GELLER, M.

Contributions to the calculation of the resistance of heavy rods. p. 59

PETROL SI GAZE, Bucuresti, Vol 7, No. 2, Feb., 1956

SO: East European Accessions List (EEAL) Library of Congress, Vol 5, No. 7, July, 1956

GELLER, M.

GELLER, M. Considerations on the length of drill collars. p. 14.

Vol. 8, No. 9, Sept. 1956.
STANDARIZAREA
TECHNOLOGY
Bucuresti, Rumania

So: East European Accession, Vol. 6, No. 2, Feb. 1957

GELLER, M., dr. ing.

Contribution to the calculation of stresses occurring in sucker rods. Petrol si gaze 14 no.4:184-188 '63.

GELLER, M.

GELLER, M. Remarks on the length of drill collars. p. 9.

Vol. 8, no. 10, Oct. 1956
STANDARDIZAREA
TECHNOLOGY
Bucuresti, Rumania

So: East European Accession, Vol. 7, no. 3, March 1957

GHLER, M.

Considerations on sucker-rod stresses. p. 6h.

PETROL SI GAZE. (Asociatia Stiintifica a Inginerilor si Tehnicienilor din Romînia si Ministerul Industriei Petrolului) Bucuresti, Rumania. Vol. 10, no. 2, Feb. 1959.

Monthly list of East European Accessions (EEAI) LC, Vol 8 no. 8, Aug. 1959

Uncl.

GILL R, V. .

35517. Metod Aktivnoy Asfiksatsii Pri Pozdnikh Oslozhneniyakh P sle Rannely Grudnoy Kletki V SB: Voprosy Gru noy Khirurgii T. III. M., 1949, c. 116-18.

Letopis' Zhurnal'nykh Statey, Vol. 48, Moskva, 194

KROPACHEV, V.A.; DOLGOPLOSK, B.A.; GELLER, M.M.; ROZINOYER, Ya.M.

Use of organoaluminum compounds as catalysts for the polymerization of 3,3'-bis(chloromethyl)oxacyclobutane and isobutylene. Vysokom.soed. 1 no.12:1844-1847 D '59. (MIRA 13:5)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.
(Aluminum organic compounds) (Oxetane)

Geller, N.M.

81934
S/062/60/000/06/05/011
B020/B061

5.3700C

AUTHORS: Kropachev, V. A. Dolgoplosk, B. A., Geller, N. M., Zelenina, M. N.

TITLE: Reactions Between Organo-metallic Compounds and Heavy Metal Salts. II. Interaction of Lithium-ethyl With Cobalt and Titanium Halides

PERIODICAL: Izvestiya Akademii nauk SSSR. Otdeleniya khimicheskikh nauk, 1960, No. 6, pp. 1044 - 1048

TEXT: The reaction of ethyl-lithium with titanium tetrachloride and cobalt chloride is examined here at 20° in hydrocarbon solvents and in the presence of unsaturated hydrobarbons as free-radical acceptors. In the case of radical stages, the said reaction cannot lead to the formation of ethane and ethylene. Similarly, the reaction of organo-magnesium compounds with metal halides was examined earlier (Ref. 12). All reactions were carried out in solutions (in benzene, metaxylol) at 20°. In connection with the fact that α-methylstyrene polymerizes under reaction conditions on the

Card 1/3

Reactions Between Organo-metallic Compounds and Heavy Metal Salts. II. Interaction of Lithium-ethyl With Cobalt and Titanium Halides

action of the ethyl-lithium and $TiCl_4$, the α-methylstyrene was gradually introduced to the reaction mixture, thus maintaining a sufficient quantity of free olefin in the mixture at all times. The products of the reaction of ethyl-lithium with cobalt chloride (Table 1) and with $TiCl_4$ (Table 2) at 20° are given. On the reaction of ethyl-lithium with cobalt chloride, equimolar quantities of ethane and ethylene are liberated, whilst only ethane is liberated when reacting with $TiCl_4$, the ethylene being polymerized. The introduction of acceptors in no case affected the composition of the reaction products. The performance of the experiments is exactly described in the experimental part (Fig. 1, reaction vessel with mixer), and hints are given for carrying out the reaction of ethyl-lithium with $TiCl_4$ and cobalt chloride. The results obtained show that the formation of ethane and ethylene is not connected with radical interstages. There are 1 figure, 2 tables, and 13 references: 4 Soviet, 7 USA, and 2 German.

Card 2/3

81934

Reactions Between Organo-metallic Compounds and Heavy Metal Salts. II. Interaction of Lithium-ethyl With Cobalt and Titanium Halides

S/062/60/000/06/05/011
B020/B061

ASSOCIATION: Institut vysokomolekulyarnykh soyedineniy Akademii nauk SSSR (Institute of High-molecular Compounds of the Academy of Sciences USSR)

SUBMITTED: December 1, 1958

Card 3/3

L 12433-63 EPR/EWP(j)/EPF(c)/EWT(m)/BDS ASD Ps-4/Pc-4/Pr-4
RM/WW
ACCESSION NR: AP3001148 S/0190/63/005/006/0811/0815

74
73

AUTHOR: Nikolayev, N. I.; Geller, N. M.; Dolgoplosk, B. A., Zgonnik, V. N.; Kropachev, V. A.

TITLE: Polymerization of isoprene and butadiene by insoluble organo-lithium compounds

SOURCE: Vy*sokomolekulyarny*ye soyedineniya, v. 5, no. 6, 1963, 811-815

TOPIC TAGS: polymerization, isoprene, butadiene, methyllithium amide, dialkyllithium amide

ABSTRACT: Organic lithium compounds insoluble in hydrocarbons and monomers were selected so as to allow the polymerization process to proceed gradually, with a chance of formation of longer chains. Such lithium compounds could also be of higher purity to eliminate side reactions with the impurities. Polymerization of isoprene and butadiene in benzene or petroleum ether solutions was conducted in sealed ampules by standard methods, using methyllithiumamide and dialkyllithiumamide as catalysts. The obtained polymers were precipitated by ethanol and dried at 20C, and their viscosity and molecular weight determined. It was shown that methyllithiumamide leads to the formation of polyisoprene with 93-96% of 1,4-chains of 500 000--2 500 000 molecular weight, while dialkyllithiumamide

Card 1/2

L 12433-63
ACCESSION NR: AP3001148

produces a polyisoprene rich in 3,4-chains, the distribution of cis- and trans-forms being nearly equal. Under similar conditions both catalysts produced polybutadienes containing 85-89% of 1,4-units in their chains, with 40-54% of them in transconfiguration. Orig. art. has: 2 formulas and 2 tables.

ASSOCIATION: Institut vy*sokomolekulyarny*kh soyedineniy AN SSSR (Institute of High-Molecular Compounds, Academy of Sciences SSSR)

SUBMITTED: 09Nov61 DATE ACQ: 01Jul63 ENCL: 00

SUB CODE: OO NO REF SOV: 003 OTHER: 003

Card 2/2

NIKOLAYEV, N.I.; GELLER, N.M.; DOLGOPLOSK, B.A.; ZGONNIK, V.N.; KROPACHEV, V.A.

Polymerization of isoprene and butadiene under the effect of insoluble organolithium compounds. Vysokom.soed. 5 no.6:811-815 Je '63. (MIRA 16:9)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.
(Butadiene) (Polymerization) (Lithium organic compounds)

GELIER, N. M.

Warehouses

Attachment for lift trucks for picking up full bags without use of platforms. Mekh. trud. rab. 6, No. 1, 1952.

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

GELLER, N.M., dotsent; ANTONEVICH, E.F., inzhener.

Transporting heavy loads with ZIO loaders. Mekh.trud.rab.10 no.7:37-38 Jl '56. (MLRA 9:9)
(Fork lift trucks)

GELLER, N.M., dotsent.; ANTONOVICH, E.F., inzhener.

Constructional defects of the 4006 truck-mounted loader. Mekh.trud. rab. 11 no.1:39 Ja '57. (MLRA 10:5)
(Loading and unloading)

SOV-118-58-7-14/20

AUTHOR: Geller, N.M., Dotsent and Antonevich, E.F., Engineer

TITLE: Experience with the Handling of Crated and Packed Goods on Pallets (Opyt perevozki tarno-upakovochnykh gruzov na poddonakh)

PERIODICAL: Mekhanizatsiya trudoyëmkikh i tyazhëlykh rabot, 1958, Nr 7, pp 36-37 (USSR)

ABSTRACT: At freight stations of the Yuzhnaya zheleznaya doroga (Southern Railroad) four kinds of pallets are used for loading and unloading operations. Two are wood (produced by the Khar'kov Container Plant and the Pogruzkontora PNP-4), one is metal (produced by the Kivertsy Mechanical Plant) and one is a combination of wood and metal (produced by the Pogruzpunkt of the Khar'kov-Osnova station). On the average the service life of pallets is 6 to 8 months. Metal pallets need repair every 15-20 days, wooden ones every 25-30 days. Taking into

Card 1/2

Experience with the Handling of Crated and Packed Goods on Pallets

account the high expense, the author recommends giving up the use of pallets in railroad transportation or to at least reduce the number of them. The author proposes equipping the mechanical loaders with claws and hydraulic drive. There are 2 figures, and 1 table.

1. Materials--Handling 2. Pallets--Applications

Card 2/2

GELLER, N.M., kand. tekhn. nauk, dots.

Investigating certain operational conditions of scrapers in mechanical unloading of bulk freight. Trudy KHIIT no.27:106-125 '58. (MIRA 11:6)

(Railroads--Freight) (Scrapers)

GELLER, M.M., kand.tekhn.nauk

Use of machinery in unloading cement. Trudy KHIIT no.34: 92-100 '59. (MIRA 13:1)
(Cement--Transportation) (Loading and unloading)

GELLER, M.M., kand.tekhn.nauk; DANILENKO, V.K., inzh.

Over-all mechanization of unloading thin-sheet metals at the freight yard. Mekh.i avtom.proizv. 14 no.1:37-38 Ja '60. (MIRA 13:5)

(Kharkov--Railroads--Freight)

GELLER, N.M., kand.tekhn.nauk; DANILENKO, V.K., inzh.

Mechanizing operations in the storage yards for bulk cargoes. Mekh. i avtom.proizv. 14 no.11:27-29 N '60. (MIRA13:11)
(Materials handling)

GELLER, M.Moy- kand.tekhn.nauk; DANILENKO, V.K., inzh.

Over-all mechanization of a lumber yard on a freight station. Mekh.i avtom.proizv. 16 no.5:7-8 '62.

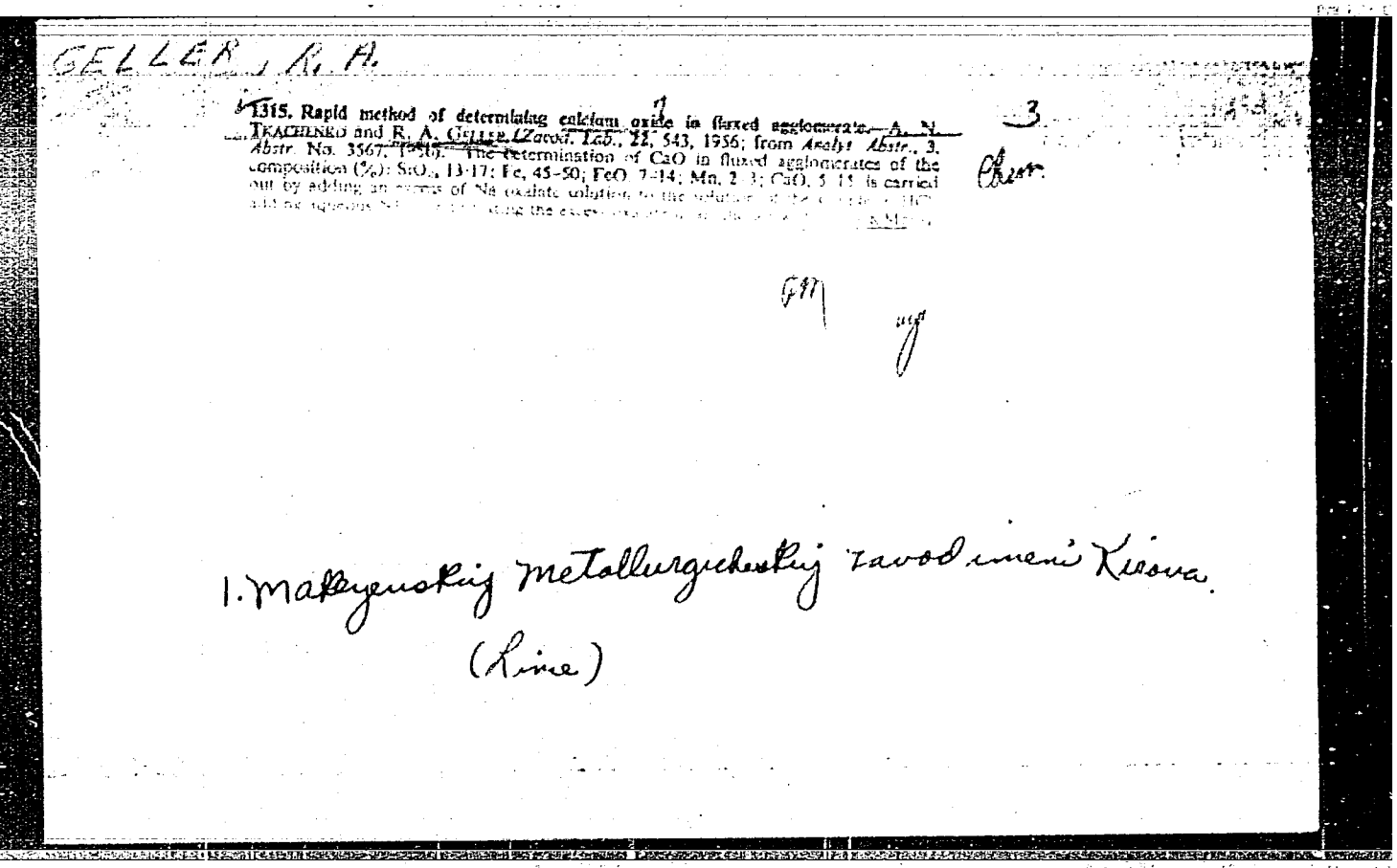
(MIRA 16:5)

(Lumber--Transportation)

NIZOVKINA, T.V.; STROYMAN, I.M.; GELLER, N.M.; BOROVAYA, G.M.; SALTYKOVA, I.A.

Preparation of phenols by condensation dehydrocyclization.
Zhur. ob. khim. 34 no.11:3566-3570 N '64 (MIRA 18:1)

1. Leningradskiy gosudarstvennyy universitet.



GELLER, R. A.

1315. Rapid method of determining calcium oxide in fluxed agglomerate. A. N. TRACHENKO and R. A. GELLER. (*Zavod. Lab.*, 22, 543, 1956; from *Analyt. Abstr.*, 3, Abstr. No. 3567, 1956). The determination of CaO in fluxed agglomerates of the composition (%): SiO_2, 13-17; Fe, 45-50; FeO 7-14; Mn, 2-3; CaO, 5-15 is carried out by adding an excess of Na oxalate solution to the solution of the sample in HCl and an aqueous NH[illegible] and titrating the excess oxalate with KMnO[illegible]

3

1. Makeyevskiy metallurgicheskiy zavod imeni Kirova.
(Lime)

GELLER, R L

AUTHOR: Geller, R.L., Engineer, 128-58-5-7/16

TITLE: Some Problems of the Work-Process Theory of the Sandslinger Rotor (Nekotoryye voprosy teorii rabochego protsessa peskometnoy golovki)

PERIODICAL: Liteynoye Proizvodstvo, 1958, Nr 5, pp 13-17 (USSR)

ABSTRACT: The motion of a pack of molding earth forming within a sandslinger rotor can be subdivided into six periods: loading by the bucket, formation of the pack, displacement of the pack along the guide arc, exit of the pack, flight, fall and densening in the molding box. Nearly all literature on the problem treats only the periods "flight" and "fall", and the first periods have not been studied at all. However, these first periods determine the power consumed by the rotor, as well as the nature and the rate of wear of the bucket and the guide arc. This article presents a theoretical solution to the following problems: determination of the geometric shape of an earth pack in a sandsling head, determination of the law of the distribution of the density degree and of the pressure along the profile of the pack, and determination of the value of

Card 1/2

Some Problems of the Work-Process Theory of the Sandslinger Rotor

power needed to overcome the friction force between the pack and the guide arc.
There are 8 graphs and 4 Soviet references.

AVAILABLE: Library of Congress

Card 2/2

GELLER, R.L.

Selecting the most satisfactory operating conditions for sand slingers. Lit'e proizv. no.3:12-13 Mr '61. (MIRA 14:6)
(Foundries--Equipment and supplies)
(Molding (Founding))

GELLER, R.L.; EL'BERT, I.S.

Friction of the foundry mixture against metal surfaces. Lit. proizv. no.3:31-32 Mr '62. (MIRA 15:3)
(Sand, Foundry) (Friction)

FAYN, A.I.; GELLER, R.L.; GUBCHEVSKIY, P.V.

Sand slinging in the making of larger molds. Lit. proizv. no.8: 1-5 Ag '62. (MIRA 15:11)
(Molding (Founding))

GELIER, R.L.

Methods of calculating the drive capacity of sand slinger heads. Lit. proizv. no.6:21-24 Je '63. (MIRA 16:7)

(Molding (Founding)—Equipment and supplies)

FAYN, A.I.; GELLER, R.L.

Automatic control of the sand slinger model 296M. Lit. proizv. no.7:16-19 Jl '63. (MIRA 17:1)

GELLER, R.L.; POPLAVSKIY, V.I.

Determining indices of packing properties for mold and core sands. Lit. proizv. no.1:31-34 Ja '65.
(MIRA 18:3)

GELLER, R.L., kand. tekhn. nauk; POPLAVSKIY, V.I., inzh.

The operation of core shooters. Lit. proizv. no.9:18-22 S '65.
(MIRA 18:10)

GELLER, R.M., inzh.

Takhia-Tash Headworks on the Amu Darya River. Gidr. i mel. 16 no.1: 23-31 Ja '64. (MIRA 17:2)

1. Sredneaziatskiy institut proyektirovaniya irrigatsionnykh sistem.

GEILER, S.

Glavnyi Turkmenskii kanal. /The Main Turkmen Canal/. (Sovkhoznaia gazeta, 1950, Sept. 23.)

SO: Soviet Transportation and Communication, A Bibliography, Library of Congress, Reference Department, Washington, 1952, Unclassified.

GELLER, S.

"A. E. Fersman and his travels," D. I. Sherbakov. Reviewed by S. Geller. Vop. Geog., 26, 1951.

SIMONOV, Yu.G.; BIAGOVOLIN, N.; GELLER, S.; KALITSKAYA, M.; KHRUSHCHEV, I.; LILIYENBERG, D.; KURAYEV, M.

Ivan Semenovich Shchukin's (1885-) anniversary. Izv. AN SSSR. Ser. geog. no.3:136-137 My-Je '65.

(MIRA 18:6)

GELLER, S.A.

USSR / Pharmacology, Toxicology. Chemotherapeutic Agents. U-7

Abs Jour : Ref. Zh.-Biol., No 2, 1959, No 8156

Author : Geller, S. A.

Inst :

Title : Large Doses of Antibiotics in a Complex Treatment of Sepsis

Orig Pub : Med. Zh. Uzbekistana, 1957, No 4, 31-34.

Abstract : No abstract.

Card : 1/1

GELLER, S.A., prof.; MANULKINA, L.K., kand.meditsinskikh nauk

Session of the Tashkent Surgical Society on April 6, 1959. Med. zhur. Uzb. no. 1:81-83 Ja '60. (MIRA 13:8)

(TASHKENT—SURGICAL SOCIETIES)

GELLER, S.A.

Meeting of the Tashkent Surgical Society of October 19, 1959.
Med. zhur. Uzb. no.2:77-78 F '60. (MIRA 15:2)
(TASHKENT--SURGICAL SOCIETIES)

GELLER, S.A.; MANULKINA, L.K.

Report on the work of the Tashkent Surgical Society for 1960.
Med. zhur. Uzb. no.6:69-72 Je '61. (MIRA 15:1)
(TASHKENT--SURGICAL SOCIETIES)

ACC NR: AP7002987 SOURCE CODE: UR/0413/66/000/024/0086/0087

INVENTOR: Burovikov, I.I.; Geller, S.I.

ORG: none

TITLE: Memory system for a digital computer with a checking unit. Class 42, No. 189621

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 24, 1966, 86-87

TOPIC TAGS: computer storage device, computer memory, computer control system, computer circuit

ABSTRACT: The proposed memory system for a digital computer with a control unit is intended to reduce detection time and to localize faults in machine operation. The control unit includes autonomous control and fault-detecting circuits, a supplementary register, and a transfer circuit whose inputs are connected with the outputs of the reproducing unit and with the direct outputs of the memory system number register. The inputs of the supplementary number register are connected with the outputs of the transfer circuit, and the outputs of the supplementary register are connected with the error detection circuit, whose output is tied to the autonomous control circuit. The control circuit is connected with the local control unit, the transfer circuit, and the supplementary register. [JP]

Card 1/2 UDC: 681.142.07

ACC NR: AP7002987

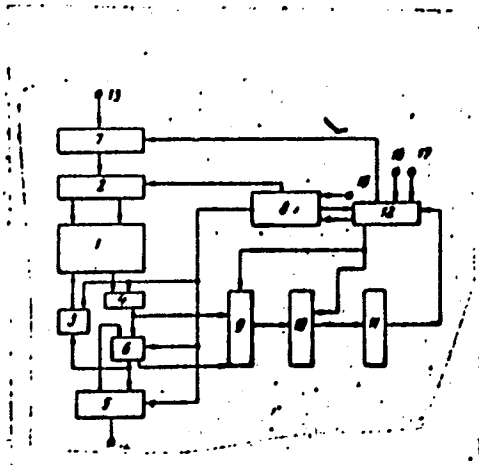


Fig. 1. Memory unit

1 - Operating accumulator of the memory system; 2 - memory address unit; 3 - recording unit; 4 - reproducing unit; 5 - code reception and output unit; 6 - number register; 7 - unit of memory system communication with the main address line; 8 - local command unit of the memory system; 9 - number transfer circuit; 10 - supplementary number register; 11 - error detection circuit; 12 - autonomous control circuit; 13 - address main line; 14 - number main line; 15 - signal main line; 16 - terminal "start of checking;" 17 - terminal "end of checking."

SUB CODE: 09/ SUBM DATE: 220ct65/ ATD PRESS: 5114

Card 2/2

IRZHEVSKIY, V.P. [Irzhevs'kyi, V.P.]; KOMEYKO, A.I.; GELLER, S.L. [Heller, S.L.]; ZIL'BERBERG, Yu.M.

Protection of ammonia compressors against water hammer. Kharch.prom. no.4:59-63 O-D 63. (MIRA 17:1)

L 33102-66
ACC NR: AP6024077 SOURCE CODE: UR/0066/66/000/001/0009/0012

AUTHOR: Irzhevskiy, V. P.; Matskin, V. S.; Geller, S. L.; Ogurtsov, V. I.
ORG: [Geller] "Pishchepromavtomatika" Institute (Institut "Pishchepromavtomatika")
TITLE: News in the planning of automated refrigeration units for distributing and production refrigerators
SOURCE: Kholodil'naya tekhnika, no. 1, 1966, 9-12
TOPIC TAGS: refrigeration engineering, refrigeration equipment, cryogenic fluid compressor, industrial management, electric relay
ABSTRACT: On the basis of recent experience in the installation and operation of automated refrigeration units for the food industry, many new design decisions have been made. These include pulse control systems, in which a status-determining pulse is supplied to the temperature relay system each thirty minutes, the position of the relays determining whether an additional compressor is started, one or more compressors are stopped, or the system is allowed to run as before for an additional 30 minutes; new ammonia supply, ball-bearing protection and compressor protection equipment for automation of compressor units; new centralized compressor control panels, located near compressor installations and equipped with signal lights to indicate the reasons for automatic stoppages of equipment; remote control units for non-compressor equipment; location of control rooms adjacent to compressor installations; standards for reduction of the number of service personnel present for operation as experience in operating installations is gained. Orig. art. has: 2 figures. [JPRS]
SUB CODE: 13, 11 / SUBM DATE: none / ORIG REF: 005
UDC: 621.56.001.12

Card 1/1 BK

L 07884-67 EWP(k)/EWT(d)/EWP(h)/EWP(l)/EWP(v) GD

ACC NR: AP6021260 (N) SOURCE CODE: UR/0066/66/000/003/0024/0027

29
28
B

AUTHOR: Geller, S. L.; Komeyko, A. I.

ORG: All-Union Planning-Design and Scientific Research Institute (Vsesoyuznyy proektno-konstruktorskiy i nauchno-issledovatel'skiy institut)

TITLE: Automating the cooling unit on a BMRT trawler

SOURCE: Kholodil'naya tekhnika, no. 3, 1966, 24-27

TOPIC TAGS: automatic control equipment, automatic temperature regulation, refrigerating system, pressure control, ammonia, compressor, coolant pump

ABSTRACT: The automation equipment consisted of five basic components: a relay tube for noncorrosive liquids, an EKM electrical contact manometer and a EKT thermometer, ESU-1 and ESU-2 electronic alarm systems, SVA solenoid valves, and TRVA-40 and TRVA-80 temperature regulating valves. Other minor components are also described. The automated system is presented schematically and the operation details are given. An external control panel operates the compressors, pumps, and motor-operated intake valves. Switches and signal lamps control the input voltage and detect any disconnections in the compressors. The boiling temperature of the coolant (-40°C) is controlled within 2°C by resistance thermometers switched into an RPIB-S electronic regulator. The compressors are protected against irregularities during operation by different tempera-

UDC: 621.56-52

Card 1/2

ACC NR: AP6021260

ture and pressure relays, as well as by ESU-1K electronic controls. The relays control the temperature in the injection system and the pressure in the oil system, injection system, and housing. The ESU-1K controls raised the level of liquid ammonia in the intermediate container, the liquid separator, and the evaporator in case it dropped below normal. Controls shut down the compressors when the pressure reaches dangerous levels, or if the water pressure to the condensor is shut off. The transfer of liquid ammonia to the evaporator is regulated by a 6SV solenoid valve, interlocked with a dual electronic control. Throttling of the liquid ammonia is done by a 2TRV temperature valve. Two operators. a mechanic and a maintenance man, are required for servicing the equipment. The cost to equip one trawler was estimated at 40,000 rubles; however, the yearly saving is in excess of 11,000 rubles. Orig. art. has: 1 figure.

SUB CODE: 13,14/ SUBM DATE: none/ ORIG REF: 002

Card 2/2 gd

IRZHEVSKIY, V.P., inzh.; KOMEYKO, A.I., inzh.; BATOVA, A.G., inzh.; ZAVELICH, G.Ye., inzh.; GELIER, S.L., inzh.

Automatic control of the operation of vessels in a dry ice plant. Khol.tekh. 40 no.3:47-48 My-Je '63. (MIRA 16:9)
(Ice industry) (Automatic control)

1. GELLER S. Yu.

2. USSR (600)

4. Geology and Geography

7. South America, A. D. Gozhev.(Phsical -Geographical Characteristics, Moscow, Geography Press, 1948) Reviewed by S. Yu. Geller, Sov. Kniga, No. 8, 1949.

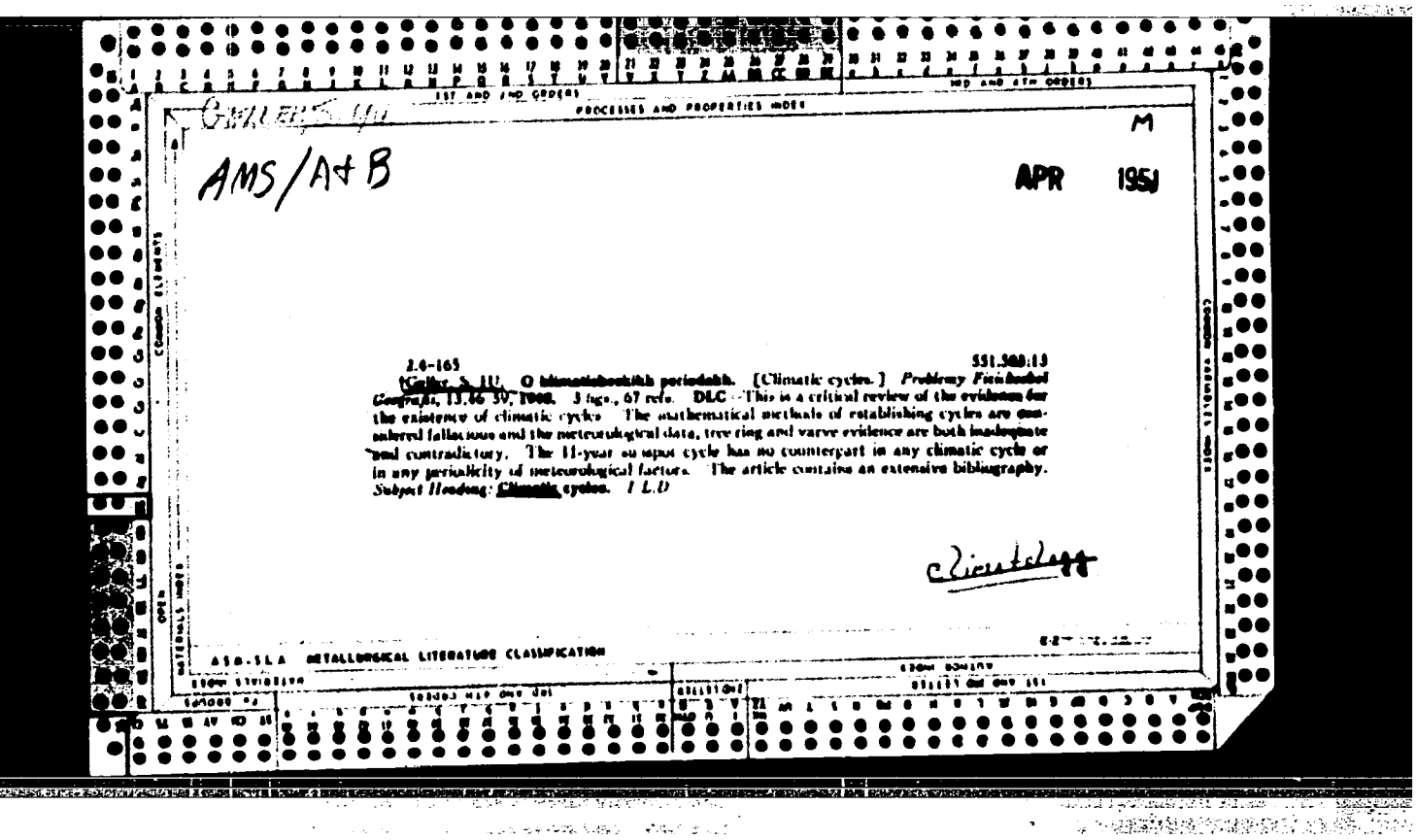
9. [redacted] Report U-3081, 16 Jan. 1953. Unclassified.

GELLER, S. Yu.

21498 GELLER, S. Yu.

O klimaticheskikh periodakh. /Tezisy Doklada/.
Trudy Vtorogo Vsesoyuz. geogr. s"yezda. T. I. M., 1949, s. 215 - 16.
s. /215-16/.

SO: Letopis' Zhurnal'nykh Statey, No. 29, Moskva, 1949



AMS/A+B

M

APR 1951

2.6-165 551.509.13

Gaither, S. III. O klimaticheskikh periodakh. [Climatic cycles.] *Problemy Fizicheskoi Geografii*, 13:46-59, 1948. 3 figs., 67 refs. DLC — This is a critical review of the evidence for the existence of climatic cycles. The mathematical methods of establishing cycles are considered fallacious and the meteorological data, tree ring and varve evidence are both inadequate and contradictory. The 11-year sunspot cycle has no counterpart in any climatic cycle or in any periodicity of meteorological factors. The article contains an extensive bibliography. *Subject Heading:* Climatic cycles. *I L D*

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

GELLER, S. YU.

PA 243T63

USSR/Geophysics - Sea Level, Jan/Feb 53
Lowering

"Problem of Aftereffects of Future Lowering of the Level of the Aral Sea," S. Yu. Geller and R. A. Sorokina, Geog Inst, Acad Sci USSR

"Iz Ak Nauk SSSR, Ser Geograf" No 1, pp 3-14

Extensive utilization of Amu-Dar'ya and Syr-Dar'ya waters for irrigation depends on construction of the Turkmen Canal, which in turn will decrease the flow into the Aral Sea, reduce its water capacity and area, and lower its level. This will increase the salinity of the water and decrease the amount of ground water. Eventually it will change the climatic conditions of the area.

243T63

KUZNETSOV, N.T.; GELLER, S.Yu., redaktor; DOBRONRAVOVA, A.O., redaktor; NEVRAYEVA, N.A., tekhnicheskiy redaktor.

[Exploiting the rivers of our land] Osvoenie rek nashei rodiny. Moskva, Izd-vo Akad.nauk SSSR, 1954. 94 p. (MLRA 8:3)
(Rivers) (Hydraulic engineering)

GELLER, S Yu.

USSR/Miscellaneous - Water distillation

Card 1/1 : Pub. 86 - 14/34

Authors : Goller, S. Yu., Dr. of Geogr. Sc.

Title : Distillation of salt water through freezing

Periodical : Priroda 1, 92-95, Jan 1954

Abstract : An idea is presented for the distillation of salt waters of Soviet desert lakes by freezing in order to make it more palatable for human and animal consumption. The idea is based on numerous observations of polar expeditions which show that sea ice is less salty than sea water. So far no actual experiments were made to bring this idea into practice.

Institution : Academy of Sciences USSR, Institute of Geography

Submitted : .....

GELLER, S.Yu.

Deep depressions of Mangyshlak and their possible industrial utilization. Izv.AN SSSR Ser.geog. no.2:45-52 Mr-Ap '54. (MLRA 7:5)

1. Institut geografii Akademii nauk SSSR.
(Mangyshlak Peninsula--Hydraulic engineering) (Hydraulic engineering--Mangyshlak Peninsula)

VIKTOROV, S.V.; GELLER, S. Yu., doktor geograficheskikh nauk; redaktor; SOKOLOVA, T.F., tekhn. redaktor.

[Using geobotanical methods in geological and hydrogeological investigations] Ispol'zovanie geobotanicheskogo metoda pri geologicheskikh i gidrogeologicheskikh issledovaniiakh. Moskva, Izd-vo Akademii nauk SSSR, 1955. 197 p. (MLRA 8:7)
(Geology) (Geobotany)

GELLER, S.Yu.

MURZAYEV, E.M., doktor geograficheskikh nauk, redaktor; PAVLOVSKIY, Ye.N., akademik, redaktor; GRUMM-GRZHIMAYLO, redaktor; GELLER, S.Yu.; GERASIMOV, akademik; KALESNIK, S.V.; LINDBERG, G.Yu.; MARKOV, K.K. MURZAYEV, E.M.; NIKOL'SKIY, G.V.; NIKOL'SKAYA, V.V.; OBRUCHEV, D.V.; SVETOVIDOV, A.N. SMIRNOVA, A.V., tekhnicheskiy redaktor

[In memory of Academician L.S.Berg; a collection of works on geography and biology] Pamiati akademika L.S.Berga; sbornik rabot po geografii i biologii, Moskva, Izd-vo Akademii nauk SSSR, 1955. 562p. (MIRA 9:1)

1. Akademiya nauk SSSR. 2. Chlen-korrespondent AN SSSR (for Kalesnik, Nikol'skiy, Svetovidov)
(Berg, Lev Semenovich, 1876-1950) (Biology) (Geography)

GELLER, S. Yu.

"Transactions of the Institute of Oceanology of the Academy of Sciences of the U.S.S.R." vol.10, 1954. Reviewed by S.Iu.Geller. Izv. AN SSSR. Ser.geog. no.5:81-83. S-O '55. (MLRA 9:1)
(Oceanography--Periodicals)

USSR/ Geology - Surface formations

Card 1/1 : Pub. 86 - 17/35

Authors : Geller, S. Yu., Dr. Geog. Sc.

Title : Depressions in the desert without outlet

Periodical : Priroda 44/2, 96 - 98, Feb 1955

Abstract : The origin of depressions found in the desert, west of the Nile river and in Russia, near the Caspian sea was studied. The theory that these were caused by the wind is contested.

Institution : The Acad. of Sc., USSR, Geographic Institute

Submitted : .....

BERG, Lev Semenovich, akademik; GELLER, S.Yu.; GERASIMOV, I.P., akademik; GRIGOR'YEV, A.A., akademik; KALESNIK, S.V.; LINDBERG, G.U.; MARKOV, K.K.; MURZAYEV, E.M., doktor geograficheskikh nauk, otvetstvennyy redaktor; NIKOL'SKIY, G.V.; NIKOL'SKAYA, V.V.; OBRUCHEV, D.V.; PAVLOVSKIY, Ye.N., akademik; SVETOVIDOV, A.N.; BOLYNSKAYA, V.S., redaktor izdatel'stva; KASHINA, P.S., tekhnicheskiy redaktor; ZEMLYAKOVA, T.A., tekhnicheskiy redaktor

[Selected works] Izbrannye trudy. Moskva, Izd-vo Akademii nauk SSSR. Vol.1. [The history of science] Istoriia nauki. 1956. 394 p. (MLRA 9:9)

1. Chlen-korrespondent AN SSSR (for Kalesnik, Nikol'skiy, G.V., Svetovidov)
(Science--History)

GELLER, S.YU.

SHCHEGLOVA, Tat'yana Nikolayevna; GELLER, S.Yu., doktor geograficheskikh nauk, otvetstvennyy redaktor; [illegible]VA, Ye.V., redaktor; KOSHELEV, S.M., tekhnicheskiy redaktor

[Vietnam; physical and geographical characteristics] V'etnam; fiziko-geograficheskaia kharakteristika. Moskva, Gos.izd-vo geogr. lit-ry, 1957. 182 p. (MLRA 10:8)
(Vietnam--Physical geography)

BERG, Lev Semenovich, akad., red.; GELLER, S.Iu., doktor geograficheskikh nauk, otv. red.; GERASIMOV, I.P., akad., red.; GRIGOR'YEV, A.A., akad., red.; KALESNIK, S.V., red.; LINDBERG, G.U., red.; MARKOV, K.K., red.; MURZAYEV, E.M., red.; NIKOL'SKIY, O.V., red.; NIKOL'SKAYA, V.V., red.; OBRUCHEV, D.V. red. PAVLOVSKIY, Ye.N., akad., red.; SVETOVIDOV, A.N., red.; SPRYGINA, L.I., red. izd-va.; KUZ'MIN, I.F., tekhn. red.

[Selected works] Izbrannye trudy. Moskva, Izd-vo Akad. nauk SSSR. Vol. 2. [Physical geography] Fizicheskaia geografiia. 1958. 425 p. (MIRA 11:11)

1. Chlen-korrespondent AN SSSR (for Kalesnik, Nikol'skiy, Svetovidov). (Physical geography)

GELLER, S.Yu.; ZIMINA, R.P.; KEMMERIKH, A.O.; KUNIN, V.N.; KUVSHINOVA, K.V.; MURZAYEV, E.M., doktor geograf.nauk; RYAZANTSEV, S.N.; FORMOZOV, A.N.; FREYKIN, Z.O.; CHUBUKOV, L.A.; ZABIROV, R.D.; KOROVIN, Ye.P.; ROZANOV, A.N.; RODIN, L.Ye.; RUBTSOV, N.I.; SPYGINA, L.I., red. izd-va; POLENOVA, T.P., tekhn.red.

[Central Asia; its physical geography] Sredniaia Aziia; fiziko-geograficheskaia kharakteristika. Moskva, 1958. 647 p. (MIRA 11:6)

1. Akademiya nauk SSSR. Institut geografii. 2. Institut geografii Akademii nauk SSSR (for Geller, Zimina, Kemmerikh, Kunin, Kuvshinova, Murzayev, Ryazantsev, Formozov, Freykin Chubukov). 3. Akademiya nauk Kirgizskoy SSR (for Zabirov). 4. Akademiya nauk Uzbekskoy SSR (for Korovin). 5. Pochvennyy institut AN SSSR (for Rozanov). 6. Botanicheskiy institut AN SSSR (for Rodin). 7. Akademiya nauk Kazakhskoy SSR (for Rubtsov)
(Soviet Central Asia--Physical geography)

GELLER, S.Yu.; MAKKAVEYEV, N.I.

Conference on Geomorphological Problems. Izv.AN SSSR.Ser.geog. no.5:141-144 S-O '58. (MIRA 11:12)
(Geographical research)

KUNIN, Vladimir Nikolayevich; GELLER, S.Yu., doktor geograf.nauk, otv. red.; VOLYNSKAYA, V.S., red.izd-va; KASHINA, P.S., tekhn.red.

[Local water supply in deserts and problems in using it] Mestnye vody pustyni i voprosy ikh ispol'zovaniia. Moskva, Izd-vo Akad.nauk SSSR, 1959. 281 p. (MIRA 12:5)
(Water supply) (Deserts)

OSTROVSKIY, I.M.; KELLER, S.Yu., doktor geograf.nauk, otv.red.; SPRYGINA, L.I., red.izd-va; TIKHOMIROVA, S.G., tekhn.red.

[Relief of sands in the western area of the low-lying part of Kara Kum] Rel'ef peskov zapadnoi chasti Nizmennykh Karakumov. Moskva, Izd-vo Akad.nauk SSSR, 1960. 92 p. (MIRA 13:7)

(Kara Kum--Sand) (Kara Kum--Winds)

MESHCHERYAKOV, Yu.A.; GELLER, S.Yu., doktor geograf.nauk, otv.red.; SPRYGINA, L.I., red.izd-va; ASTAF'YEVA, G.A., tekhn.red.

[Morphological structure of plains and platforms] Morfostruktura ravninno-platformennykh oblastei. Moskva, Izd-vo Akad.nauk SSSR, 1960. 109 p. (MIRA 13:6)
(Geology, Structural)

KORZHUYEV, Sergey Sergeyevich; GELLER, S.Yu., doktor geograf.nauk, otv. red.; TUGARINOV, D.M., red.izd-va; VOLKOVA, V.V., tekhn.red.

[Relief of the Pripyat' Poles'ye Region; structural characteristics and main features of the development] Rel'ef Pripiatskogo Poles'ia; strukturnye osobennosti i osnovnye cherty razvitiia. Moskva, Izd-vo Akad.nauk SSSR, 1960. 139 p. (MIRA 13:3)
(Pripyat' Valley--Geology, Structural)

GELLER, S.Yu., doktor geograf.nauk, otv.red.; SEMILOVA, M.N., red.izd-va; POLYAKOVA, T.V., tekhn.red.

[Fluctuations and variations in streamflow] Kolebaniia i izmeneniia rechnogo stoka. Moskva, 1960. 166 p. (MIRA 14:2)

1. Akademiya nauk SSSR. Institut geografii.
(Hydrology)

MARKOV, Konstantin Konstantinovich; GELLER, S.Yu., prof., red.; KHAKIMOV, V.Z., red.; GEORGIYEVA, G.I., tekhn.red.

[Paleogeography; historical geography] Paleogeografiia; istoricheskoe zemlevedenie. Pod red. S.IU.Gellera. Izd.2., perer. Moskva, Izd-vo Mosk.univ., 1960. 266 p. (MIRA 13:12)

(Paleogeography)

GERASIMOV, I.P.; GELLER, S.Yu.; DUMITRASHKO, N.V.; KAMANIN, L.G.; KORZHUYEV, S.S.; [redacted]; FEDOROVICH, B.A.

In memory of Academician N.S.Shatskii. Izv. AN SSSR. Ser. geog. no.6:146-147 N-D '60. (MIRA 13:10)
(Shatskii, Nikolai Sergeevich, 1895-1960)

MESHCHERYAKOV, Yu.A.; GELLER, S.Yu., doktor geograf. nauk, otv. red.; POPOVA, L.N., red. izd-va; VOLKOVA, V.V., tekhn. red.

[Recent tectonic movements and erosive-accumulative processes in the northwestern part of the East-European Plain] Molodye tektonicheskie dvizheniia i erozionno-akkumuliativnye protsessy severo-zapadnoi chasti Russkoi ravniny. Moskva, Izd-vo Akad.nauk SSSR, 1961. 86 p. (MIRA 15:1)
(East-European Plain--Geology, Structural)

PIOTROVSKIY, Vladimir Vladimirovich; PODOBEDOV, N.S., prof., retsenzent; BOGOMOLOV, L.A., dotsent, retsenzent; GELLER, S.Yu., doktor geograf. nauk, retsenzent; BLAGOVOLIN, N.S., nauchnyy sotrudnik, retsenzent; BOGDANOVA, N.M., nauchnyy sotrudnik, retsenzent; DOSKACH, A.G., nauchnyy sotrudnik, retsenzent; ZHIVAGO, A.V., nauchnyy sotrudnik, retsenzent; RANTSMAN, Ye.Ya., nauchnyy sotrudnik, retsenzent; NIKOLAYEV, N.I., prof., retsenzent; DOBROVOL'SKIY, V.V., dotsent, retsenzent; VOSKRESENSKIY, S.S., red.; SHAMAROVA, T.A., red.izd-va; PREYS, E.M., tekhn.red.

[Geomorphology and fundamentals of geology] Geomorfologiia s osnovami geologii, Riga, Izd-vo geodez.lit-ry, 1961. 283 p. (MIRA 14:12)

1. Nachal'nik otdela geomorfologii Instituta geografii AN SSSR (for Geller). 2. Otdel geomorfologii Instituta geografii AN SSSR (for Blagovolin, Bogdanova, Doskach, Zhivago, Rantsman).
(Geomorphology) (Geology)

GELLER, S.Yu.

Regulating the Caspian Sea level. Izv. AN SSSR. Ser. geog. no.5:42-48 S-O '61. (MIRA 14:9)

1. Institut geografii AN SSSR.
(Caspian Sea) (Pechora River--Regulation)
(Vychegda River--Regulation)

GELLER, S.Yu., doktor geogr. nauk, otv.red.; TIKHOMIROV, V.N., red. izd-va; NOVICHKOVA, N.D., tekhn. red.

[Paleogeographical and geomorphological problems of the Volga and Ural Basins] Voprosy paleogeografii i geomorfologii basseinov Volgi i Urala. Moskva, Izd-vo Akad. nauk SSSR, 1962. 194 p. (MIRA 15:8)

1. Akademiya nauk SSSR. Institut geografii.
(Volga-Ural region—Paleogeography)
(Volga-Ural region—Geomorphology)

GELLER, S.Yu.

Salt water softening by natural freezing in agricultural production. Izv. AN SSSR. Ser. geog. no.5:71-77 S-O '62. (MIRA 15:10)

1. Institut geografii AN SSSR.
(Water—Softening) (Ice)

POTEKHIN, I.I., glav. red.; BARANOV, A.N., red.; BELYAYEV, Ye.A., red.; GELLER, S.Yu., red.; GRAVE, L.I., st. nauchnyy red.; GRIGOR'YEV, A.A., red.; GUBER, A.A., red.; KULAGIN, G.D., red.; MALIK, Ya.A., red. MANCHKHA, P.I., red.; MILOVANOV, I.V., red.; NERSESOV, G.A., red.; OL'DEROGGE, D.A., red.; ORLOVA, A.S., red.; POPOV, K.M., red. ROZIN, M.S., kand. ekon. nauk, red.; SMIRNOV, S.R., red.; UFIMOV, I.S., red.; SHVEDOV, A.A., red.; YASTREBOVA, I.P., red.; PAVLOVA, T.I., tekhn. red.

[Africa; encyclopedia] Afrika; entsiklopedicheskii spravochnik. Glav. red. I.I.Potekhin. Chleny red. kollegii: A.N.Baranov i dr. Moskva, Vol.1. A - L. 1963. 474 p. (MIRA 16:4)

1. Sovetskaya entsiklopediya, Gosudarstvennoye nauchnoye izdatel'stvo, Moscow.

(Africa—Dictionaries and encyclopedias)

GELLER, S.Yu.

Role of desalting in the water resources balance of arid regions.
Izv. AN SSSR. Ser. geog. no.1:24-35 Ja-F '64. (MIRA 17:3)

1. Institut geografii AN SSSR.

VENDROV, S.L.; GELLER, S.Yu.; ZHIVAGO, A.V.

Awarding the Lenin Prize to V.P. Zenkovich for scientific work "A monograph on seacoasts". Izv. AN SSSR. Ser. geog. no.5:89-91 S-O '64. (MIRA 17:11)

OLYUNIN, Vladimir Nikolayevich; GELLER, S.Yu., doktor geogr. nauk, otv. red.

[Recent tectonics and glaciation of the Eastern Sayan Mountains] Neotektonika i oledenenie Vostochnogo Saiana. Moskva, Nauka, 1965. 125 p. (MIRA 18:4)

SUKACHEV, V.N.; BOGDANOV, A.A.; IVANOVA, I.K.; LAZUKOV, G.I.; NIKOLAYEV, N.I.; YAKUSHOVA, A.F.; GELLER, S.Yu.; GRICHUK, V.P.; KOLESNIK, S.V.; SOKOLOV, N.N.; LICHKOV, B.L.; GORETSKIY, G.I.; SHCHUKIN, I.S.; BYKOV, V.D.; SAUSHKIN, Yu.G.; GLAZOVSKAYA, M.A.; GVOZDETSKIY, N.A.; TUSHINSKIY, G.K.

Konstantin Konstantinovich Markov's role in the creation and development of the paleogeography of the anthropogenic (the Quaternary) period; on his 60th birthday and the 40th anniversary of scientific work. Izv. Vses. geog. ob-va 97 no.4:377-379 Jl-Ag '65. (MIRA 18:8)

AVSYUK, G.A.; ARMAND, D.L.; VENDROV, S.L.; GELLER, S.Yu.; GERASIMOV, I.P.; GRIGOR'YEV, A.A.; GRICHUK, V.P.; DZERDZEYEVSKIY, B.L.; KAMANIN, L.G.; ISAKOV, Yu.A.; LEONT'YEV, N.F.; L'VOVICH, M.I.; MURZAYEV, E.M.; NEYSHTADT, M.I.; RIKHTER, G.D.; SOBOLEV, L.N.

On Academician Vladimir Nikolaevich Sukachev's 85th birthday.
Izv. AN SSSR. Ser. geog. no.4:3-4 Jl-Ag '65.
(MIRA 18:8)

GELLER, S.Ya.; GERASIMOV, I.P.; KAMANIN, L.G.; KES', A.S.; KINITSYN, L.F.; MURZAYEV, E.M.; NITSNTAUT, M.I.; NEFED'YEVA, Ye.A.; NIKOL'SKAYA, V.V.; PREOBRAZHENSKIY, V.S.; RIKHTER, G.D.; ROSSOLIMO, L.L.; SIL'VESTROV, S.I.

David L'vovich Armand's 60th birthday (1905-). Izv. AN SSSR. Ser. geog. no.6:141-142 N-D '65. (MIRA 18:11)

ARMAND, D.L.; BUDAGOVSKIY, A.I.; VENDROV, S.L.; VITVITSKIY, G.N.; GELLER, S.Yu.; GERASIMOV, I.P.; DZERDZEYEVSKIY, B.L.; GLUKH, I.S.; GRIGOR'YEV, A.A.; DANILOVA, N.A.; ZHIVAGO, A.V.; KEMMERIKH, A.O.; KRAVCHENKO, D.V.; KUVSHINOVA, K.V.; MEDVEDEVA, G.P.; RAUNER, Yu.L.; CHUBUKOV, L.A.

Aleksandr Petrovich Gal'tsov, 1909-1965; an obituary. Izv. AN SSSR. Ser. geog. no.6:145 N-D '65. (MIRA 18:11)

GELLER, T. I.

Rubber Abst.
Vol. 31
Nov. 1953
Crude Rubber

4426. Plastic properties of high polymers. V. E. GUL and T. I. Geller. Kolloid. Zhur., 1953, 15, 85-90; Chem. Abs., 1953, 47, 7813. An equation for the viscosity of a polymer in terms of the rate of plastic extension of a specimen at a constant true stress is given. Smoked sheet with mol. wt. 183,000 was first extended, keeping the ratio of force to the cross-section constant. Thus the increase time of the total, plastic, and high-elastic deformation was determined. The specimen was extended again, keeping constant the ratio of force to the cross-section as it would have been in the absence of high-elastic deformation. From these measurements and the equation referred to above, the viscosity was 2.5×10^9 poises.

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T.I.

3

USSR.

937. Plastic properties of high polymers. V. I. GUL and T. I. GELLER. *Colloid J. USSR*, 1953, 15, 91-6; *Chem. Abs.*, 1954, 48, 13269. Cf. this journal, 1953, abs. 4426. An English translation of this paper now appears. 33422

15 (7), 15 (9)

AUTHORS: Dogadkin, B. A., Sandomirskiy, D. M., Rasshivalina, K. I., Geller, T. I.

SOV/64-59-5-8/28

TITLE: Production and Properties of a Varnish for Rubber Shoes by Oxidation of Sodium Butadiene Rubber in Solution

PERIODICAL: Khimicheskaya promyshlennost', 1959, Nr 5, pp 398 - 401 (USSR)

ABSTRACT: A. I. Tsvetkov, S. I. Khodosh, and O. V. Baksht participated in the development of the process. In the oxidation of polybutadiene rubber or a vulcanizate of sodium butadiene rubber an oxidation product may be obtained which is utilized as a film former or serves for the manufacture of adhesive substances. Oxidation experiments were carried out with sodium butadiene rubber solutions in white spirit in order to obtain a varnish for rubber shoes on this basis. The oxidation experiments were made during a continuous passage of air through the solution. A temperature of 120° proved to be most suitable when using 11-12% solutions. The course of the process was determined as to the viscosity of the solution (Figs 3,4). Since a temperature increase does not only accelerate the destruction but also the structure formation, various substances such as ferric oleate, or ferric stearate, 2% captax + 5% benzoic acid, as well

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as pure benzoic acid, polyphenols, RPA-2, "renatsite", etc, were investigated. The most effective substances were the two iron salts (3.5 parts by weight/100 parts by weight (sodium butadiene rubber)) with the aid of which the desired consistency of the 12% solution of 16 centipoises in 8 hours at 100° (instead of within 15-16 hours at 120°) was attained, thus forming considerably less peroxide groups and volatile acids. 40 l/hour per 1 kg of solution was found as the optimum air supply velocity (at 100-120°) (Fig 5). Experiments with iron isotopes showed that in the oxidation iron is linked completely to sodium butadiene rubber, i.e. it does not only act as oxygen carrier (which needs further experiments). The influence exerted by the oxidation period on the properties of the finished varnish film (Fig 6, diagrams) was investigated. The best results were obtained from a varnish to which ferric stearate, 2% sulphur, and 2% thiuram (or 4% butyl cymate or 2% carbonblack) were added since said varnish dries at 100° in 30 minutes (and at 70° in 50 minutes with butyl cymate or carbonblack) and exhibits a correspondingly good adhesion on rubber shoes. On

Production and Properties of a Varnish for Rubber Shoes by Oxidation of Sodium Butadiene Rubber in Solution

SOV/64-59-5-8/28

the basis of the results obtained in the zavod "Krasnyy Bogatyr" ("Krasnyy Bogatyr" Plant) a suitable plant was designed for the production of a varnish for noncured rubber shoes (Fig 8). A description of the plant is given. There are 8 figures and 6 Soviet references.

Card 3/3

L 25739-65 EPF(c)/EWP(j)/EWT(m) Pc-4/Pr-4 RM S/0069/63/025/003/0291/0298

ACCESSION NR: AP3001567

AUTHOR: Geller, T. I.; Sandomirskiy, D. M.; Ustinova, Z. M.; Fodiman, N. M.; Dogadkin, B. A.

TITLE: Certain features of the vulcanization of rubber in latex form

SOURCE: Kolloidnyy zhurnal, v. 25, no. 3, 1963, 291-298

TOPIC TAGS: rubber vulcanization, latex, rubber research, rubber mixture

ABSTRACT: Since the addition of sulfur to rubber in latex may occur as a result of the collision of rubber globules, dispersed sulfur particles, and zinc oxide, all the factors which increase the number of such collisions or their efficiency should accelerate the vulcanization of rubber in the latex. This article shows the results of investigation of the effect of concentrating vulcanizing agents, the rate of stirring, temperature, the properties of globule protective layers and the order of addition of ingredients. The work was conducted with natural latex concentrate produced by centrifuging and stabilized with ammonia. The content of solid was 60.2%, pH=10.45 and the surface tension was 45.1 dynes/cm. ZnO and S were introduced into the latex in the form of aqueous suspensions. Vulcanization was carried out in a closed flask in a 70° C water bath. It was found that with

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L 25739-65
ACCESSION NR: AP3001567

an increase in the concentration of sulfur and ZnO in the latex mixture the rate of vulcanization increases. An increase in the concentration of water soluble accelerator (sodium diethyldithiocarbamate) has practically no effect on the rate of vulcanization. At a certain value, more intense stirring of the latex mixture leads to acceleration of vulcanization. An increase in temperature increases the vulcanization rate. Vulcanization is accelerated with a decrease in the thickness of the globule protective layer. Zinc oxide reacts with serum components in the latex mixture, forming rubber soluble substances which in turn accelerate the addition of sulfur. The addition proceeds faster in latex than in a dry film of the same composition. The formation of space lattice occurs at early stages of vulcanization. It is concluded that all factors which enhance the number of collisions of particles in the latex mixture and the efficiency of their collisions as well as aid the transfer of vulcanizing agents into rubber soluble substances accelerate vulcanization. Orig. art. has: 7 figures.

ASSOCIATION: Moskovskiy institut tonkoy khimicheskoy tekhnologii im. M. V. Lomonosova (Moscow Institute of Fine Chemical Technology)

SUBMITTED: 30Dec62 ENCL: 00 SUB CODE: MT, GC

NO REF SOV: 004 OTHER: 002

Card 2/2

USTINOVA, Z.M.; FODIMAN, N.M.; GELLER, T.I.; SANDOMIRSKIY, D.M.; DOGADKIN, B.A.

Some particular features of the vulcanization of rubbers as latexes. Part 2: Part played by zinc oxide and by protective substances. Koll. zhur. 27 no.5:773-779 S-O '65. (MIRA 18:10)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni Lomonosova.

S/137/62/000/002/072/14[illegible]
A006/A101

AUTHOR: Geller, V.

TITLE: Hydrogen in iron and its alloys

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 2, 1962, 32 - 33, abstract 2I194 (V sb. "Korrozion. rastreskivaniye i khrupkost'", Moscow, Mashgiz, 1961, 154 - 165)

TEXT: To carry out a quantitative analysis of hydrogen dissolved in Fe, it is imperative to remove at first H from the metal. This can be achieved by the following methods: 1) heating in a vacuum; b) melting in a vacuum; c) melting in a vacuum in a tin bath. To determine the amount of gas liberated, pressure, volume, and the degree of gas oxidation to water vapor should be measured. The rate of hydrogen absorption, and its diffusion in Fe and steel depend on As, P, S admixtures, and their compounds act as catalyzers during the penetration of H into the Fe lattice. A theoretical review on H behavior in metals is given. There are 28 references.

[Abstracter's note: Complete translation]

Ye. Layner

Card 1/1

GELLER, V. A.

"Rational Type of Wooden Latticework for the Roofs of Industrial Buildings in the Metal-Processing Industry." Thesis for degree of Cand Technical Sci. Sub. 19 Sep 50, Central Sci Res Inst of Industrial Structures

Summary 71, 4 Sep 52, Dissertations Presented for Degrees in Science and Engineering in Moscow in 1950. From Vechernyaya Moskva, Jan-Dec 1950.

GELLER, V.A., inzh; LEVIT, M.A., inzh.

Experimental elements of reinforced concrete submerged gates of hydroelectric power stations. Gidr. stroi. 32 no.8:31-36 Ag '62. (MIRA 15:9)

(Gates, Hydraulic) (Precast concrete)

GELLER, V.D.; YAKOVLEVA, A.V.

Utilization of soluble antigen of dysentery bacteria for enteral immunization. Zhur.mikrobiol.epid.i immun. no.4:30-35 Ap '54. (MLRA 7:5)

1. Iz otdela meditsinskoy mikrobiologii (zaveduyushchiy - professor V.L.Troitskiy) Institut epidemiologii i mikrobiologii im. pochetnogo akademika N.F.Gamalei Akademii meditsinskikh nauk SSSR (direktor - professor V.D.Timakov).

(Dysentery--Preventive inoculation) (Antigens and antibodies)

L 22607-66 EWT(m)/EWP(j)/T RM

ACC NR: AP6005834 SOURCE CODE: UR/0374/65/000/006/0146/0151

AUTHOR: Geller, V. E. (Kalinin); Vysotskaya, Z. P. (Kalinin); Ayzenshteyn, E. M. (Kaliuin); Petukhov, B. V. (Kalinin) 52 B

ORG: none

TITLE: Investigation of orientational drawing of lavsan monofilament

SOURCE: Mekhanika polimerov, no. 6, 1965, 146-151

TOPIC TAGS: polyester plastic, polyethylene plastic, physical chemistry property, heat effect, temperature dependence, drawing, synthetic fiber

ABSTRACT: The paper represents an investigation and comparison of two versions of orientational drawing of lavsan monofilament, one being the conventional method of hot water drawing based on the difference in speeds of rotating discs and the other, the method of drawing the fiber through the hole of a draw plate. The nature of tensile and structural properties has been studied in the

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temperature range of 70 to 100C. Orig. art. has: 9 figures. [Based on author's abstract]

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Card 2/2 dw

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