds)

DERKACH, G.I.; GUBNITSKAYA, Ye.S.; KIRSANOV, A.V.

Trianilidophosphazoaroyls and N-dianilidophosphinyl-N'-aryl-arenamidines. Zhur. ob. khim. 31 no. 11:3746-3750 N '61. (MIRA 14:11)

1. Institut organicheskoy khimii AN Ukrainskoy SSR.
(Phosphazo compounds) (Amidines)

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

Triaroxyphosphazoacyls. Part 2. Zhur.ob.khim. 32 no.4:1201-1207 Ap '62. (MIRA 15:4)

1. Institut organicheskoy khimii AN Ukrainskoy SSR.
(Phosphorus organic compounds) (Esters)

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

Phenyldichloro-, diphenylchloro-, and triphenylphosphazo acyls. Zhur.ob.khim. 32 no.6:1874-1878 Je '62. (MIRA 15:6)

1. Institut organicheskoy khimii Akademii nauk Ukrainskoy SSR.
(Phosphazo compounds)

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

Aryldichlorophosphazoacyls and their derivatives. Zhur.ob. khim. 33 no.2:553-557 F '63. (MIRA 16:2)

1. Institut organicheskoy khimii AN UkrSSR.
(Phosphorus organic compounds)

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

Diaroxychloro- and triaroxyphosphazoacyls. Zhur.ob.khim. 33 no.2:557-562 F '63. (MIRA 16:2)
(Phosphorus organic compounds)

DERKACH, G.I.; FEDOROVA, G.K.; GUBNITSKAYA, Ye.S.

Phenyldialkyl- and styryldialkylphosphazo acyls. Zhur.ob.khim. 33 no.3:1017-1019 Mr '63. (MIRA 16:3)

1. Institut organicheskoy khimii AN UkrSSR.
(Phosphorus organic compounds)

DERKACH, G.I.; GUBNITSKAYA, Ye.S.

Reaction of aroyl azides with phosphites and phosphines. Zhur.ob.khim. 34 no.2:604-609 F '64. (MIRA 17:3)

1. Institut organicheskoy khimii AN UkrSSR.

DERGACH, G.T.; GUBNITSKAYA, Ye.S.

N-phosphorylated derivatives of cyanoformic and oxalic acids.
Zhur. ob. khim. 35 no.6:1009-1014 Je '65. (MIRA 18:6)

1. Institut organicheskoy khimii AN UkrSSR.

DERKACH, G.I.; GUBNITSKAYA, Ye.E.; SHOKOL, V.A.

Derivatives of acylamidoarylphosphonic acids. Zhur. ob. khim. 35 no.6:1014-1018 Je '65. (MIRA 18:6)

1. Institut organicheskoy khimii AN UkrSSR.

ACC NR: AP7011820

AUTHOR: Derkach, G. I.; Gubnitskaya, Ye. S.; Kolotilo, M. V.; Matyusha, A. G.

SOURCE CODE: UR/0079/66/036/012/2215/2217

ORG: Institute of Organic Chemistry, Academy of Sciences Ukrainian SSR (Institut organicheskoy khimii AN UkrSSR)

TITLE: Reaction of isocyanatophosphites with alkyl halides, N-chloro compounds, and azides

SOURCE: Zhurnal obshchey khimii, v. 36, no. 12, 1966, 2215-2217

TOPIC TAGS: organic isocyanate compound, azide, chlorinated organic compound, organic azine compound

SUB CODE: 07

ABSTRACT: The alkyl esters of isocyanato- and diisocyanatophosphorous acids react readily with alkyl halides, N-chloroamines, acid N-chloroamides, and N-chloroiminoesters with an Arbuzov rearrangement, forming derivatives of isocyanatophosphonic (I) or amidophosphoric acids (II). The compounds $EtPO(NCO)(OEt)$, $m\text{-}O_2NC_6H_4CON{=}P(NCO)(OEt)_2$ (liquid), and $m\text{-}O_2NC_6H_4CONHPO(OEt)NHCONHPh$ were synthesized in this manner. The interaction of N-chloroamidines with isocyanates of trivalent P led to phosphatriazines, of which

Card 1/2

data.

UDC: 547.558+547.583.7

0252 0406

Card 2/2

1. GUBOCHKINA, I. K., INDENBAUM, I. S.

2. USSR (600)

4. Drugstores

7. All-Union inspection of pharmacies. Apt. delo no. 2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

GUBOCHKINA, I. K.

Drugstores

Pharmaceutical workers' contribution to the great communist construction projects. Apt. delo no. 4, 1952

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

GUBOCHKINA, I.K.

Improve the drug supply of the rural population. Apt.delo 3 no.2:19-23 Mr-Ap '54. (MLRA 7:4)

1. Glavnoye aptechnoye upravleniye.
(Pharmacy) (Medicine, Rural)