

SERGEYEV, N. M.

USSR/Engineering
Welding - Electrodes
Pulverizers

May 48

"Choice of a System of Pulverization and Apparatus
for the Preparation of Powders of Electrode
Mixtures," N. M. Sergeev, Engr, 4 pp

"Avtozen Delo" No 5

Covered metallic electrodes are composed of
finely powdered metals. Briefs best methods
for selecting proper and most efficient
way to obtain fine granulated powder.

2/49119

SERGIYEV, H.M.

Measuring the relaxation-time ratio for nonequivalent nuclei
taking as a basis the saturation of the nuclear magnetic
resonance signal. Opt. i spektr. 17 no.5:784-787 N '64.

(MIRA 17:12)

VELIKANOV, D.P., prof., doktor tekhn.nauk, obshchiy red.; SERGEYEV,
N.M., red.. Primalni uchastnye: SHLIPPE, I.S., starshiy
nauchnyy sotrudnik, red.; KOCHULOV, V.P., mladshiy nauchnyy
sotrudnik, red.. MAL'KOVA, N.V., tekhn.red.

[Improving technical facilities in auto transportation] Voprosy
razvitiia tekhnicheskikh sredstv avtomobil'nogo transporta. Pod
obshchei red. D.P.Velikanova. Moskva, Nauchno-tekhn.izd-vo M-va
avtomobil'nogo transp. i shosseinykh dorog RSFSR, 1959. 166 p.
(MIRA 12:10)

1. Akademiya nauk SSSR. Institut kompleksnykh transportnykh
problem.

(Transportation, Automotive)

44271

S/190/63/005/001/014/020
B101/B186

11.2210
AUTHORS:

Karpov, V. L., Pomerantsev, N. M., Sergeyev, N. M.

TITLE:

Nuclear magnetic relaxation in irradiated rubbers

PERIODICAL: Vysokomolekulyarnyye soyedineniya, v. 5, no. 1, 1963, 100-107

TEXT: A study has been made of the nuclear magnetic resonance spectra of CKF (SKB) butadiene rubber with 60 - 70% 1,2 bonds, and CKD (SKD) butadiene rubber with 90-95% 1,4 bonds. Irradiation was carried out with Co⁶⁰ in doses up to 500 Mrad. Results: Non-irradiated SKB showed a line 0.2±0.02 oe broad. Upon irradiation, the intensity of this line decreased with increasing dose for SKB irradiated at 10⁻⁵ mm Hg or in air. Instead a line of 9.2±0.3 oe width appeared, the intensity of which increased with the dose. The spectrum of non-irradiated SKD was equal to that of non-irradiated SKB. With irradiated SKD, the intensity of the narrow line also decreased with increasing dose, and that of the broad line increased. The only difference was that the intensity of the narrow line still noticeable at high doses (150 - 300 Mrad) fell to the background noise at 70-80 Mrad with SKB irradiated in vacuum, at ~180 Mrad with SKB irradiated in air, and at Card 1/3

S/190/63/005/001/014/020
B101/B186

Nuclear magnetic relaxation...

200-220 Mrad with SKD irradiated in vacuum. Measurement of the line width between -100 and +20°C showed that the motion of protons was inhibited at -90°C. This temperature corresponded to a line width of 9.1 ± 0.4 oe. According to I. G. Powles (Polymer, 1960, 219) an activation energy of 1.5 - 2 kcal/mole was calculated for non-irradiated SKB, and a correlation time τ_{cor} was found in the order of 10^{-7} - 10^{-8} while activation energies, calculated according to dielectric or mechanical relaxation methods, equal 30 and 39 kcal/mole. Conclusion: Irradiation converts the protons from a state with high correlation frequency, 10^5 - 10^6 cps, to an inhibited state with 10^1 - 10^2 cps; there is a transition state with 10^2 - 10^3 cps. Discussion of data found by H. S. Gutowsky et al. (J. Chem. Phys., 27, 537, 1957) concerning magnetic relaxations of rubber vulcanized with sulfur shows that the C-C cross linking due to irradiation is more solid than the one due to S-bonds because the potential barrier of rotation is lower for the latter. 3-5% of the protons remain uninhibited when the rubber is irradiated in air. Oxygen-containing cross links with low potential barriers are formed. There are 6 figures. ✓

Card 2/3

Nuclear magnetic relaxation...

S/190/63/005/001/014/020
B101/B186

ASSOCIATION: Fiziko-khimicheskiy institut im. L. Ya. Karpova (Physico-
chemical Institute imeni L. Ya. Karpov)

SUBMITTED: July 25, 1961

Card 3/3

KARPOV, V.L., ^{1/2}SNADOMIRSKIY, D.M. YURKEVICH, V.G., SERGEYEV, N.M.

"Effect of gamma irradiation on natural and synthetic latexes."

Report submitted to the Conference on the Application of Large Radiation Sources.,
in Industry Salzburg, Austria 27-31 May 1963

SERGEYEV, N.M.; TARANENKO, P.I.

Odometer with a variable recording scale. Avt.prom. 29
no.9:32-33 S '63. (MIRA 16:9)

1. Moskovskiy avtodorozhnyy institut i Gosudarstvennyy soyuznyy
ordena Trudovogo Krasnogo Znameni nauchno-issledovatel'skiy
avtomobil'nyy i avtomotornyy institut.
(Motor vehicles--Equipment and supplies)

KARPOV, V.L.; SERGEYEV, N.M.; YURKEVICH, V.G.

Molecular mobilities in latexes. Study by the method of nuclear magnetic resonance. Dokl. AN SSSR 152 no.3:655-657 S '63.
(MIRA 16:12)
1. Fiziko-khimicheskiy institut im. L.Ya.Karpova. Predstavleno akademikom V.A.Karginym.

SERGEYEV, N.M., KANONOV, V.L.

Calculation of the intermolecular second moment of the
absorption line of proton resonance in polybutadienes.
Zhurn. teoret. i eksperimental'noy khim. 5 no. 2:230-235 M-Ap '64. (MIRA 17:6)

L. Moskovskiy fiziko-tekhnicheskiy institut i Fiziko-khimiicheskiy
institut imeni Karpova.

ARKHANGEL'SKIY, V.M.; AFANAS'YEV, L.L., doktor tekhn. nauk;
DEKHTERINSKIY, L.V.; ILARIONOV, V.A.; SERGEYEV, N.M.;
TSUKERBERG, S.M.; ANOKHIN, V.I., kand. tekhn.nauk,
retsenzent; TSETENKO, V.G., inzh., retsenzent;
YEGORKINA, L.I., red.izd-va; PAKHIMSON, V.A., red. izd-va;
SOKOLOVA, T.F., tekhn. red.

[Motor vehicles; design, operation and repair] Avtomobili;
ustroistvo, ekspluatatsiia i remont. Moskva, Izd-vo
"Mashinostroenie," 1964. 510 p. (MIRA 17:3)

ACCESSION NR: AP4017640

S/0190/64/006/002/0310/0313

AUTHORS: Sergeyev, N. M.; Karpov, V. L.

TITLE: Nuclear magnetic resonance spectroscopy of elastomer solutions

SOURCE: Vy*sokomolekulyarny*ye soyedineniya, v. 6, no. 2, 1964, 310-313

TOPIC TAGS: nuclear magnetic resonance, spectroscopy, proton resonance, elastomer, polyisobutylene, natural rubber, polybutadiene, benzene, spectrometer KIS 25

ABSTRACT: The proton resonance spectra in high resolution (3 to 4×10^8) solutions of some elastomers in CCl_4 and benzene have been obtained. The spectrographic records were made on spectrometer KIS-25 at 25 Mc/s proton frequencies. The following specimens were considered: polyisobutylene, natural rubber, polybutadiene SKB, and divinyl rubber. Measurements were made at room temperature, and the chemical shift for the protons was measured with respect to benzene as the internal standard (1-3% relative to CCl_4). For polyisobutylene solutions, a study of the dependence of the CH_3 peak width upon the concentration of the solution showed the width to tend to a limiting value of 5 c/s in the limit of infinite dilution, the

Cord 1/2

ACCESSION NR: APl017640

value apparently being independent of the reduced viscosity. The chemical shift in natural rubber- CCl_4 solution is found to correspond to natural rubber spectra in CS_2 solution. It is shown that the method of nuclear resonance together with the infrared spectra can be used to analyze the contents of 1,2 and 1,4 groups in polybutadiene. Orig. art. has: 3 figures.

ASSOCIATION: Moskovskiy fiziko-tehnicheskii institut (Moscow Physicotechnical Institute); Fiziko-khicheskii institut im. L. Ya. Karpova (Physicochemical Institute)

SUBMITTED: 26Dec62

DATE ACQ: 23Mar64

ENCL: 00

SUB CODE: NP

NO REF SOV: 001

OTHER: 003

Card 2/2

ACCESSION NR: AP4041728

S/0181/64/006/007/2179/2180

AUTHORS: Sergeyev, N. M.; Karpov, V. L.

TITLE: Proton magnetic resonance in gamma-irradiated polyisobutylene

SOURCE: Fizika tverdogo tela, v. 6, no. 7, 1964, 2179-2180

TOPIC TAGS: polyisobutylene, gamma radiation, proton nmr, line narrowing, radiation damage

ABSTRACT: The measurements were made with a Trub-Teuber spectrometer (25 Mc/sec) using a non-fractionated polyisobutylene (PIB) sample at room temperature, with exposure in air from the Co⁶⁰ unit of the FKhI (~100 rad/sec). The decrease in the NMR line width with increasing radiation dose turned out to be smaller than expected. A possible explanation is that in spite of the successive destruction of the PIB under the influence of the radiation, the chains still remain intertwined, and the character of segmental motion (microviscosity) remains little changed. Simultaneous high-resolution

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ACCESSION NR: AP4041728

measurements of the spectra of PIB solutions in CCl_4 showed that in highly diluted solutions ($\sim 10 \text{ mg/cm}^3$) the NMR line width does not depend strongly on the irradiation, indicating that the line width is not connected directly with the characteristic viscosity, which changes by several orders of magnitude as a result of irradiation. "I am grateful to N. A. Slovokhotova for taking the IR spectra and for many remarks." Orig. art. has: 1 figure and 3 formulas.

ASSOCIATION: Nauchno-issledovatel'skiy fiziko-khimicheskiy institut im. L. Ya. Karpova, Moscow (Scientific-Research Physicochemical Institute)

SUBMITTED: 24Jan64

ENCL: 01

SUB CODE: SS, OC

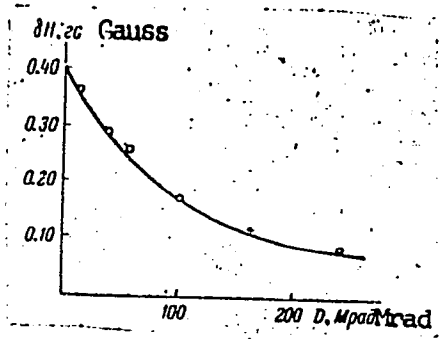
NR REF SOV: 000

OTHER: 003

Card 2/3

ACCESSION NR: AP4041728

ENCLOSURE: 01



Dependence of line width ΔH on the radiation dose D in polyisobutylene

Card 3/3

L 16432-65 EWT(1)/EEC(t) Feb IJP(c)/RAEM(i)/RAEM(c)/ESD(t)/SSD/AFWL/AS(mp)-2
ACCESSION NR: AP4048754 S/0051/64/017/005/0784/0787

AUTHOR: Sergeyev, N. M. B

TITLE: Measurement of the ratio of the relaxation times of non-equivalent nuclei by means of saturation of a nuclear magnetic resonance signal

SOURCE: Optika i spektroskopiya, v. 17, no. 5, 1964, 784-787

TOPIC TAGS: nuclear magnetic resonance, relaxation time, spin lattice relaxation, spin spin relaxation

ABSTRACT: A modification of the method of gradual saturation (J. A. Pople et al., "Nuclear Magnetic Resonance Spectra of High Resolution [Russ. Trans.] IL, M., 1962) is proposed for the relaxation time measurement. It consists of determining the ratio of the intensity of the spectral lines of the nonequivalent nuclei to that of the saturated NMR signal. The advantage of the method is that no

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L 16432-65

ACCESSION NR: AP4048754

knowledge of the high-frequency field amplitude is needed. This ratio was measured as a function of the magnetic field for proton resonance spectra of toluol (which contained no paramagnetic impurities), using the SYAMR-62 spectrometer (proton frequency 22.68 Mc), for which a value of 0.75 ± 0.05 was obtained for the ratio of time constants of the CH_3 and C_6H_5 groups. This agreed with earlier results. Another advantage of the method is that it can be adapted for absolute measurements of the relaxation time by using a standard with known relaxation time as one of the groups. "The author thanks A. V. Kessenikh for many remarks." Orig. art. has: 1 figure and 5 formulas.

ASSOCIATION: None

SUBMITTED: 10Jan64

ENCL: 00

SUB CODE: OP, NP

NR REF SOV: 000

OTHER: 004

Card 2/2

RODIN, I.M.; SERGEYEV, N.N.; PISTSOV, N.G.; SHOSHIYEV, L.N.

Experimental serotherapy in Omsk hemorrhagic fever. Vop. virus
8 no.2:193-199 Mr-Apr'63 (MIRA 16:12)

1. Institut poliomyelita i virusnykh entsefalitov AMN SSSR,
Moskva.

ROBIN, J.M.; KLAUWENBERG, J.J., Eds. *Journal of Tropical Medicine and Hygiene*

Experimental serotherapy of tick-borne encephalitis. *Journal of Tropical Medicine and Hygiene*, no. 8:98-106 '63. (M.P. 111)

KRAVCHENKO, A.F.; KODEN, I.M.; PROKHOROV, I.A.; BIVNAROV, M.I.; SPASEEV,
N.N.; TARASOV, V.V.

Preparation and purification of immune serums against tick-borne
and Japanese encephalitis. Vop.med.virus. no.8:106-113 '63.
(MIRA 17:10)

..SENGLEEV, N.N., gorn.inzh.; YEL'CHINSKIY, A.I., gorn.inzh.

New technological solutions in plans of Kazakhstan Institute for
Planning Nonferrous Metal Enterprises. Gor.zhur. no.6:27-29 Je '60.
(MIRA 14:2)

1. Kazgiprotsvetret, Ust'-Kamenogorsk.
(Kazakhstan--Mining engineering)

SERGEYEV, N.N.; YEL'CHINSKIY, A.I.; EL'KIND, I.L.; KUVAYTSEV, A.A.
SKORNYAKOV, Yu.G.

Accelerated development and methods of mining. Gor. zhur.
no. 11:24-30 N '60. (MIRA 13:10)

1. Kazgiprotsvetmet, Ust'-Kamenogorsk.
(Kazakhstan--Copper mines and mining)

SEGEYEV

SEGEYEV, N.N.; IVANOV, K.V.; FEDIN, A.F.; KRASOVSKIY, Yu.P.; TKACHENKO, A.P.

Rapid building of the Pervomayskiy open-pit mine in the Severnoye
Mining and Ore Dressing Combine. Met. i gornorud. prom. no. 3:73-74
My-Je '63. (MIRA 17:1)

U

ALEKSEYEV, F.K.; ANDRIYUTS, G.L.; ARSENT'YEV, A.I.; ASTAF'YEV, Yu.P.;
BEVZ, N.D.; BEREZOVSKIY, A.I.; GENERALOV, G.S.;
DOROSHENKO, V.I.; YESHCHENKO, A.A.; ZAPARA, S.A.; KALINICHENKO, V.F.;
KARNAUSHENKO, I.K.; KIKOVKA, Ye.I.; KOBOZEV, V.N.; KUPIN, V.Ye.;
LOTOUS, V.K.; LYAKHOV, N.I.; MALYUTA, D.I.; METS, Yu.S.; OVODENKO,
B.K.; OKSANICH, I.F.; PANOV, V.A.; POVZNER, Z.B.; PODORVANOV, A.Z.;
POLISHCHUK, A.K.; POLYAKOV, V.G.; POTAPOV, A.I.; SAVITSKIY, I.I.;
SERBIN, V.I.; SERGEYEV, N.N.; SOVETOV, G.A.; STATKEVICH, A.A.;
TERESHCHENKO, A.A.; TITOV, O.S.; FEDIN, A.F.; KHOMYAKOV, N.P.;
SHEYKO, V.G.; SHEKUN, O.G.; SESTAKOV, M.M.; SHTAN'KO, V.I.

Practice of construction and exploitation of open pits of Krivoy
Rog Basin mining and ore dressing combines. Gor. zhur. no.6:
8-56 Je '63. (MIRA 16:7)

(Krivoy Rog Basin—Strip mining)

SERGEYEV, N.N., inzh.; IVANOV, K.V., inzh.; KRASOVSKIY, Yu.P., inzh.;
TKACHENKO, A.P., inzh.

Construction of the Pervomai open-pit mine. Shakht. stroi. 7 no.4:
25-26 Ap '63. (MIRA 16:3)

1. Severnyy gornoobogatitel'nyy kombinat (for Serveyev, Ivanov).
2. Nauchno-issledovatel'skiy gornorudnyy institut (for Krasovskiy).
3. Krivorozhskiy gornorudnyy institut (for Tkachenko).

SERBEYEV, N. P.

"On a Method of Solving Integral Equations." Cand Phys-Math
Sci, Leningrad State U, Leningrad, 1954. (RZhMat, Mar 55)

SO: Sum. No. 670, 29 Sep 55--Survey of Scientific and Technical
Dissertations Defended at USSR Higher Educational Institutions (15)

SERGEYEV, N.P., inzh.

Indices of French electric power plants with free-piston generators.
Teploenergetika 7 no.11:84-85 II '60. (MIRA 14:9)
(France--Electric power plants)

SERGEYEV, N.P., Cand Tech Sci -- (diss) "Study ^{of} ~~of~~ ^{the} ~~of~~ mechanisms
of ^{computer} ~~calculating~~ machines with Odner wheels." Mos, 1959. 15 pp
(Min of Higher Education USSR. Mos Order of Lenin and Order of
Labor ^{Red Banner} Higher Tech School in N.E. Bauman). 150 co-
pies (KI, 38-59, 117)

49

SERGEYEV, N.P.

[Electric resistance welding] Elektricheskaia kontaktnaia svarka. Moskva,
Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1952. 259 p. (MIRA 6:9)
(Electric welding)

GEL'MAN, A.S., doktor tekhnicheskikh nauk, professor; SERGHEEV, N.P., inzhener, retsenzent; KABANOV, N.S., kandidat tekhnicheskikh nauk, redaktor; POPOVA, S.M., tekhnicheskiiy redaktor.

[Technology of resistance electric welding] Tekhnologiya kontaktnoi elektrosvarki. Moskva, Gos.nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1952. 324 p. (MLRA 8:5)
(Electric welding)

SERGEYEV, N.P.

DOLGITSER, L.Z.; MORKOVKIN, A.A.; CHERNYAK, V.S.; GLIZMANENKO, D.L., kandidat
tehnikeskikh nauk, retsenzent; SERGEYEV, N.P., inzhener, redaktor.

[Apparatus and equipment for gas welding and cutting of metals; brief
manual on operation and repair] Apparatura i oborudovanie dlia gazo-
plamennoi obrabotki metallov; kratkoe posobie po ekspluatatsii i remontu.
Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit.i sudostroit. lit-ry,
1953. 191 p. (MLRA 7:6)

(Oxyacetylene welding and cutting)

SERGEYEV, N.P.; RYABOV, V.M., inzhener, retsenzent; ZVEGINTSEVA, K.V.
inzhener, redaktor; GOLOSIN, S.Ya., inzhener, redaktor;
MATVEYEVA, Ye.H., tekhnicheskij redaktor

[Resistance welding; a welder's manual] Kontaknaya svarka;
pamiatka dlia svarshchika. Moskva, Gos.nauchno-tekhn.izd-vo
mashinostroitel'noi lit-ry, 1955. 91 p. (MLRA 8:10)
(Electric welding)

BOBRINSKIY, Yuriy Nikolayevich; ~~SERGEYEV~~, Nikolay Petrovich; GULYAYEV, A.I.,
inzhener, retsenzent; KABANOV, N.S., kandidat tekhnicheskikh nauk,
redaktor; GRUSHEVSKAYA, G.M., redaktor izdatel'stva; TIKHONOV, A.Ye.,
tekhnicheskiy redaktor; MATVEYEVA, Ye.N., tekhnicheskiy redaktor

[Arrangement and installation of resistance welding machines] Ustroistvo
i naladka knotaknykh svarochnykh mashin. Moskva, Gos. nauchno-tekhn.
izd-vo mashinostroit. lit-ry, 1956. 143 p. (MLRA 10:1)
(Electric welding)

25(2); 8(3)

PHASE I BOOK EXPLOITATION

SOV/1515

Sergeyev, Nikolay Petrovich, and Moisey Samuilovich Feygenson

Elektricheskaya kontaktnaya svarka (Electric Resistance Welding)
2nd ed., rev. and enl. Moscow, Mashgiz, 1958. 286 p.
15,000 copies printed.

Reviewer: A.F. Zharkov, Engineer; Ed.: K.V. Zvegintseva, Engineer;
Ed. of Publishing House: N.S. Stepanchenko, Tech. Ed.: V.D. El'kind;
Managing Ed. for Literature on Heavy Machine Building; S.Ya. Golovin,
Engineer.

PURPOSE: This book was written for foremen and mechanics in welding and assembly shops of machine-building plants. It may also be used by welders, setters, mechanics and machinists operating and servicing welding equipment.

COVERAGE: The book describes basic methods of electric resistance welding and welding machinery used in the Soviet industry. Methods of resistance welding are explained and illustrated. Several chapters are devoted to operation and maintenance of standard welding equipment. Many detailed diagrams showing basic circuits, switches, feed and control units, and accessories are

Card 1/7

S/13C/62/000/011/002/002
ACC6/A101

AUTHOR: Sergeyev, N. G., Hydromechanical Engineer

TITLE: Largest-in-the-country shop for the continuous furnace welding of pipes

PERIODICAL: Metallurg, no. 11, 1962, 22 - 23

TEXT: The Taganrog shop for the continuous welding of pipes in a furnace became operative in April 1962. Instead of preheating chamber-furnaces, a high-power, 50 meter long, tunnel-furnace with 362 gas torches is used. The blank is heated in this furnace during continuous motion to 1,300 - 1,350°C within 35 - 40 sec. Instead of using separate strips, the pipes are made of a steel-strip continuously moving through the tunnel furnace; they are cut to the gauged length after folding and welding in rotating rolls of a six-stand folding and welding machine. The pipes are then shaped on a 14-stand reduction mill. Finishing is performed on a three-stand calibration mill at a speed for a 1 inch-diameter pipe as high as 420 m/min. The calibrated pipes are cut in a line by flying saws. The hot pipes are transported to a drum, throwing the

Card 1/2

S/130/62/000/011/002/002
A006/A101

Largest-in-the-country shop for...

pipes on a link-conveyer where they are straightened and cooled. The shop is equipped with 11 high-capacity crane bridges, 2 revolving bracket cranes and an automatic unit gripping 2-ton strip rolls and supplying them to the unfolding machine within 4 seconds. The rail-road equipment of the shop is highly automated. Special telephone and radio lines connect all the departments with the control desks so that the bridge crane operators receive the order by radio. Eight heating units assure the required temperature in the shop. There are 2 figures.

ASSOCIATION: "Metallurgstroy"

Card 2/2

SERGEYEV, N.P.

Technical Information Service of the United States Atomic Energy
Commission. NTI no.6:36-39 '63. (MIRA 17:1)

USSR

47-105
B

L 20121-63

BDS MLK(a)

S/0286/63/000/007/0039/0039

ACCESSION NR: AP3006743

AUTHOR: Brengauz, I. I.; Sergeev, N. P. Ivanov, I. M.; Ivanov, M. N.; Osipov, V. I.; Zhukov, N. P.; Korovkin, N. I. Gotsulyak, V. N.

TITLE: An attachment for a milling machine. Author's certificate NR 153822 class B23c; 49b, 5 sub 06

SOURCE: Byul. izobret. i tovarn. znakov, no. 7, 1963, 39

TOPIC TAGS: milling machine attachment, irregular aperture attachment, sheet material attachment, double curvature sheet material

ABSTRACT: An attachment (See Enclosure 1) for a milling machine of the "North America" type for cutting irregularly shaped apertures in sheet material having double curvature and by means of templates-duplicators, characterized in that, to produce a desired orientation of the detail during the milling process, the attachment is made in the form of a rotatable frame which is suspended on two supports, one of the supports being mounted pivotally and the other support being mounted movable in guides of the stand. Orig. art. has: one figure.

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L 20121-63
ACCESSION NR: AP3006743

ASSOCIATION: none

SUBMITTED: 10Apr61

DATE ACQ: 30Sep63

ENCL: 01

SUB CODE: MD, ML

NO REF SOV: 000

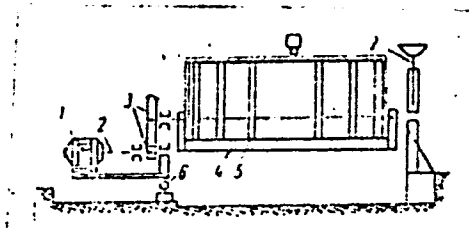
OTHER: 000

Card 2/3

L 20121-63
ACCESSION NR: AP3006743

ENCLOSURE: 01

- 1 - electric;
- 2 - shaft;
- 3 - gears;
- 4 - frame;
- 5 - channels;
- 6 - pivot;
- 7 - screw.



Card 3/3

GOROKHOV, P.K., kand. tekhn. nauk; GORUKOVA, V.I., kand. tekhn. nauk;
PAVLOV, L.I., kand. tekhn. nauk; SERGEYEV, N.P.; TAREYEV,
B.M., doktor tekhn. nauk, prof.; SEMOTKIN, I.S.; KURBATOVA, N.S.
kand. tekhn. nauk, prof.; red. CHESKIS, Z.B., red.

[French-Russian electrical engineering dictionary] Frantsuzsko-
ruskii elektrotekhnicheskii slovar'. Pod red. N.S. Kurbatovoi
i B.M. Tareeva. Moskva: Svetskaya entsiklopediya, 1965. 720 p.
(MIRA 18:12)

SERGEYEV, N.P.

Scientific information and UNESCO; present state and the
prospects. NTI no.12:61-63 '65. (MIRA 19:1)

SERGEYEV, N.P., gvardii polkovnik meditsinskoy sluzhby; GLATENOK, N.A.

Method for studying the pulse and respiration of fliers in
ascents in a pressure chamber. Voen.-med. zhur. no.8:58-62
Ag' 58. (MIRA 16:7)
(PULSE) (RESPIRATION) (ALTITUDE, INFLUENCE OF)
(AVIATION MEDICINE)

SERGEYEV, N. P. , GUENIN, A. M. and GAZENKO, O. G.

"Some Principles Used in the Creation of Artificial Environments
in Space Capsules"

report presented at the Intl. Symposium on Basic Environmental
problems of Man in Space, Prais, 29 October - 2 November 1962.

(1AF)

212000

41813

S/239/62/048/011/001/001
E063/E435

AUTHOR: Sergeyev, N.P. (Moscow)

TITLE: Changes in carbonic anhydrase activity in humans after hyperventilation

PERIODICAL: Fiziologicheskii zhurnal SSSR imeni I.M.Sechenova,
v.48, no.11, 1962, 1399-1403

TEXT: The effect of moderate voluntary hyperventilation on the carbonic anhydrase activity of 52 aircrew members, 20 to 43 years old, certified fit for flying duties, was studied, as only inadequate information is available on this point. During these observations the aircrews carried out their normal duties and lived normal lives. The carbonic anhydrase activity was estimated by Brinkman's method as modified by Ye.M.Kreps. First, the carbonic anhydrase activity, the number of erythrocytes in the blood and the anhydrase index of the tested persons were determined from blood samples taken from the fingertips. Then after taking 15 to 18 deep breaths per minute for 3 minutes, when the effects of the hyperventilation became noticeable, fresh blood samples were taken and similar

Card 1/2

SERGEYEV, N.S.

*Sergeev, N. S. Issledovanie odnogo klassa transcendentnykh funktsii, opredelyemykh obobshchennym uravneniem Rimana. [Investigation of a Class of Transcendental Functions Defined by a Generalized Riemann Equation]. Izdat. Akad. Nauk SSSR, Moscow-Leningrad, 1949. 154 pp.

I. The generalized functions of Riemann $\zeta_p(s)$, $\eta_p(s)$ and their fundamental properties. II. Generalized Bernoulli polynomials of the first kind. III. On summation formulas for

sums of the form $\sum_{j=1}^{\infty} (p^j + \lambda^j) / [p(p+1/\pi) + \lambda^j] f(\lambda_j)$. IV. On gammamorphic functions $\Gamma_{1,p}(x)$ of the first kind. V. Generalized Bernoulli polynomials of the second kind. VI. On summation formulas for sums of the form $\sum_{j=1}^{\infty} \int_0^{\infty} e^{-tx} [(2\pi p - x)/(2\pi p + x)]^j f(x) dx$. VII. The generalized Poisson formula. VIII. On gammamorphic functions $\Gamma_{2,p}(x)$ of the second kind. IX. The generalized formula of Ramanujan.

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Ser Gejev, N.S.

SOV/19-59-2-70-600

AUTHORS: Popov, V. A., Sobolevskiy, M. V., Berlin, D. A., Sergeyev, N. S., and Safronova, V. G.

TITLE: A Method of Obtaining Filters

PERIODICAL: Byulleten' izobreteniy, 1959, Nr 2, p 22 (USSR)

ABSTRACT: Class 12d, 25₀₁, Nr 117522 (362739 of 20 Apr 1958)
Submitted to the Gostekhnika, USSR. A method of obtaining imprinted paper filters: 1) Making filters resistant against water and benzine by permeating semi-glued finely-corrugated paper with solutions of thermo-reactive condensation resins, then drying and laying it in packs, and pressing at 160 - 170°C under a pressure of 1 to 5 kg/cm²; 2) Making filters resistant to acids and alkali, by permitting the paper with perchloro vinyl.

Card 1/1

SERGEYEV, N.V.

Devices for adjusting stand tables for optical indicators.
Izm.tekh. no.5:14-15 My '60. (MIRA 14:5)
(Optical instruments)

SERGEYEV, N.V.

Measuring the mean diameter of large-size internal buttress threads.
Izm.tekh. no.2:8 F '62. (MIRA 15:2)
(Calipers)

TKACHEV, A.P.; YERZUNOVA, A.A.; SERGEYEV, N.V.

Expenditure of raw materials in the manufacture of garment sheep
pelts. Kozh.-obuv.prom. 4 no.6:7-10 Je '62. (MIRA 15:6)
(Hides and skins)

SERGEYEV, N.V.

DECEASED

1961/3

c1961

SEE ILC

MEDICINE

G R N Y V, N. V.

"Bacillary Dysentery in One of the Kindergartens," Sov. Med., No. 7, 1949. Pediatric, Epidemiological, and Microbiological Institutes of the Acad Med Sci, -c1949-.

SERGEY EV, N.V.

Methods of identification of the initial stages in virus influenza
epidemics. Sovet.med. No.3:14-16 Mar 51. (GIML 20:6)

1. Professor. 2. Moscow.

SERGEYEV, N.V., professor (Moskva)

Etiology, pathogenesis, and clinical aspects of influenza. Vest.oto-
rin. 18 no.5:3-10 S-0 '56. (MLRA 9:11)

(INFLUENZA
etiolog., pathogen. & clin. aspects, review)

EPSHTEYN, F.G., prof., SERGEYEV, N.V., prof., SOROKINA, Ye.Yu. (Moskva)

Clinical course of A 57 Asian flu in adults. Klin.med. 36 no.5:35-42
My '58 (MIRA 11:7)

(INFLUENZA, case reports,
Asiatic type A 57 in adults (Rus))

~~SERGEYEV, N.V.~~, prof.; PAKTORIS, Ye.A., kand.med.nauk

Effect of pregnancy on the outcome of Botkin's disease and
some problems of medical tactics. Vop.okh.mat. 1 det. 4
no.3:73-77 My-Je '59. (MIRA 12:8)

1. Iz kliniki virusnykh zabolevaniy (zav. - prof.N.V.Sergeyev)
Instituta virusologii imeni D.I.Ivanovskogo (dir. - prof.P.N.
Kosyakov) AMN SSSR.

(HEPATITIS, INFECTIOUS) (PREGNANCY, COMPLICATIONS OF)

SERGEYEV, N.V., prof.; SINAYKO, G.A., kand.med.nauk

Significance of a method for determining aldolase activity in the diagnosis of Botkin's disease. Sov.med. 23 no.9:46-51 S '59.

(MIRA 13:1)

1. Iz kliniki (zav. - prof. N.V. Sergeyev) Instituta virusologii imeni D.I. Ivanovskogo (dir. - prof. P.N. Kosyakov) AMN SSSR na baze klinicheskoy infektsionnoy bol'nitsy No.2 (glavnyy vrach A.M. Pyl'tsova).
(HEPATITIS, INFECTIOUS blood)
(ALCOLASE blood)

SERGEYEV, N.V., prof. (Moskva)

Influenza in January-February 1959. Klin.med. 37 no.12;48-56
D '59. (MIRA 13:4)

1. Iz kliniki virusnykh zbolevaniy (zaveduyushchiy - prof. N.V. Sergeyev) Instituta virusologii imeni D.I. Ivanovskogo AMN SSSR (direktor - prof. P.N. Kosyakov).
(INFLUENZA)

SERGEYEV, N.V., prof. (Moskva)

Influenza and the cardiovascular system. Med.sestra 19 no.2:3-6
P '60. (MIRA 13:5)
(INFLUENZA) (CARDIOVASCULAR SYSTEM)

*See (MIRA 13:5)
Nat. Lib. 9 no.2:3-6 '61*

SERGEYEV, N.V.; LEYTES, F.L.

Some results of the study of circulatory disorders in
influenza. Vest. AMN SSSR 17 no.2:15-22 '62. (MIRA 15:3)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR.
(INFLUENZA)
(BLOOD--CIRCULATION, DISORDERS OF)

SERGEYEV, N.V.

Roller-type keys. Izm. tekhn. no.12:14 D '63. (MIRA 16:12)

SHRODYAN, H.V., Inzh.; KUROVIKOV, V.V., Inzh.

Using "colit" concrete for lining mine shafts worked in difficult hydrogeological conditions. Shakht. stroi. S no.6:5-6 Je '64.

(MIRA 17:10)

1. Trust Shakhtspetsstroy.

SERGEYEV, N.V.

Goniometer for measuring the profile angle of thrust thread.
Izm. tekhn. no.2:30 F '65. (MIRA 18:6)

CA

25

Dyes for sheep fur. N. V. Sergeev and G. A. Zhukov. *Lekokaya Prom.* 11, No. 7, 29-31 (1951). Results are given of tests with direct, acid, and mordant dyes. The vat method is recommended for direct dyes. More complete dyeing of hide fibers was obtained in an alk. medium. In the case of some acid-resistant direct dyes, the use of acid in the final stages of dyeing is permissible. Acid dyes are more suitable for brushing. With the exception of Acid Chrome Brown ZK, mordant dyes were unsatisfactory.
B. Z. Kamich

FRENKEL', Ye.B., kandidat tekhnicheskikh nauk; SERGEYEV, N.V.

Moistening sheepskins for coats in a flow of mixed steam and air.

Leg. prom. 16 no.1:28-29 Ja '56.

(MLRA 9:6)

(Hides and skins)

SERGEYEV, N.V.

Acryle and "nairit" film coatings for sheepskin fur. Leg.prom.
16 no.12:27-28 D '56. (MLBA 10:2)
(Hydes and skins)

AUTHOR: Sergeyev, N.V. SOV/115-58-6-12/43
TITLE: Repair of Gear Gages (Remont zubomeroov)
PERIODICAL: Izmeritel'naya tekhnika, 1958, Nr 6, p 26 (USSR)
ABSTRACT: The finishing of the faces of measuring jaws and depth gages is the most difficult part in the repair of gear gages. It is proposed to use a special prism (Figure 1). The planes a and b must be parallel with a accuracy of 0.002 mm. The depth gage is put into the prism as shown in Figure 2. There are 2 diagrams.

Card 1/1

SERGEYEV, N.V.; VETROV, I.Ye.; DROZDOV, A.A., inzh., prepodavatel';
SAVEL'YEV, S.T., inzh., prepodavatel'; SURKIS, M.N., inzh.,
prepodavatel'; BULATOV, B.N., inzh., prepodavatel'; DUKLER, V.D.,
inzh., prepodavatel'; FEL'DMAN, N.F., prepodavatel'

Once more about the training of locomotive servicing brigades.
Elek. i topl. tiaga 5 no.5:44 My '61. (MIRA 14:7)

1. Nachal'nik Kiyevskoy tekhnicheskoy shkoly (for Sergeyev).
2. Zamestitel' nachal'nika Kiyevskoy tekhnicheskoy shkoly
(for Vetrov).
3. Kiyevskaya tekhnicheskaya shkola (for
Drozdoz, Savel'yev, Surkis, Bulatov, Dukler, Fel'dman).
(Railroads - Employees)
(Locomotives - Maintenance and repair)

SERGEYEV, N. V.

Interstitial substance of the chiasm of the optic nerves in the normal state and in different pathological processes in the human body. Vest. oft. no.2:13-18 '62. (MIRA 15:4)

1. Kafedra glaznykh bolezney (zav. - zasluzhennyi deyatel' nauki RSFSR prof. N. M. Pavlov) Stavropol'skogo meditsinskogo instituta.

(OPTIC CHIASM)

SERGEYEV, N.V.

Checking the MPB-2 reading microscope. Izv. tekhn. no. 7:11
Jl '63. (MIRA 16:8)

(Microscope--Testing)

~~SERGEYEV, N. YA.~~
SERGEYEV, N. YA.

Rest nitrogen (RN) in cancer patients. I. L. Vakulenko, I. P. Kelyukh, and N. Ya. Sergeev. *Materialy po Bor'be Zlonachestvennyimi Opukholiyami* 1934, No. 4, 17-20; *Referat. Zhur. Khim., Biol. Khim.* 1935, No. 7949. —The RN is increased in the blood of cancer patients. Under normal conditions blood RN was 26.5 mg.%. In cancer patients it was 41.2 mg.%. Greatest deviations from the normal were observed in cancer of the lip, lowest in cancer of the stomach. Postoperatively (surgery, Ra or Röntgen-ray therapy) the blood RN first rises, then declines. B. S. Levine. RAD

(2)

SERGEYEV O.

~~Thermal decomposition of butane-2,3-bis(trimethylammonium hydroxide). Ya. M. Slobodin and O. Sergeyev. Zhur. Obshch. Khim. 29, 1892-3(1957); cf. C.A. 50, 14510; Hurd and Drake, C.A. 33, 7739^a.--Distn. of 12 g. (MeCHNMe₃)₂Br₂ with excess 40% KOH and collection of the volatile products in Br gave butadiene tetrabromide, m. 116°. No adducts corresponding to dimethylacetylene or methylallene were found. CH₂:CHCH₂NH₂ with Ag₂O gave EtCO₂H, possibly through formation of EtCH:NH₂. G. M. Kozolapoff.~~

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 4E3 d

ij

124-58-9-9991

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 9, p 78 (USSR)

AUTHOR: Sergeyev, O. A.

TITLE: On the Calculation of the Heat Removal From the Filaments of Hot-wire Anemometers (K voprosu o raschete teploutdachi nitey termoanemometrov)

PERIODICAL: V sb. : Issledovaniya v obl. teplovykh izmereniy i priborov. Leningrad, 1957, pp 255-258

ABSTRACT: An examination of King's equation: $N = c\Delta + bR^n$. Here Δ is the temperature difference between the filament wire and the flow. N is the Nusselt number, and R the Reynolds number. The exponent n is assumed to be 0.4 (instead of 0.5 as obtained by King) on the strength of Gilbert's experimental investigations. Reasonings are adduced relative to the numerical values of the coefficients c and b for the filaments of hot-wire anemometers. It should be noted that the subject of the numerical value of the exponent for the case of a small-diameter cylinder (viz., the filament of a hot-wire anemometer) was examined by the reviewer in an earlier paper (Tr. TsAGI, 1946, Nr 599). In practical turbulence measurement by means of hot-wire anemometry,

Card 1/2

124-58-9-9991

On the Calculation of the Heat Removal From the Filaments (cont.)

during the past ten to twelve years, a value $n=0.36$ has been experimentally confirmed and generally used.

Yu. G. Zakharov

1. Filaments--Heat transfer
2. Filaments--Mathematical analysis
3. Anemometers--Equipment
4. Anemometers--Performance

Card 2/2

BLASOV, Nadiy Sergeevich; SERGEYEV, G.A., red.

[Mass and heat transfer in furnace systems] Masso- i
teploperenos v topochnykh ustroystvakh. Moskva, Izd-vo
"Energia," 1964. 236 p. (MIRA 17:8)

PRASOLOV, R.S.; SERGEYEV, O.A.

On G.N. Dul'nev's monograph "Heat transfer in electronic apparatus,"
Inzh.-fiz. zhur. 7 no.2:125-126 F '64. (MIRA 17:2)

1. Severo-zapadnyy zaochnyy politekhnicheskiy institut, Leningrad.

KUZNETSOV, S.M.; SERGEYEV, O.A.

Thermal phenomena caused by polishing plane parallel plates.
Opt.-mekh.prom. 25 no.1:48-51 Ja '58. (MIRA 11:7)
(Grinding and polishing)

SEKSEYEV, G. A., Cand Tech Sci -- (diss) "Research into the temperature conditions of processing of polishing and buffing glass disk to fine flat surfaces." /Leningrad/, 1960. 15 pp; (State Order of Lenin Optical Inst in s. I. Vavilova); 150 copies; price not given; (KL, 21-60, 125)

L 33251-65 EWP(e)/EWT(m)/EWP(b) Pg-4 WH

ACCESSION-NR: AP5006651

S/0146/65/008/001/0170/0175

AUTHOR: Sergeyev, O. A.

TITLE: Structure of the ground surface of optical glass 15

25
24
B

SOURCE: IVUZ. Priborostroyeniye, v. 8, no. 1, 1965, 170-175

TOPIC TAGS: optical glass, glass surface

ABSTRACT: Statistically processed results of the profile measurement of a ground-glass surface are presented. A K8 glass plate was ground by an artificial corundum, and 200-500 chips were measured; the depth interval was 1 micron. A plot of $w(h)$ function vs chip depth is presented; $w(h)$ is a function which characterizes the probability of formation of h -deep chips. The relief layer has a thickness equal to the maximum depth h_{max} of chips; under it lies a crack (or check) layer. With these definitions, data supplied by other Soviet researchers are evaluated and compared. The following formula for the depth of the relief layer (for glasses

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L 33251-65

ACCESSION NR: AP5006651

having a density within 2.3-4.6 g/cm) is offered:

$$h_{max} = 0,23 \cdot \alpha \cdot \left(\frac{\beta \cdot k \cdot \rho}{\delta \cdot \rho_0} \right)^{\frac{1}{3}} \cdot d_i$$

where $\alpha = h_{max}/\bar{h}$, \bar{h} is the average depth of grinding; β and k are the coefficients allowing for physico-mechanical properties of the abrasive and the wheel; δ is the relative grinding hardness of glass; ρ and ρ_0 are the densities of the given glass and the standard glass, respectively. Orig. art. has: 3 figures, 11 formulas, and 3 tables. [03]

ASSOCIATION: Severo-zapadnyy zaachnyy politekhnicheskyy institut (North-Western Correspondence Polytechnic Institute)

SUBMITTED: 21Mar64

ENCL: 00

SUB CODE: MT, OP

NO REF SOV: 008

OTHER: 000

ATD PRESS: 3207

Card 2/2

SERGEYEV, O.D. [Sergieiev, O.D.]

Formation of disjunctive structures in the Dnieper-Donets lowland.
Nauk. zap. Kyiv. un. 15 no.2:23-29 '56. (MIRA 11:7)
(Donets Basin--Geology, Structural)(Dnieper Valley--Geology, Structural)

KLIMENKO, G.I.; KLOBEYEV, O.I., ARUIN, L.I.

Atrial cortex in cardiac insufficiency; functional and morphological examination. Kardiologiya 5 no.2:51-56 Mr-Apr '65. (MIRA 18:7)

I. Kafedra hospital'noy terapii (zv. - deystvitel'nyy chlen AN SSSR prof. A.L.Myasnikov) i kafedra patologicheskoy anatomii (zv. - chlen-korrespondent AN SSSR prof. A.I. Strukov) I Moskovskogo meditsinskogo instituta imeni I.M. Sechenova.

SERGEYEV, O.I., inzh.; FAKTOROVICH, A.M., inzh.

Results of testing a new type of chute gate. Izv.vys.ucheb.zav.;
gor.zhur. 5 no.9:87-89 '62. (MIRA 15:11)

1. Leningradskiy ordena Lenina i ordena Trudovogo Krasnogo Znameni
gornyy institut imeni G.V.Flekhanova. Rekomendovana kafedroy
rudnichnogo transporta.

(Ore handling--Equipment and supplies)

SERGEYEV, O.P.

Structural characteristics of the Bakal deposit. Razved. i
okh.nedr 26 no.5:47-48 My '60. (MIRA 13:7)

1. Bakal'skaya geologorazvedochnaya partiya.
(Bakal region--Geology, Structural)

GRINSHTEYN, N.V.; DAVYDENKO, Yu.A.; SERGEYEV, O.P.; TIMBSKOV, V.A.

Position of Bakal siderites in the enclosing rocks. Izv. AN SSSR.
Ser. geol. 25 no.7:95-98 J1 '60. (MIRA 13:10)
(Bakal region--Siderite)

SERGEYEV, O.P.

Analysis of a test area based on the comparison of varying appraisal figures. Razved. i okh. nedr 26 no.11:11-16 N '60. (MIRA 13:12)

1. Bakal'skaya geologorazvedochnaya partiya.
(Prospecting) (Ore deposits)

SERGEYEV, O.P.

Prospecting plans of ore-bearing horizons. Razved. i okh. nedr
28 no.2:43-44 F '62. (MIRA 15:3)

1. Bakal'skaya geologorazvedochnaya partiya.
(Bakal region--Prospecting)

YANITSKIY, Aleksandr Leonidovich ; SERGEYEV, Oleg Petrovich; KROTOV, B.P.,
otv.red.; DASHEVSKIY, V.V. red.izd-va; ZUDINA, V.I., tekhn.red.

[Bakal iron-ore deposits and their *genesis*] *Bakal'skie zhelezorudnye*
mestorozhdeniia i ikh genezis. Moskova. Izd-vo Akad.nauk SSSR, 1962.
110p. (Akademiia nauk SSSR. Institut geologii rudnykh meshorozhdenii,
pedrografii, mineralogii i geokhimii. Trudy, no.73) (MIRA 15:10)
(Bakal region—Iron ores)

GUREVICH, Roman Vladimirovich; SERGEYEV, O.V., redaktor; GOROKHOVSKIY, A.V., redaktor; SOKOLOVA, R.Ya., tekhnicheskiy redaktor.

[Measurement and tuning of shortwave transmitter antennas]
Izmereniia i nastroiika peredalushchikh korotkovolnovykh antenn.:
Moskva, Gos.izd-vo lit-ry po voprosam sviazi i radio, 1955. 35 p.
(Radio, Shortwave--Antennas) (MLRA 9:5)

SERGEYEV, P. (Ordzhonikidze); YAROLOV, G. (Leningrad); YEVDOKIMENKO, I.,
inzhnere-mekhanik (Chernigov); MIKHALEV, V. (Moskva); BUSLAYEV, V.;
GEL'BRAS, A.; SAMOYLOV, K. (Noginsk)

Opening the mail. Tekh.mol. 29 no.9:32-33 '61. (MIRA 14:10)
(Technological innovations)

BORISOV, G.A., red.; YERPAKOV, I.V., red.; YERMOLIN, M.A., red.;
MALAFEYEV, R.I., red.; SERGEYEV, P.A., red.; FEDOROV,
I.V., red.

[Collection of articles on scientific methodology; physics
and mathematics faculty] Nauchno-metodicheskiy sbornik;
fiziko-matematicheskii fakul'tet. Kurga, 1962. 238 p.
(MIRA 16:12)

1. Kurgan. Gosudarstvennyy pedagogicheskiy institut.
(Physics--Study and teaching)
(Mathematics--Study and teaching)

SERGEYEV, O., inzhener.

Competing with cosmic rays. Tekh.mol.24 no.1/2:10-16 Ja-F '56.
(Atomic power) (MIRA 9:7)

S.
SERGEYEV, O., inzhener.

Generators of cosmic energies. Tekh.mol.24 no.8:17-23 Ag '56.
(Particle accelerators) (MLRA 9:9)

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PHASE I BOOK EXPLOITATION

SOV/2534

Kapryin, Pafnutiy Ivanovich, and Oleg Sergeyevich Sergeyev

V Dubne pod Moskvoy (At Dubna near Moscow) [Moscow] Moskovskiy rabochiy, 1958. 97 p. 25,000 copies printed.

Ed. S. Gurov; Tech. Ed.: I. Yegorova.

PURPOSE: This booklet is intended for the general reader

COVERAGE: This is a simplified booklet on nuclear and high-energy physics, the technology of acceleration, and the peaceful uses of atomic energy. It describes the research of scientists from twelve Socialist countries carried on at the Ob'yedinennyy institut yadernykh issledovaniy (United Institute of Nuclear Physics Research) in Dubna, as well as the Soviet proton-synchrocyclotron.

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L 00450-67 EM(1) RO

ACC NR: AF0005045

(A)

SOURCE CODE: UR/0350/65/000/011/0006/0007

12

AUTHOR: Sorgoyev, P. (Doctor of Agricultural Sciences)

ORG: All Union Scientific Research Institute of Foods (Vsesoyuznyy nauchno-issledovatel'skiy institut kormov)

TITLE: Cutting and fertilizing of clover in seed breeding plots

SOURCE: Zernobobovyye kul'tury, no. 11, 1965, 6-7

TOPIC TAGS: agriculture crop, fertilizer, plant growth

ABSTRACT: Experiments were conducted on early and late maturing clover to determine the effect of cutting and fertilizing on seed yields. Study data show that seed yields of late maturing clover are increased with cutting of the top two or three internodes in the spring; this makes it possible to control blossoming time and to create better conditions for pollination, infructescence, and seed formation. With the cutting of late maturing clover tops, the number of seed pods almost doubles. In the case of early maturing clover which produces two crops, it is better to use the second crop for seeds. Cutting of the second crop should take place no later than the budding period to increase seed yields. Boric and molybdenum fertilizers significantly increase seed yields of both early and late maturing clover. Boric fertilizers are particularly effective in non-acid and well-limed soils, and molybdenum fertilizers are particularly

Card 1/2

UDC: 633.32:631.551

L 09450-67

ACC NR: AP6005045

effective in acid soils. Orig. art. has: none.

SUB CODE: 02/
06/ SUBM RATE: none

Card 2/2

SERGEYEV, P.A., inzh.

New design of vibration conveyors. Stroi. i dor. mashinostr. 3
no. 7:10-13 J1 '58. (MIRA 11:8)
(Conveying machinery)