SUSHKOV, A.P., inzh.; KASSEL', V.N.

SM-1 laying machine. Tekst.prom. 20 no.2:15-18 F '60.
(MIRA 13:6)

1. Nachal'nik proizvodstvenno-tekhnicheskogo otdela Upravleniya zagotovok i pervichnoy obrabotki l'na i konopli sovnarkhoza Belorusskoy SSR (for Kassel').
(Flax processing machinery)

GALABUTSKIY, Pavel Gavrilovich[deceased]; GERASIMENKO, Aleksey Antonovich; SUSHKOV, A.S., kand.tekhn. nauk, otv. red.; GOLOVIN, P.V., red.; KAZAKEVICH, V.I., red.izd-va; KADASHEVICH, O.A., tekhn. red.

[Methods of investigation and the chemical and technological control of beet sugar production]Metody issledovaniia i khimiko-tekhnologicheskii kontrol' sveklosakharnogo proizvodstva. Pod red. P.V.Golovina. Kiev, Izd-vo Akad.nauk USSR, 1962. 355 p. (MIRA 16:3)

1. Rukovoditel' laboratorii khimii i tekhnologii uglevodov Instituta organicheskoy khimii Akademii nauk Ukr.SSR, Chlen-korrespondent Akademii nauk Ukr.SSR (for Golovin).
(Sugar manufacture)

SUSHKOV, Boris Aleksandrovich

[Far Eastern seas and their shores; a sketch of their history and geography] Dal'nevostochnye moria i ikh poberezh'ia; istoriko-geograficheskii obzor. Vladivostok, Primorskoe knizh. izd-vo, 1958. 118 p. (MIRA 12:11)
(Soviet Far East--Coasts)

VISHNEVSKIY, V.M., kand.istor.nauk; GAYDASHENKO, K.P.; DUDOROV, V.M.; KLEYMAN, T.Ye.; KRUSHANOV, A.I., kand.istor.nauk; KUCHERYAVENKO, V.T.; LEVITSKIY, V.L.; OKSYUZ'YAN, D.V.; POLYAKOV, V.V.; SAMOKHVALOV, V.A.; SVIN'IN, V.V.; STEPANOVA, L.F.; SUSHKOV, B.A.; FISHER, Ye.L.; BELYKH, D.P., otv.red.; AVERKIN, B.Z., red.; ZUSMAN, Ye.I., red.; MAYOROV, V.M., red.; KIREYEVA, T.R., vedushchiy red.; BUTOVA, L.A., tekhn.red.

Vladivostok, 1860-1960. Vladivostok, Primorskoe knizhnoe izd-vo, 1960. 271 p. (MIRA 13:11)
(Vladivostok)

SUSHKOV, B.

[illegible] SUSHKOV, B.

used in the Black Sea, but has the disadvantage that cleaning [illegible] with bentonite clay is finished off by hand. An emulsion method of cleaning [illegible] used on river tankers, particularly on the Volga. In this method the viscous [illegible] aqueous suspension of bentonite [illegible] 10 atm. This [illegible]

[illegible]

SUSHKOV, B., inzhener.

Marine separators for cleaning ballast and bilge water from oil products. Mor.flot 16 no.8:28-29 Ag '56. (MLRA 9:10)

1.Glavsudkhoz Ministerstva morskogo flota.
(Separators (Machines)) (Ships--Equipment and supplies)

KRIZHANSKIY, Zakhariy Pavlovich; MARKEASEV, Mikhail Grigor'yevich; BARKOV, G.D., red.; SUSHKOV, B.B., red.; VAYL', T.I., red.izd-va; BEGICHEVA, M.N., tekhn.red.

[Safety engineering and industrial sanitation during cleaning operations on oil tankers] Tekhnika bezopasnosti i promsanitariia pri zachistnykh rabotakh na sudakh neftenalivnogo vlota. Moskva, Izd-vo "Morskoi transport," 1957. 78 p. (MIRA 11:1)
(Tank vessels--Cleaning)

SUSHKOV, B.B.

IVANOV, V.Ye.; SUSHKOV, B.B.

Fire extinguishing foam-producing units used in nonautomotive oil-tank vessels. Biul. tekh.-ekon. inform. no.1:64-65 '57. (MIRA 11:4)
(Tank-vessels) (Fire sprinklers)

LIBES, Girsha Yankelevich; SUSHKOV, Boris Borisovich; SMIRKO, G.S., red. izd-va; LAVRENOVA, N.B., tekhn. red.

[Present-day methods of cleaning tanks of oil tankers] Sovremennye metody ochistki tankov neftenalivnykh sudov. Moskva, Izd-vo "Morskoi transport," 1958. 101 p. (MIRA 11:10)
(Tank vessels—Cleaning)

SUSHKOV, B.

New seagoing ferry. Mor. flot 18 no.5:31 My '58. (MIRA 11:6)

1. Starshiy inzhener Tekhnicheskogo upravleniya morskogo flota.
(Ferries)

SUSHKOV, B.

Conference on mechanization of cleaning operations carried out on oil tankers. Mor. flot 18 no.8:16 Ag '58. (MIRA 11:9)

1. Starshiy inzhener Tekhnicheskogo upravleniya Ministerstva morskogo flota.
(Tank vessels--Cleaning)

KAREPINA, M., kand.. khim. nauk; SUSHKOV, B.

Using corrosion arresters for protecting the inside surfaces of tanker tanks. Mor. flot. 18 no.12:15-16 D '58. (MIRA 12:1)

1.Orekhovo-Zuyevskiy pedinstitut (for Karepina). 2.Starshiy inzh. Teknikcheskogo upravleniya Ministerstva morskogo flota (for Sushkov). (Tank vessels) (Corrosion and anticorrosives)

SUSHKOV, B.

Mechanized processes for cleaning oil tankers. Mor. flot no.6 supplement:13-15 '59. (MIRA 12:9)

1.Starshiy inzhener Tekhnicheskogo upravleniya Ministerstva morskogo flota.

(Tank vessels--Cleaning)

MATOV, I.; SUSHKOV, B., inzh.

Make greater use of ultrasonics by the merchant marine. Mor.flot 19 no.8:4-7 Ag '59. (MIRA 12:11)

1. Nachal'nik otdela Tekhnicheskogo upravleniya Ministerstva morskogo flota (for Matov).

(Merchant ships--Equipment and supplies)
(Ultrasonic waves--Industrial applications)

SUSHKOV, B.B., inzh.; SIRYY, Yu.Yu., inzh.

Train ferry to be used on the Caspian Sea. Zhel. dor. transp. 41 no.4:56-57 Ap '59. (MIRA 12:6)
(Caspian Sea--Train ferries)

Sushkov, B.B.

PHASE I BOOK EXPLOITATION SOV/4931

Kostyamin, Boris Nikolayevich, Il'ya Il'ich Kichkin, Yuriy Yur'yevich Siryy, and Boris Borisovich Sushkov.

Primeneniye ul'trazvuka na morskom transporte (Use of Ultrasound in Marine Transportation) Moscow, Izd-vo "Morskoy transport," 1960. 60 p. 3,200 copies printed.

Ed.: V. Ye. Kazakevich; Ed. of Publishing House: Z. D. Ivanova; Tech. Ed.: B. A. Sarayev.

PURPOSE: This booklet is intended for those interested in the application of ultrasonics to the metallurgical and mechanical engineering aspects of shipbuilding.

COVERAGE: The booklet presents the fundamentals of the theory of ultrasonics and the use of ultrasonics in shipbuilding and marine maintenance. No personalities are mentioned. There are 21 references: 19 Soviet, and 2 English.

TABLE OF CONTENTS:

Card 1/3

Varnish and Paint Coatings for Sea-Going Vessels

S/193/60/000/011/018/022
A004/A001

The author recommends the following coating sequence for the painting of the underwater-part of ships hulls: four layers of the anti-corrosion ЭКЖС-40 (EKZhS-40)[15] paint and one or two layers of the anti-overgrowth KhV-53 paint. The YaN-7A paint, developed by engineer N. A. Yanovyy, is used to protect the hulls of steel ships from corrosion and overgrowth and that of wooden ships and hydrotechnical instaliations from various borers. This paint is a thermoplastic mastic coating which contains copper cinder, a toxin against overgrowth. The paint does not contain a solvent and in its ordinary state it is a solid substance. Prior to being applied the paint is melted. It dries (solidifies) within 2-4 minutes, thus cutting down the duration of painting operations considerably. To the surface of metallic ships the YaN-7A paint is applied on a coal varnish primer while wooden ships are painted without primer at temperatures from -15 to +30°C. The thickness of the paint coat applied amounts to 1-2 mm. By its high water resistance and protective properties the paint protects ships hulls during 2-3 years, while e.g. the anti-overgrowth НИВК-2 (NIVK-2)[15] and НИВК-2А (NIVK-2A) preserve their protective properties for 8 - 10 months only. According to preliminary data of the Primorskiy (Primor'ye) Sovnarkhoz, the introduction of this paint has resulted in savings of more than 20 million rubles per year.

Card 2/2

SUSHKOV, Boris Borisovich; ANDREYEVA, L.S., red.; TIKHONOVA, Ye.A., tekhn. red.

[Marine separators and shore installations for separating water from petroleum products] Sudovye separatory i beregovye ustanovki dlia otdeleniia vody ot nefteproduktov. Moskva, Izd-vo "Morskou transport," 1961. 136 p. (MIRA 14:10)

(Oil pollution of rivers, harbors, etc.)
(Separators (Machines))

L 27724-66

ACC NR: AP6008985 SOURCE CODE: UR/0020/66/166/005/1226/1229

23
B

AUTHOR: Petrov, A. A.; Sragovich, V. G.; Sushkov, B. G.

ORG: Computer Center, Academy of Sciences SSSR (Vychislitel'nyy tsentr Akademii nauk SSSR)

TITLE: Possible mechanics governing the oculomotor apparatus

SOURCE: AN SSSR. Doklady, v. 166, no. 5, 1966, 1226-1229

TOPIC TAGS: physiologic model, optic model

ABSTRACT: The authors propose a theoretical model of the oculomotor apparatus, based on the work of D. P. Matyushkin on rabbits and cats. The authors propose a binary motor system for the human eye motor apparatus and suggest that control of the eye motor apparatus is a multilevel process, the lower level effecting realization of the eye-ball movement but not synchronizing it. The authors propose that the motor complex is activated and coordinated by the action of a second level. A schematic for the model is given, followed by theoretical discussion of its applicability. The authors express their deep gratitude to V. S. Gurfinkel' for numerous discussions on physiology which gave impetus to the formulation of the problem and to A. L. Byzov, A. V. Lebedinskiy, D. P. Matyushkin, M. L. Tsetlin and A. L. Yabrus for their discussion of the model. Orig. art. has: 1 figure. [14]

SUB CODE: 06/ SUBM DATE: 31Dec64/ ORIG REF: 004/ OTH REF: 007/ ATD PRESS: 5002

UDC: 591.182

Card 1/1

SUSHKOV, F. V. Cand Biol Sci -- (diss) "Phosphatase activity and morphology of the Auerbach and Meissner plexuses in poultry." Mos, 1959. 24 pp (Mos Vet Acad of the Min of Agr RSFSR), 160 copies (KL, 49-59, 139)

SUSHKOV, F. V.

"The Histochemical Significance of the Method of Gormori as Modified by Chilingaryan."

report submitted for the First Conference on the problems of Cyto and Histochemistry, Moscow, 19-21 Dec 1960.

Chair of Histology of Moscow Veterinary Academy, Moscow.

KHESIN, Ya.Ye.; SUSHKOV, F.V.; MITIN, M.I.

Single-layer cell culture of the kidney of a cow's embryo under normal cultivation conditions and when inoculated with the smallpox virus. Trudy Mosk. nauch.-issl. inst. virus. prep. 2:280-295 '61. (MIRA 17:1)

KHESIN, Ya.Ye; SUSHKOV, F.V.; MITIN, N.I.

Dimensions of the cell nuclei in monostratal tissue cultures of cow and swine embryonal kidneys. TSitologiia no.1:43-51 Ja-F'63. (MIRA 16:6)

1. Laboratoriya patogistologii Moskovskogo nauchno-issledovatel'skogo instituta virusnykh preparatov.
(CELL NUCLEI) (TISSUE CULTURE)

SIURIN, V.N.; OSIDZE, D.F.; PANTELEYEV, Yu.V.; SUSHKOV, F.V.

Propagation of A2 influenza virus in porcine embryo kidney cell cultures. Acta virol. 7 no.4:378 Jl '63.

1. D.I. Ivanovsky Institute of Virology, U.S.S.R. Academy of Medical Sciences, Moscow.
(INFLUENZA VIRUS) (TISSUE CULTURE)
(KIDNEY) (GLYCOGEN) (VIRUS CULTIVATION)

OSIDZE, N.S.; [illegible], V.S.; SUSHKOV, F.V.

[illegible]ation of subincubated cell lines to the nutrient solution with a lactalbumin hydrolysate. Veterinariia 41 no.10:10-13 O '64. (MIRA 18:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut veterinarnoy virusologii i mikrobiologii.

KHESIN, Ya. Ye.; SUSHKOV, F.V.

Effect of the replacement of nutrient medium on the average size of cell nuclei in a monolayer tissue culture. TSitologiia 7 no.5:601-607 S-O '65. (MIRA 18:12)

1. Laboratoriya tsitopatologii, otdel virusologii Instituta epidemiologii i mikrobiologii AMN SSSR, Moskva. Submitted June 12, 1964.

SUSHKOV, I.S.

Graduating device. Mashinostroitel' no.10:20 O '65. (MIRA 18:10)

SUSHKOV, I.S.

Repairing rest carriages. Mashinostroitel' no.6:14 Je '63.
(MIRA 16:7)
(Lathes—Maintenance and repair)

SUSHKOV, I.S.

Repair of tool holders for lathes. Mashinostroitel' no.9:20 S '64. (MIRA 17:10)

SUSHKOV, K.

Great destiny. Stroitel' 2 no.3:24-25 Mr '56. (MLRA 9:12)
(Beloaeva, Liubov' Georgievna)

IOAKIMIS, K.D.; SUSHKOV, K.G., glavnyy vrach.

Single-stage extensive resection of the small and large intestines. Sov. med. 17 no.9:32-33 S '53. (MIRA 6:9)

1. Khirurgicheskoye otdeleniye Romenskoy rayonnoy bol'nitsy.
(Intestines--Surgery)

SUSHKOV, K.L.

Sushkov, K.L. "New prospects for the Alma-Ata decorative percennials", Trudy Resp. botan. sada (Akad. nauk Kazakh. SSR), Vol. 1, 1948, p. 107-23, - Bibliog: p.123.

SO: U-3042, 11 March 53, (Letopis 'nykh Statey, No. 9, 1949)

SUSHKO, L. I.

Botanical Gardens

Floriculture in the Alma-Ata Botanical Garden Biul. Glav. bot. sada No. 9, 1951.

Monthly List of Russian Accessions, Library of Congress, June 1952. Unclassified.

SUSHKOV, K.L.

522 Tsvetovodstvo, (Otkrytyy grunt). Alma-Ata, Izd-vo Akad. Nauk kaz SSR, 1954. 225 s s ill. 23 sm. (Akad. nauk kazakh. SSR). 10.000 ekz. 11 k. U per. — bibliogr: s. 214-16. — /54-54608/p 635.9(584.6)+ /016.3/

SO: Knizhnaya Letopis, Vol. 1, 1955

SUSHKOV, K.L.; KLIMOVSKAYA, Z.A.

Climbing flowering-ornamental plants in the Alma-Ata Botanical Garden. Trudy Alma-At.bot.sada 2:119-131 '54. (MLRA 9:7)
(Gladiolus)

SUSHKOV, K.L.; KLIMOVSKAYA, Z.A.

Climbing flowering-ornamental plants in the Alma-Ata Botanical Garden.
Trudy Alma-At.bot.sada 2:132-140 '54. (MLRA 9:7)
(Alma-Ata--Climbing plants)

SUSHKOV, K.L.; VANIFATOV, D.N.

The plan's instructions on designing the Alma-Ata Botanical Garden of the Academy of Sciences of the Kazakh S.S.R. Trudy Alma-At.bot. sada 3:3-17 '56. (MLRA 10:3)
(Alma-Ata--Botanical gardens)

SUSHKOV, K.L.

Introducing wild flowers into cultivation. Trudy Alma-At. bot. sada 4:12-20 '59. (MIRA 12:12)
(Plant introduction) (Alma-Ata--Wild flowers)

SUSHKOV, K.L.

The Alma-Ata Botanical Garden and its role in ornamental gardening in Kazakhstan. Trudy Alma-At.bot.sada 5:93-96 '60.
(MIRA 13:6)

(Kazakhstan--Plants, Ornamental)

SUSHKOV, K.L.; KLIMOVSKAYA, Z.A.

Some problems in the production of flower seeds. Trudy Alma-At. bot.sada 5:97-109 '60. (MIRA 13:6)
(Alma-Ata--Floriculture) (Seed production)

SUSHKOV, K.L.; BESSCHETNOVA, M.A.

Developing new varieties of roses. Biul. Glav. bot. sada no. 38:91-94 '60. (MIRA 14:5)

1. Botanicheskiy sad AN Kazakhskoy SSR, Alma-Ata.
(Roses—Varieties)

SUSHKOV, K.L.

History of rose culture in Central Asia and Kazakhstan.
Trudy Alma-At. bot. sada 7:3-49. 63. (MIRA 16:10)

SUSHKOV, K.P.

Introducing in Alma-Ata ornamental flowering plants from the wild flora of Kazakhstan. Trudy Bot.inst.Ser.6 no.7:465-468 '59. (MIRA 13:4)

1. Botanicheskiy sad AN KazSSR, Alma-Ata.
(Kazakhstan--Plants, Ornamental)

SUSHKOV, K. V.

42349 SUSHKOV, K. V. - K voprosu o pererabotke kazakhstanskikh mednykh kontsentratov. Trudy Sev.- kavk. Gorno-metallurg. in-ta, VYP 5, 1948, s. 50-55. Bibliog: 13 nazv.

SO: Letopis' Zhurnal'nykh Statey, Vol. 47, 1948.

SUSHKOV, K.V.

BAYKONUROV, O.A.; BELYAYEV, A.I.; BOGOMOLOV, V.I.; VANYUKOV, V.A.; GAZARYAN, L.M.; GLEK, T.P.; GORYAYEV, M.I.; KARCHEVSKIY, V.A.; KLUSHIN, D.N., KUNAYEV, D.A.; LEBEDEV, B.N.; LISOVSKIY, D.I.; LOSKUTOV, F.M.; MITROFANOV, S.I.; MOLCHANOV, A.A.; MOSKVITIN, I.N.; OL'KHOV, N.P.; OSIPOVA, T.B.; PLAKSIN, I.N.; PONOMAREV, V.D.; RUMYANTSEV, M.V.; SOKOL'SKIY, D.V.; SOKOLOV, M.A.; SPASSKIY, A.G.; STRIGIN, I.A.; SUSHKOV, K.V.; SHAKHNAZAROV, A.K.; YASYUKEVICH, S.M.

Khosrov Kurginovich Avetisian, obituary. TSvet.met.27 no.3:66-68 My-Je '54. (MIRA 10:10)

(Avetisian, Khosrov Kurginovich, 1900-1954)

SOV/137-57-6-9778

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 6, p 67 (USSR)

AUTHOR: Sushkov, K.V.

TITLE: The Fluxing Capacity of Iron in Reverberatory Smelting or Electrical Melting of Acid Copper Concentrates (Flyusuyushchaya sposobnost' zheleza pri otrazhatel'noy plavke ili elektroplavke kislykh mednykh kontsentratov)

PERIODICAL: Sb. nauch. tr. Kazakhsk. gorno-metallurgich. in-t, 1956, Nr 13, pp 362-379

ABSTRACT: It is established that the Fe of the Cu concentrates of Kazakhstan converted to oxide forms by roasting may be used in reverberatory melting in place of limestone used as flux.

G.S.

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18.3100

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SOV/149-60-1-11/27

AUTHORS: Sushkov, K. V., Burda, V. T., Ganchenko, V. M., Neiman, V. G., Putilin, Yu. M., Sazhin, Yu. G., Chirkova, N. P., Yaloza, V. G.

TITLE: Experimental Electrosmelting of Lead Concentrates With Soda Under Semi-Industrial Conditions

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Tsvetnaya metallurgiya, 1960, Nr 1, pp 84-90 (USSR)

ABSTRACT: This article describes the application of an experimental method of lead smelting with soda under semi-industrial conditions developed by K. V. Sushkov, Cand. of Techn. Sciences, (Collection of Scientific Works, KazGMI, Nrs 10, 12, 16, 1955). Tests were carried out by the experiemental shop and lead plant (svintoscvyy zavod) of Leninogorsk Combine (Lininogorskiy Kombinat) and by Kazakh Mining and Metallurgical Institute (Kazakhskiy gornometallurgicheskiy institut). Smelting was done in a single-phase electrical furnace with a 0.8 m^2 bottom area, 250 kw transformer

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$Na_2SO_4 + 4CO = Na_2S + 4CO_2$;

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$Na_2CO_3 + 2C = 2Na + 3CO$; SOV/149-60-1-11/27

$PbS + 2Na = Pb + Na_2S$

The theoretical quantity of soda necessary for the reduction of a concentrate with 50% Pb content is 26.6% of the weight of the concentrate. In view of Al_2O_3 and SiO_2 admixtures, this quantity was raised to 70 and even to 100% of the weight of the concentrate; 10% fine coke was added. Soda was 72 to 97% pure; the concentrates contained 35 to 52% Pb; 3.4 to 16.9% Zn; 2 to 8% Cu; 11 to 26% S; 5 to 12.4% Fe. The vacuum under the roof was adjusted by a sliding valve and maintained at 0.5 to 1.0 mm H_2O. Results of melts: 24, 563.5 kg charge was melted and 5,641.8 kg crude lead was obtained. The rate of direct Pb extraction reached 98.4%. Copper concentrated principally in the slag-matte, which contained also 0.35% Pb. 74.64% of Zn content passed into the slag and 14% sublimated. Smelting with 70% by wt of soda produced results not inferior to those with 100% soda. Encouraged by this result, natural soda from Miknailova deposit was

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Table 4. Comparison of technological data for different methods of concentrate smelting.

(A)	(B)	(C)	(D)
(E)	91,6	93,2[1]	98,4
(F)	3,2 2,01	1,3 1,95	0,7 0,35
(G)			
(H)	96 78,0	97 45,0	98,56 94,5
(I)	61,6	3,6	5,9
(J)			
(K)	—	8,81	2,5[2]
(L)	1,8 — 2,2	1,84	0,3[1]
(M)	(N)	(O)	(P)
(R) (S)			
(Q) 1300 - 1350	1450	1000 — 1100	

Card 5/9 Key to Table on Card 6/9

Distribution of accompanying metals is shown in Table 5.

Table 5.
Distribution of metals (in %) according to smelting products.

Smelting Products	Au	Ag	Cd	Bi	Mo	Se	Te	Tl	As	Sb
Crude Lead	98,81	88,4	—	85	—	—	—	—	35,7	83,3
Slag	1,13	11,3	2,1	15	90	95	95,6	55,3	57,3	16,7
Dust	0,06	0,3	97,9	—	10	5	4,4	44,7	7,0	—

Experimental Electrosmelting of Lead Concentrates With Soda Under Semi-Industrial Conditions

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SOV/149-60-1-11/27

Regeneration of soda. Special regeneration tests were carried out. Leaching with water and carbonation of the solution with flue gases containing 6-8% CO_2 permitted the regeneration of 84% soda used in smelting. In their conclusions the authors summarize the above-mentioned facts and underline the high rate of Pb extraction (98.4%) and a high purity of the crude lead (98.56%). The concentration of accompanying metals into separate smelting products (98% of Cd into the dust, 90-98% of Se, Te, Mo into the slag) is also advantageous. The use of natural soda from Mikhailovo deposit in combination with the co-processing of flue dusts is of great importance. There are 5 tables; and 8 Siviet references.

ASSOCIATION: Kazakh Mining and Metallurgical Institute. Chair of General Metallurgy and Metallurgical Furnaces

Card 8/9

S/137/63/000/003/003/016
A006/A101

AUTHOR: Sushkov, K. V.

TITLE: Selenium and tellurium in sodium melting and hydrometallurgical processing of the melt

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 3, 1963, 23, abstract 3G153 ("Tr. Kazakhsk. politekhn. in-ta", 1962, no. 22, 325 - 327)

TEXT: The author investigated the distribution of Se and Te in sodium melting and hydrometallurgical processing of the melt. A Pb concentrate was used for the experiments containing (in %): Pb 47.51, Cu 3.27, Zn 9.97, As 0.14, Sb 0.17, Se 1,300 g/t and Te 500 g/t. Crucible heats of the concentrates were produced with sodium and a reducing agent in graphite crucibles. Pb with high extraction (98%) and slagmatte melt were obtained. The extraction into the melt was 98% Se and 93% Te. The transition of Se and Te into the solution during leaching out the melt with water (at 80°C) was also studied. It was found that with increasing lixiviation time from 30 min up to 6 hours, the Se transition into the solution increases from 13 - 22 to 58%; the Te transition into the

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Selenium and tellurium in sodium melting and...

solution attains 62.5% of the initial amount in the solution. The total extraction into the solution of Se and Te from the initial amounts in the concentrates in sodium melting and leaching out of the melt is up to 57 and 58% respectively.

G. Svodtseva

[Abstracter's note: Complete translation]

Card 2/2

SUSHKOV, K.V.

All-Union Scientific Technological Conference on new methods of complete processing of complex metal ores. TSvet. met. 36 no.4:87-89 Ap '63. (MIRA 16:4)

(Nonferrous metal industries--Congresses)

SUSHKOV, M.F.; GRISHIN, M.P.

Self-propelled bag loader. Mech.transp. 14 no.11:26 N '55.
(Loading and unloading) (MLRA 9:2)

GRISHIN, M.P., inzhener; SUSHKOV, M.F., inzhener.

Self-propelled sack loader. Mekh.trud.rab. 10 no.7:36-37 Jl '56. (MLRA 9:9)
(Loading and unloading)

GRISHIN, M., inzhener; SUSHKOV, M., inzhener.

Automatic sack loader. Muk.-elev.prom.22 no.5:21-22 My '56.
(MIRA 9:9)

1.Vsesoyuznyy nauchno-issledovatel'skiy institut zerna i produktov ego pererabotki.
(Grain-handling machinery)

GRISHIN, M.P., inzh.; SUSHKOV, M.F., inzh.

The ZGS-100 grain loader and methods of its use. Mekh.i avtom. proizv. 17 no.1:45-46 Ja '63. (MIRA 16:2)
(Grain-handling machinery)

SUSHKOV, M. P.

Football instruction and training Izd. 2. Moskva, Fizkul'tura i sport, 1952. 146 p. (V pomoshch' obshchestvennomu instruktoru fizi-cheskoi kul'tury) (53-15984)

GV943.S77

PAVLENKO, L.I., inzh.; SUSHKOV, N.A., inzh.

Improvement of pulverized coal separators. Elek. sta. 32 no.2: 8-11 F '61. (MIRA 16:7)
(Electric power plants--Equipment and supplies)
(Coal, Pulverized) (Separators (Machines))

SUSHKOV, N.I., inzhener.

New dynamometric equipment. Vest.TSNII MPS 15 no.2:58-59 S '56.
(MLRA 9:12)

(Dynamometer)

DMITRIYEV, M.L., prof.; SUSHKOV, N.V.

Total transplantation of the epiphysial growth plate. Ortop., travm. i protez. no.8:30-34 '62. (MIRA 17:10)

1. Iz kafedry detskoy khirurgii i ortopedii (zav.- prof. M.L. Dmitriyev) Odesskogo meditsinskogo instituta imeni Pirogova (rektor - zasluzhennyy deyatel' nauki UkrSSR prof. I.Ya. Deyneka) i ortopedicheskogo otdeleniya (zav.- N.V. Sushkov) Odesskoy gorodskoy detskoy klinicheskoy bol'nitsy (galvnyy vrach- Ye.P. Makarenko).

SUSHKOV, O.P.

The "SMP-1" make layer-forming machine. Leh.prom. no.1:5-9 Ja-Mr '63. (MIRA 16:4)

1. Konstruktorsko-proyektnoye byuro Upravleniya tekstil'noy promyshlennosti Leningradskogo soveta narodnogo khozyaystva.

SUSHKOV, P. F.

Sushkov, P. F. - "Improvement of the disc-type plowshare," Doklady (Mosk. s.-kh. akad. im. Timiryarzeva), Issue 9, 1949, p. 153-56

SO: U-5240, 17, Dec. 53,(Letopis 'Zhurnal 'nykh Statey, No. 25, 1949).

SUSHKOV, P. M.

SUSHKOV, P. M. - Inzh. 1, BALYUKOV, V. S. - Inzh., KOSTYUKOVSKIY, M. G. - Inzh., VASIL'EV, B. F. - Inzh.

Vsesoyuznaya kontora tipovogo proyektirovaniya i tekhnicheskikh issledovaniy (KTIS) mintyazhstroya

Monolitnyye zhelezobetonnyye pokrytiyaodnostashnykh promyshlennykh zdaniy v vide tsilindricheskikh obolochek, vozvodimykh s primeneniyem peredvizhnoy opalubki

Page 64

SO: Collection of Annotations of Scientific Research Work on Construction, completed in 1950. Moscow, 1951

POVIERENNYY, L.D.; SUSHKOV, P.M.

Organizing construction of a standard open-hearth plant.
Stroi. prom. 35 no.1:6-14 Ja '57. (MLRA 10:2)

(Open-hearth furnaces)
(Precast concrete construction)

MALKES, D.A., inzh.; SUSHKOV, P.M., inzh.

Standard plan for the organization of construction of a sintering plant. Prom.stroi. 37 no.2:28-35 F '59. (MIRA 12:3)

1. Gosudarstvennyy institut tipovogo proyektirovaniya i tekhnicheskikh issledovaniy (for Sushkov).
(Metallurgical plants--Design and construction)

BUKSHTEYN, D.I.; AFANAS'YEVA, A.A.; MIKHAYLOV, V.G.; SUSHKOV, P.M.; FILIMONOV, S.V.; ROZHDESTVENSKIY, I.I.; GERASIMOVA, G.S., red.izd-va; RUDAKOVA, N.I., tekhn.red.

[Methods and norms for determining rated costs of and labor required in making precast reinforced concrete construction elements] Metodika i normativy dlia opredeleniia raschetnoi stoimosti i trudoemkosti sbornykh zhelezobetonnykh konstruktsii na stadii ikh proektirovaniia. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1960. 62 p.
(MIRA 13:6)

1. Moscow. Gosudarstvennyy institut tipovogo proyektirovaniya i tekhnicheskikh issledovaniy. 2. Institut ekonomiki stroitel'stva (for Bukshteyn, Afanas'yeva). 3. Institut betona i zhelezobetona (for Mikhaylov). 4. Gosudarstvennyy institut tipovogo proektirovaniya i tekhnicheskikh issledovaniy (Giprotis) (for Sushkov, Filimonov, Rozhdestvenskiy).
(Construction industry--Costs)

MARIONKOV, Konstantin Sergeyevich, dots., kand. tekhn. nauk; SUSHKOV, P.M., nauchnyy red.; GOL'DIN, L.I., red. izd-va; GOL'BERG, T.M., tekhn. red.

[Planning principles for building operations] Osnovy proektirovaniia proizvodstva stroitel'nykh rabot; uchebnoe posobie. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1961. 142 p. (MIRA 14:11)

(Building)

VECHTOMOV, M.I., inzh.; KUDRYAVTSEV, V.A., inzh.; MALKES, D.A., inzh.; OSTROVSKIY, G.I.; POVERENNYY, L.D.; SUSHKOV, P.M., inzh.; TYULENEV, N.Z., inzh. Prinimali uchastiye: GALYAMOVA, N.S., inzh.; PUTEYEVA, N.P.; IZRAYLOVICH, Ye.A., inzh.; MARCHENKO, G.A., inzh.; MALYGINA, Z.S.; SOKOLOVA, Ye.A.; SOKOV, V.N., inzh.; TARASOVA, S.N.; TASHAYEV, A.L., inzh.; FILIMONOV, S.V.; DRALICH, K.F., inzh., nauch. red.; NOVITCHENKO, K.M., inzh., nauchnyy red.; SIMAKOV, S.N., inzh., nauchnyy red.; FAKTOROVICH, Yu.A., kand. tekhn. nauk, nauchnyy red.; STUPIN, Ye.N., otv. red.; LUTOV, N.S., red.; IVANOV, V.S., red.; BAGUZOV, N.P., glav. red.; VOLCHEGORSKIY, M.S., zam. glav. red.; DOBRYNIN, S.N., red.; NAZAROV, I.A., red.; KOLESNIKOV, S.I., red.; MEL'NIKOV, N.P., red.; SUSNIKOV, A.A., red.; STAROVEROV, I.G., red.; LYTKINA, L.S., red. izd-va; GORDEYEV, P.A., red. izd-va; OSENKO, L.M., tekhn. red.

[Handbook for the designer of industrial, residential, and public buildings and structures; organization of construction and execution of building and assembly operations. Industrial construction] Spravochnik proektirovshchika promyshlennykh, zhilykh i obshchestvennykh zdanii i sooruzhenii; organizatsiia stroitel'stva i proizvodstvo stroitel'no-montazhnykh rabot. Promyshlennoe stroitel'stvo. Pod red. P.M. Sushkova. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1961. 372 p. (MIRA 15:2)

(Industrial buildings)

BABAKHODZHAYEV, S.M ; SUSHKOV, V.I.; KOLESNICHENKO, V.A.

Geologic and petrographic characteristics of the Upper Paleozoic volcanic sedimentary formations of the eastern Karamazar Mountains. Trudy Inst. geol. AN Tadzh. SSR 8:132-158 '64.
(MIRA 17:11)

MEYYER, A.A.; SOLDATOV, Ye.A.; SUSHKOV, V.P.

Certain methods for measuring the lifetime of nonequilibrium charge carriers based on photoconductivity modulation. Zav.lab. 27 no.10:1221-1223 '61. (MIRA 14:10)

(Semiconductors) (Electrons)

IGLITSYN, M. I.; VORONKOVA, G. I.; VORONKOV, V. V.; GLARIOSOVA, R. I.; SOLOVYEVA, E. V.; SUSHKOV, V. P.; UKHROVA, E. S.

"The investigation of the recombination processes in single crystals of Si, Ge."

report submitted for Intl Conf on Physics of Semiconductors, Paris, 19-24 Jul 64.

State Sci Res Inst of Rare Metals, Moscow.

ACCESSION NR: AP4046626 S/0181/64/006/010/3107/3113

AUTHORS: Sushkov, V. P.; Fulitsy*n, M. I.

TITLE: Measurement of the photogalvanomagnetic effect in silicon

SOURCE: Fizika tverdogo tela, v. 6, no. 10, 1964, 3107-3113

TOPIC TAGS: silicon, photogalvanomagnetic effect, photoconductivity, diffusion length, carrier mobility

ABSTRACT: The authors state difficulties responsible for the failure, so far, of measurements and interpretations of the photogalvanomagnetic (PGM) effect in silicon. The phenomenological theory of the PGM effect and of the steady-state photoconductivity (SPC) is presented briefly for an isotropic semiconductor at low injection levels. Apparatus is described for the measurement of the PGM effect and SPC effects and of their spectra using white light. Apparatus consisted of: (1) a light source (400 W lamp) modulated at 625

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cps by a perforated-disk chopper (with a monochromator for the spectral studies); (2) a cryostat and sample holder in a vacuum system for measurements between 77 and 500°K; (3) a dc power supply for the sample; (4) a recorder of the voltage signal (a microvoltmeter of the V6-4 type for the SPC measurements; the same voltmeter and a synchronous recorder of the SD-1 type for the PGM-effect measurements down to 5×10^{-9} V); (5) a circuit for the elimination of the volume photo-emf which interferes strongly with the PGM-effect measurements. The latter circuit consisted of an auxiliary compensating-signal oscillator (with continuously variable amplitude and phase) and a mixer. By a suitable selection of the phase and amplitude of the compensating signal it was possible to reduce the volume photo-emf signal by a factor of 50--80. The samples were made of n-type silicon doped with phosphorus and gold. They were etched in boiling 30% solution of $K_4Fe(CN)_6$ followed by immersion in 2% solution of the same compound. In some cases etching in CP-8 was employed. These treatments produced desirable antiblocking layers

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ACCESSION NR: AP4046628

at the sample surface. The samples etched in $K_4Fe(CN)_6$ exhibited a linear dependence of the PGM and SPC voltages on the illumination intensity, but those etched in CP-8 had a nonlinear dependence. The spectra of the PGM effect and of the SPC were obtained between λ = 0.61 and 1.13 μ. The minority-carrier diffusion length (3.7--6.0 μ) and lifetime (τ_p = 1.2 x 10^{-8}--8 x 10^{-8} sec) were deduced from the PGM effect. Orig. art. has: 4 figures, 7 formulas and 1 table.

ASSOCIATION: Gosudarstvenny*y nauchno-issledovatel'skiy i proyektny*y institut redkometallicheskoy prony*shlennosti, Moscow (State Scientific-Research and Design Institute for Rare-Metal Industry)

SUBMITTED: 14Feb64 ENCL: 00

SUB CODE: SS NR REF SOV: 006 OTHER: 005

Card 3/3

L 45810-66 EWT(1) IJP(c) WW/GG

ACC NR: AR6023272 SOURCE CODE: UR/0058/66/000/003/D099/D099

AUTHOR: Skomorovskiy, Yu. A.; Sushkov, V. P.; Zborovskiy, A. A. 51 B

TITLE: Amplitude and frequency characteristics of a semiconductor light source

SOURCE: Ref zh. Fizika, Abs. 3D833

REF. SOURCE: Tr. uchebn. in-tov svyazi. M-vo svyazi SSSR, vyp. 24, 1965, 11-18

TOPIC TAGS: light source, gallium arsenide, frequency characteristic, optic property

ABSTRACT: Results are described of experimental investigations of sources of incoherent optical radiation of GaAs. Characteristics are presented of the dependence of the radiated light flux on the current flowing through the semiconductor, for sources without and with cooling of 77K. Theoretical justification and a procedure are presented for an experiment on the determination of the upper limit of the frequency band of the radiation. The possibility is demonstrated of using the sources under consideration for communication systems. V. Zakharenkov. [Translation of abstract]

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ACC NR: AP5027041 O

radiation. Total error in the circuit amounts to 8 x 10^{-10} sec in τ_{eff}. The theoretical analysis is based on the p-n junction diffusion theory. The behavior of minority carriers is determined from the kinetic equations. An expression is derived for the number of radiated photons. It is shown that τ_{eff} determines the upper limiting modulation frequency of recombination radiation as well as the lifetime of electrons and holes. Orig. art. has: 18 formulas and 2 figures. [04]

SUB CODE: EC, EM/ SUBM DATE: 19Jun64/ ORIG REF: 001/ ATD PRESS: 4141

Card 2/2

ACC NR: AP6037016

differences are attributed to temperature variations of the degree of degeneracy. The results indicate that extreme caution is necessary in the interpretation of measurements of the photoelectromagnetic effect in the interpretation of measurements of the photoelectromagnetic effect in strongly doped semiconductors, especially of the III - V group. Orig. art. has: 1 figure.

SUB CODE: 20/ SUBM DATE: 03May65/ ORIG REF: 002/ OTH REF: 004

Card 2/2

SUSHKOV, Vyacheslav Vladimirovich, 1880-

Technical thermodynamics. 4. perer. izd. Moskva, Gos. energ. izd-vo, 1946.
312 p. (48-34600)

TJ265.S85 1946

PHASE I BOOK EXPLOITATION SOV/4363

Sushkov, Vyacheslav Vladimirovich

Tekhnicheskaya termodinamika (Applied Thermodynamics), 6th ed., rev. Moscow, Gosenergoizdat, 1960. 376 p. 30,000 copies printed.

Ed.: V. A. Kirillin, Corresponding Member, Academy of Sciences USSR; Tech. Ed.: K. P. Voronin.

PURPOSE: This book is intended primarily for students of higher technical schools not specializing in power engineering and conforms with the curriculum approved by the Ministry of Higher Education.

COVERAGE: The book gives the fundamental laws of thermodynamics and their application to the theory of heat engines. It discusses cycles in steam power plants, internal combustion engines, and refrigeration plants. It also deals with the theory of gas discharge and humid air. The author of a textbook on applied thermodynamics, A. S. Yastrzhembskiy, is

Card 1/9

TABLE OF CONTENTS:

Card 2/9

SUSHKOV, Yuriy Nikolayevich, kand.tekhn.nauk; KADER, Ya.M., red.; KUZ'MIN, I.F., tekhn.red.

[Engines of spaceships] Dvigateli kosmicheskikh korablei. Moskva, Voenizdat, 1962. 171 p. (MIRA 15:12)
(Spaceships—Propulsion systems)

KROSHKIN, Mikhail Galaktionovich, kand. fiziko-matem. nauk; SUSHKOV, Yu.N., kand. tekhn. nauk, red.; KADER, Ya.M., red. izd-va; TSVETKOVA, L.K., red. izd-va; CHAPAYEVA, R.I., tekhn. red.

[Man penetrates outer space; scientific research by means of rockets and artificial satellites] Chelovek pronikaet v kosmos; nauchnye issledovaniia s pomoshch'iu raket i sputnikov. Moskva, Voen. izd-vo M-va oborony SSSR, 1961. 158 p. (MIRA 15:3)
(Space sciences)

SUSHKOV, Yu.

PONOMAREV, A., general-polkovnik inzhenerno-tekhnicheskoy sluzhby; POKROVSKIY, G., prof., doktor tekhnicheskoy sluzhby; KUVAL'DIN, A., dots., kand. tekhnicheskikh nauk inzhener-polkovnik; MOSTOVENKO, V., dots., kand. tekhnicheskikh nauk inzhener-polkovnik; GONCHAROV, M., polkovnik; TARANTSOV, A., polkovnik; VASIL'YEV, N., polkovnik; GORDEYEV, N., kapitan 1 ranga; KOZIN, K., kapitan 1 ranga; ARKHIPOV, M., dots., kand. tekhn. nauk inzhener-podpolkovnik; SEDOV, A., dots., kand. tekhn. nauk, inzhener-podpolkovnik; MELIK-PASHAYEV, N., dots., kand. tekhn.nauk, inzhener-podpolkovnik; TIKHOMIROV, Yu., dots., kand. tekhn. nauk, inzhener-podpolkovnik; PARFENOV, V., kand. tekhn. nauk, inzhener-podpolkovnik; GEORGIYEV, A., inzh.-podpolkovnik; KRUCHININ, V., inzh.-podpolkovnik; MEKONOSHIN, N., inzh.-podpolkovnik; RYKOV, S., inzh.-podpolkovnik; SURIKOV, B., inzh.-podpolkovnik; ZHUKOV, V., inzh.-mayor; NOVIKOV, M., inzh.-mayor; SUSHKOV, Yu., inzh.-kapitan; ASTASHENKOV, P.T., inzh.-podpolkovnik; VASIL'YEV, A.A., red.; KARYAKINA, M.S., tekhn. red.

[New advances in military technology for youthful readers] Molodezhi o novom v voennoi tekhnike. Moskva, Izd-vo DOSAAF, 1961. 342 p. (MIRA 15:2)

(Rockets (Ordnance)) (Atomic weapons)
(Electronics in military engineering)

SUSHKOV, Yu., kand.tekhn.nauk

Forward in space. Izobr. i rats. no.3:2-3 Mr '61. (MIRA 14:3)
(Artificial satellites)

SUSHKOV, Yu., kand.tekhn.nauk

Man, machine, space. Izobr. i rats. no. 4:4-5 Ap '61. (MIRA 14:4)

(Space flight)

PHASE I BOOK EXPLOITATION SOV/6289

Sushkov, Yuriy Nikolayevich, Candidate of Technical Sciences

Dvigateli kosmicheskikh korabley (Spaceship Engines). Moskva, Voyenizdat, 1962. 171 p. (Series: Nauchno-populyarnaya biblioteka Voyennogo izdatel'stva) 27,000 copies printed.

Ed.: Ya. M. Kader; Tech. Ed.: I. F. Kuz'min.

PURPOSE: This booklet is intended to familiarize the general reader with spaceship engines. It may also be used by Party activists and propagandists.

COVERAGE: The booklet is devoted to problems in rocket aircraft and rocket-propelled spaceships. Present and future arrangements of spaceship engines and their operating principles are described. There are 30 references, 10 of them translations of Western sources.

TABLE OF CONTENTS [Abridged]:

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SUSHKOV, Yu., kand.tekhn.nauk

Increasing the reliability of machinery and instruments. Izobr.i rats. no.4:15-16 Ap '62. (MIRA 15:4)
(Machinery—Maintenance and repair) (Instruments)

SUSHKOV, Yu., kand.tekhn.nauk

Heading toward Mars. Izobr.i rats. no.12:1 D '62. (MIRA 15:12)
(Space flight to Mars)

L 23565-65 EEC-2/EWG(j)/FSF(h)/FSS-2/EWG(r)/EWT(1)/FS(v)-3/EEC(k)-2/EWG(v)/
EWA(d)/EWG(a)/EWG(c) Pe-5/Pi-4/Po-4/Pq-4/Pac-4/Pae-2 TT/DD/RD/GW
AM4036540 BOOK EXPLOITATION S/

Sushkov, Yuriy Nikolayevich (Candidate of Technical Sciences)

Space flights (Polety v kosmos). Moscow, Voyenizdat, 1963. 143 p. illus., biblio. 58,000 copies printed.

TOPIC TAGS: manned space flight, weightlessness, space vehicles, rockets, cosmonautics

PURPOSE AND COVERAGE: This book is a popular-science study of rocket technology

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SUB CODE: AS SUBMITTED: 21Nov63 NO REF SOV: 043

OTHER: 002

Card 2/2

SUSHKOV, Yu.N., aspirant

Localization of the nerve ganglia and nerve cells in the human heart. Sbor. trud. Kursk. gos. med. inst. no.13:314-318 '58. (MIRA 14:3)

1. Iz kafedry normal'noy anatomii (zav. - prof. A.A. Otelin) Kurskogo gosudarstvennogo meditsinskogo instituta.
(HEART--INNERVATION)

SUSHKOV, Yu.N., assistent; KHAKHALEV, E.I., aspirant; OTELIN, V.A., student VI kursa

Method of the decalcification of the bony tissue. Sbor. trud. Kursk. gos. med. inst. no.16:129-131 '62. (MIRA 17:9)

1. Iz kafedry normal'noy anatomii (zav. - prof. A.A. Otelin) Kurskogo meditsinskogo instituta.

L 45968-66 EWT(1) SCTB JKT/DD/JT/GD/RD/JXT(CZ)
ACC NR: AT6030698 SOURCE CODE: UR/0000/66/000/000/0126/0140

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B+1

AUTHOR: Sushkov, Yu. N.

ORG: none

TITLE: The criterial method of research in biology and medicine

SOURCE: Konferentsiya po kosmicheskoy biologii i meditsine, 1964. Materialy. Moscow, Inst. mediko-biol. problem, 1966, 126-140

TOPIC TAGS: space biology, space medicine, cybernetics, biometrics, data processing, ~~statistical processing~~ statistics

ABSTRACT: The basic positions developed by the author relative to criterial, or conditional methods of mathematical research in biology and medicine are presented. Also treated are the processing of statistical data, the planning of experiments, the diagnosis of diseases, and an example of the application of this method in processing experimental data on the relative stability of the first lumbar vertebra of man. The author lists the conditions used in biology and medicine as follows: 1) Each quality of a medical or biological object is characterized by its own unique condition. For man (for example, cosmonauts), it is possible to establish criteria of resistance to accelerations, increased temperature, degree of physical training, and strength or stability of the first lumbar vertebra, etc. 2) The numerical value of a criterion for a group of homogeneous objects is consistent, e.g., the "individual

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scatter" of numerical values is small. 3) The numerical value of a criterion is a measure of the development or perfection of the given object relative to a given quality. 4) The accuracy of the mathematical analysis of a given biological phenomenon depends on the number of variables involved in a criterion. Here, technical difficulties of computation are encountered. At the present time, a comprehensive theory of formalized methods for establishing criteria has not been developed. Thus, to establish the form of a criterion and values of its coefficients and exponents requires massive computations. From this, it is proposed that the criterial method of processing data can only be realized through the use of digital computers. 5) The criterial method of research renders possible sufficiently reliable statistical processing of a fairly small number of experiments. In general, the necessary number of experiments should equal the general number of constants (exponents and coefficients of a criterion) to be studied. This means that if three or four variables are encompassed by a criterion, then five to ten experiments are sufficient to obtain accurate data. The author continues, qualifying these conditions with examples, and citing known and expanded mathematical and statistical approaches to the processing of biological and medical data. In his concluding remarks, the author states that the criterial method of computer diagnostics involves two steps: The first step takes place in a medical research establishment or large clinic and consists of establishing a criterion of the existence of a given disease based on the observation of a number of patients. The second step involves the application of the established criterion in medical practice. It is proposed that

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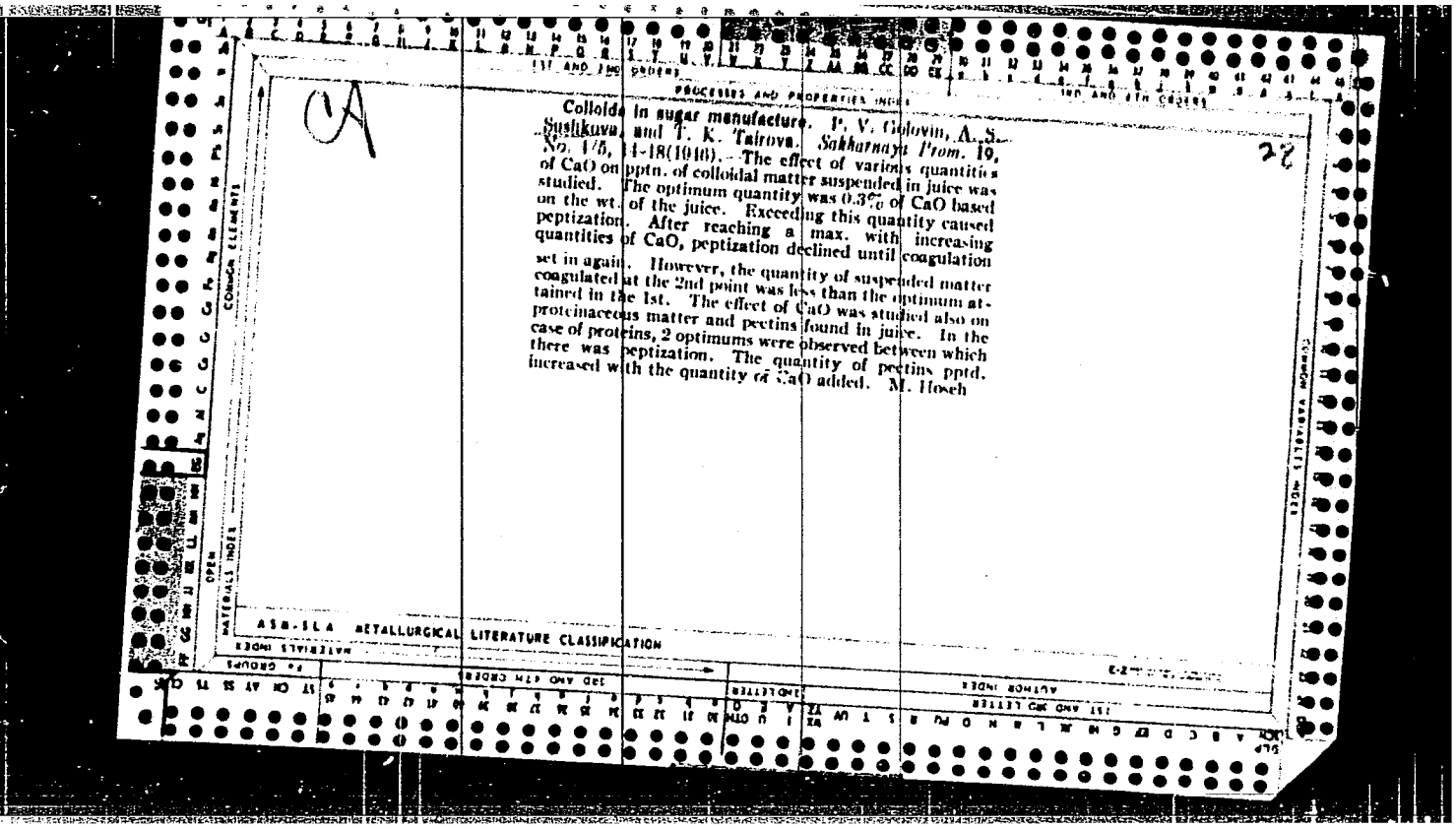
the criterial method can also be applied to assessing the condition of cosmonauts during spaceflight or test personnel during experimentation. The author will continue to develop theoretical bases for the application of the criterial method in biology and medicine. Orig. art. has: 4 figures and 2 tables. [CD]

SUB CODE: 06/ SUBM DATE: 14Apr66/ ATD PRESS: 5086

Card 3/3 blg



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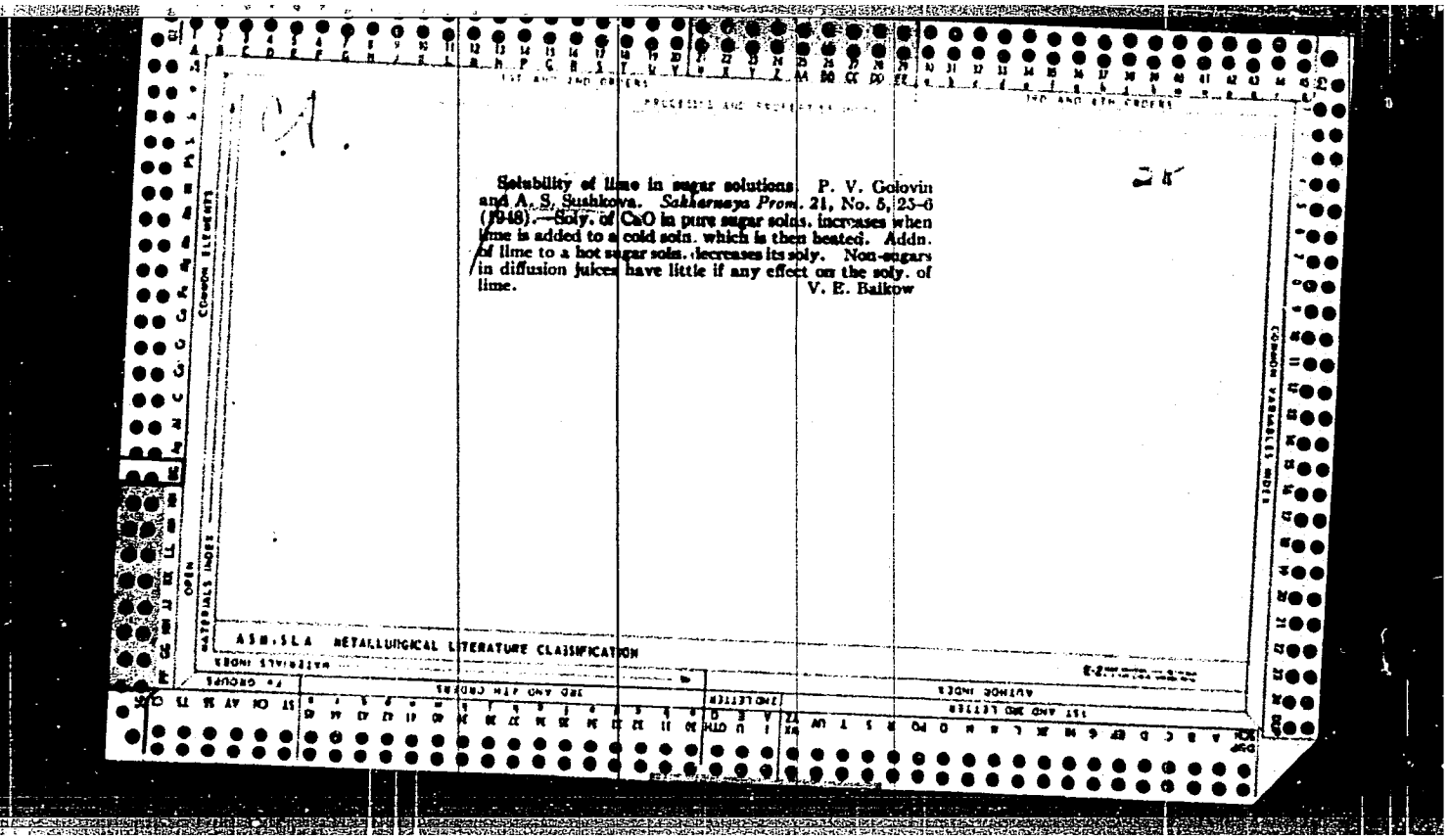
Colloids in sugar manufacture. P. V. Golovin, A. S. Suslikova, and T. K. Tairova. *Sakharnaya Prom.* 19, No. 1/5, 14-18(1946). The effect of various quantities of CaO on pptn. of colloidal matter suspended in juice was studied. The optimum quantity was 0.3% of CaO based on the wt. of the juice. Exceeding this quantity caused peptization. After reaching a max. with increasing quantities of CaO, peptization declined until coagulation set in again. However, the quantity of suspended matter coagulated at the 2nd point was less than the optimum attained in the 1st. The effect of CaO was studied also on protcinaceous matter and pectins found in juice. In the case of proteins, 2 optimums were observed between which there was peptization. The quantity of pectins pptd. increased with the quantity of CaO added. M. Hoseh

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

MARCHENKO, I.I.; SUSHKOVA, A.S.

Sunflower-Jerusalem artichoke hybrid as a rubber plant. Dop.AN URSR ne.4:16-20 '48. (MLRA 9:9)

1.Institut genetiki i selektsii Akademii nauk Ukrains'koi RSR. Predstavlene diysnim chlenom AN URSR V.Ya Yur'yevim.
(Helianthus) (Rubber plants)



Solubility of lime in sugar solutions. P. V. Golovin and A. S. Sushkova. *Sakharnaya Prom.* 21, No. 8, 23–6 (1948).—Soly. of CaO in pure sugar solns. increases when lime is added to a cold soln. which is then heated. Addn. of lime to a hot sugar soln. decreases its soly. Non-sugars in diffusion juices have little if any effect on the soly. of lime.

V. E. Baikow

SUSHKOVA, A. S.

Sushkova, A. A. "Experience from systematic investigations of the intermediate products in obtaining fructose from a group of reducing sugars", Uke. khim. shurnal, Vol. XIV, Issue 2, 1949, p. 82-89.

SO: U-4392, 19 August 53, (Letopis 'Zhurnal 'nykh Statey, No 21, 1949).