AID Nr. 983-11 5 June

SURFACE TENSION OF NORMAL ALKANES [Cont'd] S/204/63/003/002/001/006

where M is the molecular weight, a and b are constants, and T is temperature in °K. This formula is valid not only for alkanes, but also for alkenes, alkynes, arenes, and cyclic hydrocarbons at temperatures from the melting point to the boiling point. The temperature coefficient of surface tension for normal alkanes varies from 0.08 to 0.12. There were no anomalies near the melting point. The parachor values diminished at low temperatures. The parachor temperature coefficient was 0.03 for hexane and 0.05 for octane and decane. [EDW]

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L 13326-63 EPR/EWP(j)/EPF(c)/EWT(m)/BDS Ps-4/Pc-4/Pr-4 RM/WW

ACCESSION NR: AP3002771 S/0204/63/003/003/0310/0313 72 71

AUTHOR: Ben'kovskiy, V. G.; Bogoslovskaya, T. M.; Kiyko, L. D.; Nauruzov, M. Kh.

TITLE: Index of refraction of normal alkanes at low temperatures

SOURCE: Neftekhimiya, v. 3, no. 3, 1963, 310-313

TOPIC TAGS: refraction index, normal alkane, IRF-22 refractometer, hexane, heptane, octane, nonane, decane, undecane, normal alkane refraction index

ABSTRACT: The measurement of the index of refraction at low temperatures presents a great difficulty. The condensation of moisture on the prisms hinders the measurement. The use of special plastics, as suggested by others, proved to be a failure in this experiment at a temperature below 243K. A new and simple method has been proposed in determining refractive indexes at low temperatures with an IRF-22 refractometer. The refractometer was hermetically sealed inside a methylmethacrylate box inside of which were placed moisture absorbents which absorbed the moisture condensed on a copper cooling coil before this moisture had a chance to condense on the prisms. This arrangement made possible a measurement of the refractive index at temperatures as low as 160K. The refractive indexes of the following normal alkanes were measured: hexane, heptane, octane, nonane, decane,

Card 1/2

L 13326-63

ACCESSION NR: AP3002771

and undecane. Measurements were carried out at temperatures ranging from 293K to crystallization temperature. Dependent refractive index has been confirmed for normal alkanes up to their crystallization temperature. It has been shown that, with a decrease in temperatures, the molecular refraction of normal alkanes decreases uniformly up to their crystallization temperature. Orig. art. has: 3 tables.

ASSOCIATION: Institut khimii nefti i prirodny*kh soley AN Kaz.SSR (Institute of Petroleum Chemistry and Natural Salts, AN Kaz.SSR)

SUBMITTED: 18Aug62 DATE ACQ: 23Jul63 ENCL: 00

SUB CODE: 00 NO REF SOV: 005 OTHER: 003

Card 2/2

BEN'KOVSKIY, V.G.; BOGOSLOVSKAYA, T.M.; DRIZO, Ye.A.

Ion-exchange resins from heavy residues of petroleum refining.
Vest. AN SSSR 33 no.7:56-58 Jl '63. (MIRA 16:8)
(Ion exchange resins) (Petroleum products)

BOGOSLOVSKAYA, Ye.I.

Corpus luteum in the gonads of fishes. Nauch. dokl. vys. shkoly; biol. nauki no.1:21-26 '60. (MIRA 13:2)

1.Rekomendovana kafedroy ikhtiologii Moskovskogo gosudarstvennogo universiteta im. M.V. Lomonosova.
(CORPUS LUTEUM) (FISHES--ANATOMY)

BOGOSLOVSKAYA, Ye. V.

"Physiological and Biochemical Properties of Cotton Plants Adapted Before Sowing to Salting," Sub. 23 Jan 47, Moscow Oblast Pedagogical Inst.

Dissertations presented for degrees in science and engineering in Moscow in 1947.

SO: Sum.No.457, 18 Apr 55

CA Bogoslovskaya, Ye. V.

II-D

Effect of propionating adaptation of the cotton plant to salts on protoplasm permeability. E. V. Bogoslovskaya. *Trudy Inst. Fiziol. Rastenii im. K. A. Timiryazeva* 7, No. 1, 163-73(1950).—Permeability of protoplasm to KCNS, KCl, and NaCl was examd. with specimens of cotton plant whose seeds were pretreated with van't-Hoff-Richter solns. In KCNS a concave plasmolysis up to 40 min. in duration indicated severe loss of permeability. The least loss occurs in cotyledons and the 1st leaves; at bud-forming stage the effect declines sharply. Results with NaCl and KCl correspond to those with KCNS. The respiration and the activity of oxidation-reduction enzyme systems are similarly reduced by the seed pretreatment.

G. M. Kosolapoff

BOGOSLOVSKIY, A.

Conference of representatives of the socialist countries on problems of coordination of research in the field of health resort therapy and physiotherapy. Vop.kur., fizioter.i lech.fiz.kul't. 27 no.3:276-282 My-Je '62. (MIRA 15:9)

1. Uchenyy sekretar' TSentral'nogo instituta kurortologii i fizioterapii.
(THERAPEUTICS, PHYSIOLOGICAL--CONGRESSES)

BOGOSLOVSKIY, A.

The bottom of the Indian Ocean. Tekh.mol. 30 no.1:6 '62. (MIRA 15:2)

(Indian Ocean—Ocean bottom)

BOGOSLOVSKIY, A.A.

Health resorts of the U.S.S.R. Nauka i zhizn' 22no.9:48-50 S'55. (MLRA 8:12)

1. Uchenyy sekretar' TSentral'nogo instituta kurortologii
(Health resorts, watering places, etc.)

BOGOSLOVSKIY, A. A.

How to relax better. Mast. ugl. 7 no. 6:31 Je '58. (MIRA 11:7)

1. Uchenyy sekretar' TSentral'nogo nauchno-issledovatel'skogo instituta kurortologii.
(Miners--Diseases and hygiene)

BOGOSLOVSKIY, A.A.

BOGOSLOVSKIY, A.A.

Session of the Central Institute of Health Resorts devoted to reports. Vop.kur.fizioter. i lech.fiz. kul't. 23 no.1:90-92 '58. (MIRA 10:3)

(HEALTH RESORTS, WATERING PLACES, ETC.)

BOGOSLOVSKIY, A.A.

Session of the State Institute of Resort and Physical Therapy in Moscow. Vop.kur.,fizioter.i lech.fiz.kul't. 25 no.1:85-86 '60. (MIRA 13:5)

1. Uchenyy sekretar' Instituta kurortologii i fizioterapii v Moskve.
(ARTERIOSCLEROSIS) (RADON--THERAPEUTIC USE)

PERTSOV, A.N.; BOGOSLOVSKIY, A.A.

Report session of the Research Institute on Health Resort therapy and Physical Therapy of the Ministry of Public Health of the R.S.F.S.R. Vop. kur., fizioter. i lech. fiz. kul't. 26 no.1:91-94 '61. (MIRA 14:5)

(PHYSICAL THERAPY)

VINOGRADOVA, M.R.; BOGOSLOVSKIY, A.A.

Effect of Borzhomi mineral water on the motor-evacuatory and secretory functions of the stomach (X-ray study). Vop. kur., fizioter. i lech. fiz. kul't. 26 no.5:431-436 S-O '61. (MIRA 14:11)

1. Iz TSentral'nogo instituta kurortologii Ministerstva zdravookhraneniya RSFSR (dir. - kand.med.nauk G.N.Pospelova).
(BORZHOMI—MINERAL WATERS) (STOMACH—SECRETIONS)

PLOTUSHCHIKHIN, K.Ye.; BOGOSLOVSKIY, A.A.

Annual meeting of the Central Institute of Balneology and Physiotherapy. Vop.kur., fizioter.i lech.fiz.kul't. 27 no.2:183-186 Mr-Ap '62. (MIRA 15:11)

(HEALTH RESORTS, WATERING PLACES, ETC.)
(THERAPEUTICS, PHYSIOLOGICAL)

BOGOSLOVSKIY, A. I.

"Effect of Local Preliminary Excitation of the Retina on the Process of the Following Visual and Electrical Sensations of the Eye", Fiziolog. Zhurnal SSSR, Vol. 19, 1935.

No 4

BOGOSLOVSKIY, A. I.

"Zur Frage der Beziehungen Zwischen Unterscheidung, Erkennen und Differenzierungshemmung," Zhur. Fiz., Vol.28, No. 4, pp 283-91, 1940

"Der Einfuss von Seharbeit auf Einige Sensorische Funktionen des Auges," ibid., pp 292-302, 1940

BOGOSLOVSKIY, A.I., and KRAVKOV, S.V.

"Effects of Noise of Aircraft Engine on Visions" Probl. Fiziol. Optiki, Vol I, publ of Acad of Sci of USSR 1941 pp 69-75
ONI

BOGOSLOVSKIY, A.I.; SEMENOVSKAYA, Ye.N.

Conditioned changes in the human electroretinogram. Biul. eksp. biol. i med. 47 no.3:3-7 Mr '59. (MIRA 12:7)

1. Iz laboratorii fiziologicheskoy optiki imeni S.V. Kravkova (rukovoditel'-kandidat med. nauk A.V. Roslavtsev) Gosudarstvennogo nauchno-issledovatel'skogo instituta glaznyk bolezney imeni Gel'mgol'tsa (dir. - kandidat med. nauk A.V. Roslavtsev), Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR V.V. Parinym.

(REFLEX, CONDITIONED
conditioned changes of human electroretinogram (Rus))
(RETINA, physiol.
same)

GARKAVI, R.A.; BOGOSLOVSKIY, A.I.

Surgical therapy of old retinal detachment [with summary in English]. Vest.oft. 72 no.1:18-26 Ja-F '59. (MIRA 12:2)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut glaznykh bolezney imeni Gel'mgol'tsa (dir. A.V. Roslavtsev).
(RETINAL DETACHMENT, surgery,
of old cases (Rus))

SEMENOVSKAYA, Ye. N.; BOGOSLOVSKIY, A.I.; KHVOLES, G. Ya.

Share of the cortex, the subcortex, and the retina in the act of human conditioned response reproduction of light rhythm [with summary in English]. Vop. psikhol. 6 no.1:99-113 Ja-F '60.

1. Laboratoriya fiziologicheskoy optiki im.S.V. Kravkova Gosudarstvennogo nauchno-issledovatel'skogo instituta glaznykh bolezney im. Gel'mgol'tsa.
(CONDITIONED RESPONSE) (ELECTROPHYSIOLOGY) (CEREBRAL CORTEX)

BOGOSLOVSKIY, A.I.; SEMENOVSKAYA, Ye.N.

Electroretinogram and its clinical significance; survey of foreign literature. Vest. oft. 73 no. 5:44-54 S-O '60. (MIRA 14:1)
(ELECTRORETINOGRAPHY)

ZHDANOV, V.K.; BOGOSLOVSKIY, A.I.; SEMENOVSKAYA, Ye.N.

Electronic low-frequency analyzer and its use in electroretinography. Biul. eksp. biol. i med. 51 no.5:121-124 My '61. (MIRA 14:8)

1. Iz laboratorii fiziologicheskoy optiki imeni S.V.Kravkova (rukovoditel' A.V.Roslavtsev) Nauchno-issledovatel'skogo instituta glaznykh bolezney imeni Gel'mgol'tsa (dir. A.V.Roslavtsev), Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR V.V.Parinym.
(ELECTRORETINOGRAPHY--EQUIPMENT AND SUPPLIES)

SIKHARULIDZE, I.A., zasl. deyatel' nauki, prof., otv. red.; BERADZE, N.I., dots., otv. red.; ARKHANGEL'SKIY, V.N., prof., red.; ABULADZE, V.A., red.; ANTELAVA, D.N., kand. med. nauk, red.; BOGOSLOVSKIY, A.I., doktor biol. nauk, red.; BUNIN, A.Ya., kand. med. nauk, red.; VILENKINA, A., doktor med. nauk, red.; VISHNEVSKIY, N.A., prof., red.; ZARUBIN, G.S., nauchn. sotr., red.; ITSIKSON, L.Ya., kand. med. nauk, red.; KRASNOV, M.L., zasl. deyatel' nauki, prof., red.; MACHARASHVILI, P.D., zasl. vrach Gruz. SSR, red.; PUCHKOVSKAYA, N.A., prof., red.; RABKIN, Ye.B., prof., red.; RSHZHECHITSKAYA, O.V., kand. med. nauk, red.; ROSLAVTSEV, A.V., st. nauchn. sotr., red.; TARTAKOVSKAYA, A.I., kand. med. nauk, red.; FRADKIN, M.Ya., prof., red.; KHAYUTIN, S.M., prof., red.; CHERNYAKOVSKIY, G.Ya., kand. med. nauk, red.; CHKONIYA, E.A., kand. med. nauk, red.; SHATILOVA, T.A., doktor med. nauk, red.; YAKOVLEV, A.A., nauchn.sotr., red.

[Materials of the Second All-Union Conference of Ophthalmologists] Materialy Vsesoiuznoi konferentsii oftal'mologov. Tbilisi, Respublikanskoe nauchn. ob-vo oftal'mologov Gruz.SSR, 1961. 498 p. (MIRA 18:1)

1. Vsesoyuznaya konferentsiya oftal'mologov, 2d, Tiflis, 1961.
2. Chlen-korrespondent AMN SSSR (for Arkhangel'skiy).

BOGOSLOVSKIY, A.M., inzh.; BORISOV, A.V., inzh.; STRELETSKIY, D.N., kand.tekhn.nauk

Analysis of labor required in the mechanized assembly of a "250" mill. Mont. i spets. rab. v stroi. 24 no.7:10-12 Jl '62. (MIRA 15:6)

1. Normativno-issledovatel'skaya stantsiya No.5 i Nauchno-issledovatel'skiy institut stroitel'noy promyshlennosti Ministerstva stroitel'stva RSFSR.
(Cherepovets--Rolling mills)

BOGOSLOVSKIY, A. M.

RUSSIA(1923- U. S. S. R.) Ministerstvo morskogo flota. Glavnoe upravlenie uchebnymi zavedeniiami. Textbook for ship mechanics 3red class on internal combustion engines Dopushcheno dlia kursa kratkosrochnoi podgotovki. Moskva, Morskoi transport, 1952. (Mic 55-3516) Collation of the orginal, as determined from the film: 779 p.

BOGOSLOVSKIY, A. M.

BOGOSLOVSKIY, A. M. -- "The Role of Russian Science and Technology in the History of Shipbuilding." *(Dissertations For Degrees In Science and Engineering Defended at USSR Higher Educational Institutions)(30) Min River Fleet USSR, Gor'kiy Inst of Engineers of River Transport, Odessa, 1954

SO: Knizhnaya Letopis' No 30, 23 July 1955

* For the Degree of Candidate in Technical Sciences.

BOGOSLOVSKIY, A.M.; ANDRUKEVICH, Yu.N., inzhener.

Machine for supplementary braiding and repairing of electric cables used in welding. Stroi. prom. 34 no.9:46 S '56. (MLRA 9:10)

1. Nachal'nik NIS (for Bogoslovskiy)
(Electric cables--Repairing)

ANDROSOV, Boris Innokent'yevich; BOGOSLOVSKIY, Andrey Mikhaylovich; MATVEYEV, Yevgeniy Nikolayevich; PECHENENKO, Viktor Ivanovich; SAPRYKIN, Aleksey Petrovich. Prinimali uchastiye: KOVNER, R.I.; PLAKSIONOV, N.P. LUBOCHKIN, B.I., obshchiy red.; ALEKSANDROV, L.A., red.izd-va; TIKHONOVA, Ye.A., tekhn.red.

[Manual for third-class mechanics of marine steamships] Uchebnoe posobie dlia mekhanika III razriada morskikh parovykh sudov. Pod red. B.I.Lubochkina. Izd.2., perer. Moskva, Izd-vo "Morskoi transport," 1958. 646 p. (MIRA 12:7)
(Steamboats) (Marine engineering)

BOGOSLOVSKIY, Andrey Mikhaylovich; ZDANOVICH, Vasiliy Leont'yevich; MATVEYEV, Yevgeniy Nikolayevich; MUMZI, Georgiy Fedorovich; MSHANETSKIY, Boris Antonovich; NEBESNOV, Viktor Ivanovich; NOVIKOV, Georgiy Nikolayevich [deceased]; NUD'GA, Pavel Korneyevich; SAPRYKIN, Aleksey Petrovich; SACHKOVSKIY, Georgiy Semenovich; FRENK, M.TS., obshchiy red.; MELKYEV, A.S., red.; TIKHONOVA, Ye.A., tekhn.red.

[Textbook for engineers on marine internal combustion engines] Uchebnoe posobie dlia mekhanika III razriada po sudovym dvigateliam vnutrennego sgoraniia. Izd.2., perer. Pod obshchei red. M.TS.Frenka. Moskva, Izd-vo "Morskoi transport," 1959. 711 p. (Marine engineering) (MIRA 12:9)

BOGOSLOVSKIY, A.M.; MASHINSKIY, D.K.; AGUSHEV, Yu.F.; BLAZHEVICH, P.V., otv.red.; PEVZNER, A.S., zav.red.izd-va; OSENKO, L.M., tekhn.red.

[Uniform time and pay standards for construction, assembly, and repair operations in 1960] Edinye normy i rastsenki na stroitel'nye, montazhnye i remontno-stroitel'nye raboty, 1960 g. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam. Sbornik 22. [Welding] Svarochnye raboty. 1960. 79 p. (MIRA 13:6)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Normativno-issledovatel'skaya stantsiya No.5 (NIS-5) Ministerstva stroitel'stva RSFSR (for Bogoslovskiy). 3. TSentral'naya normativno-issledovatel'skaya stantsiya po stroitel'stvu magistral'nykh truboprovodov Glavgaza SSSR "TsNISStroygaz" (for Mashinskiy). 4. TSentral'noye normativno-issledovatel'skoye byuro Ministerstva stroitel'stva elektrostantsiy (for Agushev).
(Wages) (Electric welding) (Gas welding and cutting)

BOGOSLOVSKIY, A.M.; KOSTYUKOV, A.A.; MATYUSHINA, S.P., red.; LAVRENOVA, N.B., tekhn.red.

[Phenomenon of the reciprocal attraction of ships] IAvlenie vzaimnogo prisasyvaniia sudov. Moskva, Izd-vo "Morskoi transport," 1960. 77 p. (MIRA 14:2)
(Collisions at sea) (Ships--Hydrodynamics)

BOGOSLOVSKIY, A. S.

PA 171T31

USSR/Electricity - Magnetic Amplifiers
Power Amplifiers

Oct 50

"Graphical Method of Analyzing and Designing Ferromagnetic Power Amplifiers," A. S. Bogoslovskiy, Cand Tech Sci, Leningrad Polytech Inst imeni Kalinin

"Elektrichestvo" No 10, pp 54-61

Graphical method of analyzing operation of subject amplifiers enables simple and accurate assessment of voltage and power in receiver, given receiver resistance and supply voltage. Method will enable determination of optimum operating conditions for control element and will lead to increased amplification.

171T31

DOGOSLOVSHIY, A.S.

Measuring ground current losses in electrolytic baths. A. S. Dogoslovskii. *Tsvetnye Metally* 1956, No. 4, 77-81.—An equation for the evaluation of current leaks through the ground is developed for periodic control exam. without the need to discontinue the electrolytic process. It is based on periodic location of the displacement of the neutral voltage point of the battery of electrolytic cells when one of the poles is connected to the ground through a known resistance.

I. Bencowitz

BOGOSLOVSKIY, A.S., kand. tekhn. nauk; SHIKANOV, Ye.P., inzh.-kapitan 1 ranga, red.; CHAPAYEVA, R.I., tekhn. red.

[Magnetic amplifiers]Magnitnye usiliteli. Moskva, Voenizdat, 1962. 93 p. (MIRA 15:9)

(Magnetic amplifiers)

BOGOSLOVSKIY, A.S. (Sobinskiy rayon Vladimirskoy oblasti).

Instrument for demonstrating the topic: "Rotary motion." Fiz. v shkole 14 no.2:49 Mr-Ap '54. (MLRA 7:2)

(Mechanical movements)

BOGOSLOVSKIY, A.S.

Use of the students' practical experience in teaching physics. Fiz.v shkole 22 no.1:84-85 Ja-F '62. (MIRA 15:3)

1. Lakinskaya srednyaya shkola Vladimirskoy oblasti.
(Physics--Study and teaching)

BOGOSLOVSKIY, A.S.

Paradicranophorus verae, sp.n. and Lecane chankensis, sp.n., two new rotifer species [with summary in English]. Zool. zhur. 37 no.4:622-624 Ap '58. (MIRA 11:5)

1. Biologicheskaya laboratoriya biologo-pochvennogo fakul'teta Moskovskogo gosudarstvennogo universiteta.
(Rotifera)

BOGOSLOVSKIY, A.S.

New data on the reproduction of heterogenous rotifers. Observations on the reproduction of Sinantherina socialis (Lin.) [with summary in English]. Zool. zhur. 37 no.11:1616-1623 N '58. (MIRA 11:12)

1. Biologicheskaya laboratoriya biologo-pochvennogo fakul'teta Moskovskogo gosudarstvennogo universiteta.
(Rotifera)

BOGOSLOVSKIY, A.S.

Recent data on the reproduction of rotifers. Biul.MOIP.Otd.biol. 64 no.1:155 Ja-F '59. (MIRA 12:7)
(Rotifera)

BOGOSLOVSKIY, A.S.

Distribution of rotifers in the section of the Klyaz'ma River, its backwaters, and the pond located in the influence zone of the dam. Trudy Gidrobiol. ob-va 11:54-81 '61. (MIRA 15:1)

1. Kafedra zoologii bespozvonochnykh Moskovskogo gosudarstvennogo universiteta, Moskva.
(Klyaz'ma River--Rotatoria)

BOGOSLOVSKIY, A.S.

Systematics, geographical distribution, and habitats of the rotifers Brachionus nilsoni Ahlstrom and B. bennini (Leissling). Zool. zhur. 40 no.4:602-604 Ap '61. (MIRA 14:3)

1. Department of Invertebrate Zoology, State University of Moscow. (Rotifera)

BOGOSLOVSKIY, A.S.

Materials on the rotifer fauna of China. Zool. zhur. 41 no.9:1327-1333 S '62. (MIRA 15:11)

1. Department of Invertebrate Zoology, Biological-Pedological Faculty, State University of Moscow.
(China--Rotifera)

KUTIKOVA, L.A.; BOGOSLOVSKIY, A.S.

Brief news and information. Zool. zhur. 42 no.11:1748-1749 '63. (MIRA 17:2)

L 2596-66 EWT(1)/EWT(m)/EEC(k)-2/T/EWP(t)/EWP(b)/EWA(h) LJP(c) JD/AT

ACCESSION NR: AP5019202 UR/0115/65/000/006/0065/0067

536.5:621.314.62

149

B

AUTHOR: Bogoslovskiy, A. S. 44

TITLE: Measuring the temperature of an electron-hole junction in high-power silicon rectifiers

27

SOURCE: Izmeritel'naya tekhnika, no. 6, 1965, 65-67

TOPIC TAGS: semiconductor rectifier, silicon rectifier 25, 44

ABSTRACT: The forward-current method of measuring the junction temperature is less accurate than the forward-voltage method in which the temperature is determined from $U = f_u(\theta)$, where U is the forward voltage across the rectifier measured at a constant forward current. For modern power rectifiers operating at 20—150C, the above relation is practically linear; hence, only two points need to be measured, which is another advantage of the forward-voltage method. The possibility of using more accurate measuring instruments (a hookup in which the

Card 1/2

L 2596-66
ACCESSION NR: AP5019202

voltage is measured by a compensation method is described) constitutes the third advantage of the forward-voltage method. The error involved is only 1—2%; the method is applicable to both silicon diodes and thyristors. Orig. art. has: 3 figures and 7 formulas.

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00 SUB CODE: EC

NO REF SOV: 001 OTHER: 000

Card 2/2

BOGOSLOVSKIY, Aleksey Sergeyevich, kand. tekhn. nauk; FEDOROV, A.V., red.

[Power semiconductor rectifiers] Silovye poluprovodnikovye vypriamiteli. Moskva, Vcenizdat, 1965. 207 p.
(MIRA 18:12)

BOGOSLOVSKIY, A.S.

Materials on the resting eggs of rotifers. Report No. 1.
Biul. MOIP. Otd. biol. 68 no.6:50-67 N-D '63.
(MIRA 17:1)

BOGOSLOVSKIY, A. V.

BOGOSLOVSKIY, A. V.: "Increasing the dynamic stability of hydrogenerators by mechanical braking." Min Higher Education USSR. Moscow Order of Lenin Power Engineering Inst imeni V. M. Molotov. Moscow, 1956
(Dissertation for the Degree of Candidate in Technical Sciences)

So: Knizhnaya Letopis', No. 18, 1956

USSR

621.313.322-59 : 621.3.016.35

1470. Improvement of the dynamic stability by mechanical braking of hydrogenerators. A. V. Rogoslovskii. *Elektrichestvo*, 1954, *No.* 12, 45-50. In Russian.

The inertia constant of hydro-generators supplying large power systems with long transmission lines is as a rule smaller than that of comparable steam turbo-alternators. This complicates the maintenance of the dynamic stability of the system, since the turbine governors with their slow response (owing to the inertia of the water masses to be controlled and the danger of water hammer) are unsatisfactory under fault conditions. The accelerating torque set up by a short circuit in the system increases the phase difference between the e.m.f. of the hydro-generator and system voltage, and the electrical braking torque set up after the clearance of the fault will mostly be insufficient to reverse the tendency of system and generator phases to deviate increasingly. Falling out of step of the generator is then an obvious danger. It was found that the usual type of braking system of hydro-generators is sufficiently powerful and quick-acting (assuming the conventional type of solenoid control and pneumatic operation) to counteract the dangerous accelerating torque, particularly since it is easily convertible for automatic control and that the improvement of the dynamic stability obtainable in this way represents a marked progress. B. F. KRAUS

BOGOSLOVSKIY, A.V., kand.tekhn.nauk; SOVALOV, S.A., kand.tekhn.nauk

Testing of the stability of the power transmission system between V.I. Lenin Volga Hydroelectric Power Station and the Ural Mountain region. Elektrichestvo no.8:1-9 Ag '62. (MIRA 15:7)
(Electric power distribution)
(Volga Hydroelectric Power Station (Lenin))

L 29536-65 EWT(d)/EED-2/EWP(1) Pg-4/Pk-4/Po-4/Pq-4 IJP(c) GG/BB

ACCESSION NR: AP5003068 S/0105/65/000/001/0001/0007

AUTHOR: Sin'kov, V. M. (Candidate of technical sciences); Bogoslovskiy, A. V. (Candidate of technical sciences); Fedotov, L. V. (Engineer); Fol'kman, K. Yu. (Engineer); Tsiptsyura, R. D. (Engineer)

TITLE: Computers in a complex-automated power system

45
44
16
P

SOURCE: Elektrichestvo, no. 1, 1965, 1-7

TOPIC TAGS: power system, automation, electric power production, computer

ABSTRACT: A general discussion is presented of the possible role of computers in maintaining economy regimes at manual-controlled partially-automated power plants. The reducing of fuel consumption by 1% may save 150,000–200,000 rubles per 1,000 Mw installed capacity. The optimization of load distribution among power plants and of electrical and thermal load distribution among power-producing units may bring about a fuel saving of a few percentages which would quickly (from 3 months to 1.5 years) pay the cost of the computers making such an optimization possible. A combined system of frequency-and-active-power control

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L 29536-65

ACCESSION NR: AP5003068

is being developed by the Kiev Institute of Automation and Energoset'proyekt (Moscow); the power-system operation will be based on predictive calculations for the system and automatic operating control at individual plants. The problems arising with power exchanges over low-capacity interconnection ties and d-c interconnections are noted. A sketch showing the recommended disposition of computers in a complicated power system is presented. An IPK-2 special computing device for determining fuel-consumption relative increments is mentioned. [No actual installation of computers or automatic-operation devices in Soviet power systems is cited. Abstracter's note]. Orig. art. has: 4 figures.

ASSOCIATION: Kievskiy institut avtomatiki (Kiev Institute of Automation)

SUBMITTED: 20Feb64 ENCL: 00 SUB CODE: DP, EE

NO REF SOV: 009 OTHER: 000

Card 2/2

L 10398-67 EWT(1) GW

ACC NR: AP7003126 SOURCE CODE: UR/0029/66/000/006/0035/0036

AUTHOR: Bogoslovskiy, V. (Engineer); Bogoslovskiy, B. (Engineer) 41

ORG: none

TITLE: Generator with a capacity of a million billion terrawatts

SOURCE: Tekhnika-molodeshi, no. 6, 1966, 35-36

TOPIC TAGS: neutrino, earth crust, earth magnetic field

ABSTRACT: The authors' hypothesis is that the Earth's core can be considered a gigantic nuclear reactor, whose fuel is found in the solar neutrinos penetrating the crust and mantle from outer space. At the enormous pressures that must exist at the core apeurons exist: particles resembling plasma which are formed from highly compressed atoms of existing elements, and which combine with other particles to form different elements. Solar antineutrinos attack the core, partially transforming the protons into neutrons and producing muons, positrons, and energy. It is this energy which is responsible for the rotation of the Earth and its magnetic and electric fields. Man, living on the Earth's crust, is thus shielded from the core reactor by the dense, cold layers of the mantale and crust, and from the radiation flux from outer space (at least partially) by the atmosphere, which is normally a dielectric. However, if the terrestrial power source were tapped, and only abillionth part of its energy used, this would be the equivalent of more than

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L 10398-67 0925 0026

ACC NR: AP7003126

...1,000 billion kW, or 2,000 times the capacity of all the electric power plants now existing on the earth. This might be done by collecting the power from an ionized column of air (ionized by burners using chemical fuels, or by laser beams), at the bottom of which positive charges would be collected on a copper grid, with a conducting wire tapping it (a second wire would be used as a ground. Considerable currents could also be obtained by connecting two deep wells located at a great distance from each other by means of a cable, or by laying wires on the surface of the Earth under certain special conditions (on the bottom of a shallow sea, for instance). [JPRS: 37,564]

SUB CODE: 08, 20 / SUBM DATE: none

Card 2/2

BOGOSLOVSKIY, B. B. Cand. Geograph. Sci.

Dissertation: "Thermal Conditions in Lake Glubokoye During the Iceless Period." Moscow Order of Lenin State U imeni M. V. Lomonosov, 25 Jun 47

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

BOGOSLOVSKIY, B.B.

Thermal condition of the Glubokoe Sea during the ice-free period
Vop. geog. 26, 1951

BOGOSLOVSKIY, Boris Borisovich; MURAVEYSKIY, Sergey Dmitriyevich; ROSSOLIMO, L.D., professor, redaktor; ENDEL'MAN, G.N., redaktor; MULIN, Ye.V., tekhnicheskiy redaktor.

[Studies in limnology] Ocherki po ozerovedeniiu. [Moskva] Izd-vo Moskovskogo unversiteta, 1955. 174 p. (MLRA 9:8)
(Lakes)

BOGOSLOVSKIY, B. B.

"Water Balance of Lakes in the USSR European Territory"

report presented at the 3rd All-Union Hydrological Congress, 7-17 Oct 1957, Leningrad.

(Izv Ak Nauk SSSR, ser geograf., 3, pp3-9, '58)

BOGOSLOVSKIY, Boris Borisovich. Prinimali uchastiye: VOSKRESENSKIY, K.A., dotsent; TSYTSARIN, G.V., kand.geograf.nauk. PETROVA, K.A., red.; GEORGIYEVA, G.I., tekhn.red.

[Limnology] Ozerovedenie. Moskva, Izd-vo Mosk.univ., 1960. 334 p. (MIRA 14:4)

(Limnology)

BOGOSLOVSKIY, B.B.

System for the hydrological classification of lakes and lake regionalization in the U.S.S.R. Vest. Mosk. uns Ser.5: Geog. 15 no.2:44-51 Mr-Ap '60. (MIRA 13:9)

1. Kafedra gidrologii sushi Moskovskogo universiteta.
(Lakes)

BOGOSLOVSKIY, B.B.

Glubokoye Lake. Vop.geog. no.51:148-163 '61. (MIRA 14:6)
(Glubokoye Lake (Moscow Province))

BOGOSLOVSKIY, B.B.; GRIGORASH, V.A.; LYAGINA, T.N.; SPANOVSKAYA, V.D.

Hydrological pattern and the formation of the ichthyofauna of the Mozhaysk Reservoir according to 1960 data. Vest. Mosk. un. Ser. 5: Geog. 16 no. 3:38-45 My-Je '61. (MIRA 14:5)

1. Kafedry gidrologii sushi i ikhtiologii Moskovskogo gosudarstvennogo universiteta.

(Mozhaysk Reservoir—Hydrology) (Mozhaysk Reservoir—Fishes)

BOGOSLOVSKIY, Boris Borisovich, kand. geogr. nauk; ANDRIANOVA, V.M., red.; NAZAROVA, A.S., tekhn. red.

[Mysteries of lakes]Zagadki ozer. Moskva, Izd-vo "Znanie," 1963. 31 p. (Novoe v zhizni, nauke, tekhnike. XII Seriia Geologiia i geografiia, no.6) (MIRA 16:4)
(Lakes)

BOGOSLOVSKIY, B.B.

"Reservoirs of the hydroelectric power stations of the U.S.S.R." by A.B.Avakian, V.A.Sharapov. Reviewed by B.B.Bogoslovskii. Vest. Mosk. un. Ser. 5: Geog. 18 no.3:78-79 My-Je '63. (MIRA 16:6)
(Reservoirs) (Avakian, A.B.) (Sharapov, V.A.)

BOGOSLOVSKIY, B. B.

KHRUSHCHOV, M.M., professor, otvetstvennyy redaktor; BOGOSLOVSKIY, B.B., redaktor izdatel'stva; NOVIKOVA, S.G., tekhnicheskiy redaktor

[Development of a theory of friction and wear; proceedings of a conference on problems of a therory of friction and wear (November 15-17, 1954)] Razvitie teorii treniia i iznashivaniia; trudy soveshchaniia po voprosam teorii treniia i iznashivaniia (15-17 noiabria 1954 g.). Moskva, 1957. 227 p. (MLRA 10:10)

1. Akademiya nauk SSSR, Institut mashinovedeniya
(Mechanical wear) (Friction)

BOGOSLOVSKIY, B. I. Aspirant

"Devonian Ammonites in Altay Ore." Cand Biol Sci, Paleontological Inst, Acad Sci USSR, 18 Nov 54. (VM, 9 Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No.521, 2 Jun 55

USSR/Geology - Paleontology

Card : 1/1

Authors : Bogoslovskiy, B. I.

Title : New Devonian representative of the Pronoritidae Frech family

Periodical : Dokl. AN SSSR, 97, Ed. 2, 323 - 326, July 1954

Abstract : The characteristics of a new Devonian era representative of the Pronoritidae Frech family, called Devonopronorites, are described. One reference. Illustrations, drawings.

Institution : Acad. of Sc. USSR, Paleontological Institute

Presented by : Academician N. S. Shatskiy, March 22, 1954

BOGOSLOVSKIY, B.I.

Devonian ammonoids of the Rudnyy Altai. Biul.MOIP.Otd.geol. 30 no.1:94-95 Ja-F '55. (MIRA 8:5)
(Altai Mountains—Ammonoidea) (Ammonoidea—Altai Mountains)

BOGOSLOVSKIY, B.I.

On the Pharciceratidae Hyatt, 1900 family. Dokl.AN SSSR 103 no.6: 1103-1106 Ag '55. (MLRA 9:1)

1.Paleontologicheskiy institut Akademii nauk SSSR. Predstavleno akademikom N.M.Strakhovym.
(Altai Mountains--Cephalopoda, Fossil)

BOGOSLOVSKIY, B.I.

On Biloclymeniidae , Fam. nov. Dokl.AN SSSR 104 no.1:134-137 S '55. (MLRA 9:2)

1.Paleontologicheskiy institut Akademii nauk SSSR. Predstavleno akademikom N.M.Strakhovym.
(Kiya River--Mollusks, Fossil) (Ural Mountains--Mollusks, Fossil)

BOGOSLOVSKIY, B. I.

20-3-38/46

AUTHOR: Bogoslovskiy, B. I.

TITLE: A Contribution to the Problem of Agoniatite Classification (K voprosu o klassifikatsii agoniatitov)

PERIODICAL: Doklady AN SSSR, 1957, Vol. 116, Nr 3, pp. 489-492 (USSR)

ABSTRACT: After a brief reference concerning the respective group the author cited the classification by Ruzhtensov who differs 5 orders: Agoniatite, Goinatite, Clymeniite, Ceratiite and Agoniatite. The differences between these orders and between the sub-orders within the two first orders in the development of the "Lappish line" (Lopastnaya liniya) are discussed. The material from the Devon of South-Timan allows to complete the classification of the Agoniatites. A very strange genus was found amongst them which differs markedly from all groups of the Frasnien and from all Devonic ones as a whole. The general character of the "Lappish line" leaves no doubt open about the belonging of this genus to the Agoniatites. It differs however to such an extent from the other representatives of this order by a bipartite division of the ventral lope that it must be newly described and form a new suborder. This new suborder among the Agoniatites takes the same subordinated position as the suborder Praeglyphioceratina does among the Goniatites. The new suborder is called Timanoceratina

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AN SSSR)

A Contribution to the Problem of Agoniatite Classification. 20-3-38/46

subord.nov. and contains in the sole equally new family Timanoceratidae fam.nov. the genus Timanoceras gen.nov. with the typical species: Tim. ellipsoidale sp.nov. The author further adds Manticoceras backlundi, crab-apple, from the same depositions of the Frasnien, to this genus. 11 specimen of the new genus come from the region of the river Vezha-Vozh in South-Timan. Circumstantial diagnosis of the mentioned new systematical categories are quoted. The descent of the new species is not yet clear. From a comparison with T. Backlundi which is older, arises an evolution of the family in evolute, more distinctly sculptured form in direction to the involute smoother ones. The ancestors of this family could be found among the upper-(or even medium) devonic Ammonoides of the suborder Anarcestina. In respect to a discoidale, rather disassembled ("Razvernutaya") shell which is likely to be sculptured and a simple "Lappish line" which should be presupposed with such ancestors, the species of the new family join some Gephuroceratina (e.g. Sandbergoceratidae) and it is not out of the question that they have a common descendent with them. There are 2 figures, and 2 Slavic references.

ASSOCIATION: Institute of Paleontology of AN USSR(Paleontologicheskiy institut AN SSSR)
PRESENTED: May 3, 1957 by N.S.Shatskiy, Academician
SUBMITTED: April 26, 1957
AVAILABLE: Library of Congress
Card 2/2

BOGOSLOVSKIY, Boris Ivanovich; RUZHENTSEV, V.Ye., red.; KORDE, K.B., red. izd-va; RYLINA, Ru.V., tekhn.red.

[Devonian Ammonoidea in the Rudnyy Altai] Devonskie ammonoidei Rudnogo Altaia. Moskva, Izd-vo Akad.nauk SSSR, 1958. 152 p. (Akademiia nauk SSSR. Paleontologicheskii institut. Trudy, vol.64) (MIRA 12:8)

(Altai Mountains--Ammonoidea, Fossil)

BOGOSLOVSKIY, B.I.

Evolution of the family Gephuroceratidae Frech, 1901 [with summary in English]. Izv. AN SSSR Ser.biol. no.3:336-342 My-Je '58 (MIRA 11:5)

1. Paleontologicheskiy institut AN SSSR.
(AMMONOIDEA)

3(0)

AUTHOR: Bogoslovskiy, B. I.

SOV/20-123-5-42/50

TITLE: The Origin of the Order Goniatitida (K voprosu o proizkhozhdenii otryada Goniatitida)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol 123, Nr 5, pp 921 - 924 (USSR)

ABSTRACT: The extinct ammonoids are indeed important for stratigraphy and for solving problems of organic evolution. The author reviews their evolution and branching into 5 orders (Ref 2). Goniatitida is a Middle Devonian off-shoot of the oldest ammonoid, Agoniatitida of the family Anarcestidae which originated in the Lower Devonian. Goniatitida persisted into the Permian. The main difference between the last two orders is in the development in Goniatitida of the side lobe L near the apex of the first side saddle (Refs 1,2,8,1o,12,13). The question of how this took place is still open. The author studied the ontogenic development of the corresponding shell parts of Tornoceras simplex (Buch) (Figs 1-3) and of T.(Aulatornoceras)keyserlingi Müller. He determined that the lobe L originated not near the apex of the outermost side saddle

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The Origin of the Order Goniatitida

SOV/20-123-5-42/50

but at the lateral side of the primary ventral lobe. This obviously may have been the case with all the oldest goniatitids. The shift of the side lobe L to the outermost side saddle in later goniatitids occurred following an accelerated development. Because of this the beginning stages of the ontogenesis hypothesized above are not found. The study of the ontogenesis of T.simplex (Buch) afforded solution of special taxonomic questions. The difference in the ontogenetic development of Goniatites uniangularis (Devonian from the State of New York) and T.simplex (Buch) is in such a way pronounced that the former species may in no way be referred to with the latter synonym (Fig 2a, b and Fig 3). Therefore the species G.uniangularis should be considered the generotype of the genus Tornoceras. There are 3 figures and 13 references, 2 of which are Soviet.

ASSOCIATION: Paleontologicheskiy institut Akademii nauk SSSR (Paleontological Institute Academy of Sciences,USSR)

PRESENTED: July 30, 1958, by N. M. Strakhov, Academician

SUBMITTED: July 29, 1958

Card 2/2

BOGOSLOVSKIY, B.I.

New representative of ammonites from middle Devonian deposits of the Polar Urals. Paleont.zhur. no.3:61-65 '59.
(MIRA 13:4)

1. Paleontologicheskiy institut Akademii nauk SSSR.
(Yelets Valley--Ammonoidea)

BOGOSLOVSKIY, B.I.

New species of some little-known genera of Devonian ammonites from Famennian deposits of the Urals. Paleont. shur. no.4:69-73 '60. (MIRA 14:1)

1. Paleontologicheskiy institut AN SSSR.
(Ural Mountains—Ammonoidea)

BOGOSLOVSKIY, B.I.

New finds of some little-known Devonian ammonoids. Biul.MOIP.Otd. geol. 35 no.4:155-156 Jl-Ag '60. (MIRA 14:4)
(Ammonoidea)

BOGOSLOVSKIY, B.I.

Eifelian ammonoids of the Urals and the classification of agoniatites. Paleont.zhur. no.4:60-70 '61. (MIRA 15:3)

1. Paleontologicheskiy institut AN SSSR.
(Ural Mountains--Ammonoidea)

BOGOSLOVSKIY, B.I.

Rare type of ornamentation in clymenids. Paleont.zhur. no.1:166-168 '62. (MIRA 15:3)

1. Paleontologicheskiy institut AN SSSR.
(Ural Mountains--Ammonoidea)

BOGOSLOVSKIY, B.I.

Ancient Devonian Ammonoidea of the Urals. Paleont. zhur. no.2:26-37 '63. (MIRA 16:8)

1. Paleontologicheskiy institut AN SSSR.
(Ural Mountains--Ammonoidea)

BOGOSLOVSKIY, B.M. [deceased]; AGRACHEVA, Ye.B.

Investigations in the field of benzalazine and its derivatives. Part 2: Asymmetric derivatives of benzalazine, their preparation and properties. Izv. vys. ucheb. zav.; khim. i khim. tekh. 4 no. 2:275-279 '61. (MIRA 14:5)

1. Moskovskiy tekstil'nyy institut. Kafedra organicheskoy khimii.

(Benzaldehyde)

SEREDA, M.S., agronom; BOGOSLOVSKIY, D.L., agronom; VORONTSOVA, V.P., agronom; FEDCHENKO, V.P., agronom; LYZHIN, K., red.; GIL'DEBRANT, Ye., tekhn.red.

[Catalog of regionally adapted field crop varieties for Krasnoyarsk Territory] Katalog raionirovannykh sortov sel'skokhozyaistvennykh kul'tur po Krasnoiarskomu kraiu. Krasnoiarsk, Krasnoiarskoe knizhnoe izd-vo, 1960. 55 p.

(MIRA 14:4)

1. Russia (1923- U.S.S.R.) Gosudarstvennaya komissiya po sortoispytaniyu sel'skokhozyaystvennykh kul'tur po Krasnoyarskomu krayu. 2. Inspektor Gosudarstvennoy komissii po sortoispytaniyu sel'skokhozyaystvennykh kul'tur po Krasnoyarskomu krayu pri Ministerstve sel'skogo khozyaystva SSSR (for Sereda). 3. Inspektura Gosudarstvennoy komissii po sortoispytaniyu sel'skokhozyaystvennykh kul'tur po Krasnoyarskomu krayu pri Ministerstve sel'skogo khozyaystva SSSR (for Bogoslovskiy, Vorontsova, Fedchenko).
(Field crops--Varieties)

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

B-II-8

BC

[illegible] of degree of polymerization of oils on quality of oil paintings. [illegible] (Leningrad, Ind., [illegible]) [illegible] Al_2O_3 of hot-dried linseed oil [illegible] in correspond to the degree of polymerization of the oil used in their preparation. Hardness increases with the temp. and duration of drying. Ch. Abs. (p)

COMMON ELEMENTS

OPEN

MATERIALS INDEX

COMMON VARIABLES INDEX

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

Ca

6

Use of fish oils in paint and lacquer industry. D. Bogoslovskii. *Org. Chem. Ind.* (U. S. S. R.) 2, 203-5 (1936).—The methods of refining and uses of various oils derived from fish and marine animals are discussed.
Chas. Blanc

COMMON ELEMENTS

MATERIALS INDEX

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

PROCESSES AND PROPERTIES INDEX

CA

26

The varnish-pigment paints prepared with dehydrated castor oil. D. N. Bogoslovskii. *Byull. Malyarnoi Tekh.* 1939, No. 5, 25-7; *Khim. Referat. Zhur.* 1939, No. 11, 109.—Atm. tests were made on paints prepd. from mixts. of linseed and castor oils and from castor oil alone. Most paints made from castor oil alone showed signs of rusting which were not observed with paints made from linseed oil. Paints made from oil prepd. without catalysts differed very little from other paints in their ability to prevent rusting. W. R. Henn

T.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

Dehydration of castor oil. A. A. Ivanova, D. N. Bogoslovskii and M. G. Buman. *Byull. Obmena Opyta Lakokrasochnoi Prom.* **1939**, No. 8, 18-19; cf. *C. A.* 34, 6467.—Dehydration of castor oil at 20-30° catalyzed by asanite, floridin or "gumbrin" is sufficiently rapid but gives unsatisfactory products owing to hydrolysis to di- and monoglycerides. Good results were obtained when 0.25-0.50% H_2SO_4 was used as a catalyst. Light-colored oils with acid nos. below 1° were obtained. Continuous dehydration over clay catalysts failed, but succeeded with H_2SO_4 and lowered acetyl nos. from 140 to 250. D. A.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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The influence of certain catalysts on dehydration of castor oil. D. N. Bogoslovskii. *Byull. Obmen Opyt Lakokrasochnoi Prom.* 1940, No. 1, 21-3; cf. C. A. 34, 5012. Dehydration of castor oil with H_2SO_4 has the following advantages over dehydration with Mn, Zn and Pb compds.: (1) Oils of relatively low viscosity but good drying properties can be obtained. (2) The oils do not thicken with basic pigments. (3) Oil losses during dehydration are lower. (4) The process is more easily controlled and gives a standard product. D. Aslanov

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

STAROVOYTOV, I.M.; BOGOSLOVSKIY, G.I. [Bohoslovs'kyi, H.I.]

New type of breast pump. Ped. akush. i gin. 23 no.3:52-54 '61. (MIRA 15:4)

1. Kafedra khirurgii pediatricheskogo fakul'teta Kiyevskogo meditsinskogo instituta (zav. kafedroy - zasluzhennyy deyatel' nauki USSR, prof. O.O.Fedorovskiy [Fedorovs'kyi, O.O.]) na baze bol'nitsy im. M.I.Kalinina (glavnyy vrach - V.A.Udintseva).
(BREAST PUMP)

BOGOSLOVSKIY, G. M.

"On the chloro-anhydride of 2-3 oxynaphthoic acid." by G. M. Boboslowski and A. A. Artemiev, and W. N. Bodionov (p. 444)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii) 1946, Volume 16, No. 3

SOV/120-59-4-5/50

AUTHORS: Bogoslovskiy, G. V., Khrenov, B. A.

TITLE: An Electronic Analogue for Working Up Data on Extensive Air Showers

PERIODICAL: Pribory i tekhnika eksperimenta, 1959, Nr 4, pp 37-40 (USSR)

ABSTRACT: The apparatus is designed to find the axis of the shower and the number of particles from the data provided by a set of counter trays. The probability distributions for the axis and for the number of particles are indicated. The mathematical aspects of the problem are treated first; the particles are assumed to be distributed in accordance with the law $f(r_j) = 2 \times 10^{-3} \exp(-r_j/55)/r_j$; with r_j (the distance from the axis to the j-th counter) in m . The coordinates of the axis are x , y , and the number of particles is j . Each tray contains n counters each of area σ ; the shower fires m_j counters in tray j . Fig 1 shows a unit of the circuit used to calculate the log of the probability function W . The density distribution is imitated by supplying an input as the potential distribution in a tank of electrolyte.

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An Electronic Analogue for Working Up Data on Extensive Air Showers

The units have an input resistance of 23 megohms; the inputs are provided by a set of probes, which set can be moved about in the tank to locate the axis. The apparatus is equivalent to 36 trays of counters each with 24 counters; each tray switch has 25 positions (see Fig 2), which set the potentials in the electrolyte. The rest of the design is obvious. Fig 3 compares the exact solutions (continuous lines) with the approximations (steps). The paper contains 3 figures and 3 Soviet references.

ASSOCIATION: Nauchno-issledovatel'skiy institut yadernoy fiziki MGU (Nuclear Physics Research Institute, Moscow State University)

SUBMITTED: May 20, 1958.

Card 2/2

L 47083-65 EWG(j)/EWT(m)/FCC/T/EWP(j)/EWA(h)/EWA(1) Pc-4/Peb IJP(c) RM

ACCESSION NR: AP5007027 S/0120/65/000/001/0069/0076

AUTHOR: Khristiansen, G. B.; Abrosimov, A. T.; Bogoslovskiy, G. V.; Boytsov, V. I.; Solov'yev, K. I.

TITLE: Outfit for investigating extensive showers by means of a set of scintillation counters

SOURCE: Pribory i tekhnika eksperimenta, no. 1, 1965, 69-76

TOPIC TAGS: extensive shower, scintillation counter

ABSTRACT: The addition of 20 scintillation counters in 1962 to the Moscow University outfit for extensive-shower recording is reported. Plastic (polystyrene with 1% PPP + 0.04% POPOP) rectangular 707 x 707 x 65-mm scintillation counters have a total area of 10 m². The counters and the electronic equipment permit a wide-range recording of stream densities and the relative arrival times of cosmic particles. Curves of the differential spectrum of pulse heights, of

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ACCESSION NR: AP5007027

height-channel calibration, and of counter nonuniformity depending on the particle travel are presented. The principal circuits of preamplifiers, amplifiers, pulse-delay measuring devices, and pulse recorders are supplied. "In conclusion, the authors wish to thank S. N. Vernov for directing the work, and V. B. Atrashkevich, Ya. L. Blokh, V. Kh. Leonov, and D. I. Protasov for their help." Orig. art. has: 8 figures and 1 table.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University)

SUBMITTED: 03Dec63 ENCL: 00 SUB CODE: NP

NO REF SOV: 007 OTHER: 000

Card 2/2

KARASEV, N.A.; BOGOSLOVSKIY, I.D.; KOSTOGONOV, V.G.; LARKIN, F.R.; MOROZOV, V.I.; SERGIYEVSKIY, A.Ya.

Effect of shot peening on the properties of a nitrogen case-hardened layer. Metalloved. i term.obr.met. no.10:12-16 O '65. (MIRA 18:11)

1. Moskovskiy institut radioelektroniki.

BOGOSLOVSKIY, I.M., inzh.; SHUVAYEV, P.N.

Manufacturing parts of the "flanged ring" type of sheet steel. Khim. mash. no. 3:33-34 My-Je '60. (MIRA 14:5)
(Chemical engineering—Equipment and supplies)

SHEVELKIN, B.N., kand.tekhn.nauk; KRAVCHENKO, L.L., inzh.; BOGOSLOVSKIY, I.M., inzh.

Investigating the processability of steel-silver bimetallic sheets. Khim.mash. no.5:37-39 S-O '60. (MIRA 13:9)
(Steel) (Silver plating)