Behavior of unperturbed systems ...

coefficients. The stability of the compensation system is investigated on the assumption that $a_{xd}=a_{yd}=a_{zd}=0$. It is shown that the compensation system for gravitational acceleration is unstable. The general motion of a system of this kind consists in (1) a harmonic oscillation with a period $T_1=2\pi\sqrt{R/g}$; (2) oscillations with the same period but with a growing amplitude; and 3) an aperiodic, exponentially increasing motion with a time constant $T_2=T_1/2\sqrt{2}$. From the results of the investigations, three theorems have been deduced: 1) The compensation of gravitational acceleration in all three channels of the inertial system leads to the characteristic equation $(p^2+\beta^2)^2(p^2-2\beta^2)=0$ for the error of each of these channels. 2) The oscillation period of the error of the inertial system is equal to the period of the satellite traveling on an orbit of radius R about an equivalent celestial body with the first cosmic velocity $V_1=\sqrt{gR}$. 3) The time constant of the error increase of the inertial system is equal to the time constant of the motion of a satellite moving away from an equivalent celestial body with the second cosmic velocity $V_2=\sqrt{2gR}$

Card 5/ 7

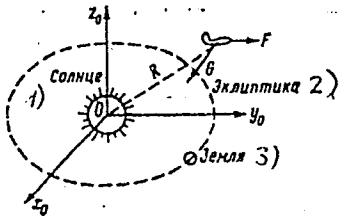
Behavior of unperturbed systems ...

There are 3 figures and 1 Soviet-bloc reference.

PRESENTED: January 23, 1961, by V. S. Kulebakin, Academician

SUBMITTED: January 16, 1961

Fig. 1: System under consideration.
Legend: (1) Sun; (2) ecliptic;
(3) Earth.



Card 6/ 7

Seleznev, V.P

S/194/62/000/009/081/100
D413/D308

AUTHOR: Seleznev, V.

TITLE: Cosmic navigation

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika, no. 9, 1962, abstract 9-7-131 t (Aviatsiya i kosmonavtika, no. 2, 1962, 31-38)

TEXT: The author considers the principles of the design of inertial and astro systems for cosmic navigation, and their interaction in complex systems. He assesses the possibility of including ground radars in a system complex, and also the application of computers to select the correct trajectory for flight towards celestial bodies. 9 figures. [Abstracter's note: Complete translation.]

Card 1/1

PETROV, V.P., kand.tekhn.nauk (Leningrad); SELEZNEV, V.P., kand.tekhn.nauk (Moskva)

Space navigation. Priroda 51 no.8:14-23 Ag '62. (MIRA 15:9)
(Space flight)

SELEZNEV, V., inzh.-polkovnik, dotsent, kand.tekhn.nauk

Is the universe expanding? Av.i kosm. 46 no.7:16-19 Jl '63. (MIRA 16:8)

(Cosmology) (Dopler effect)

[illegible], V.A.; SAVEL'YEVa, V.I.; [illegible], V.[illegible]; [illegible], D.V.

Studying the behavior of some radioactive isotopes during the extraction of uranyl sulfate by trialkylamine. Trudy MKhTI no.47:151-158 '64. (MIRA 18:9)

SELEZNEV, V.P., prof.

Navigators of the universe. Zem.i vsel. 1 no.2:39-45 Mr-Ap '65.
(MIRA 18:8)

L 05059-67 EWT(d)/FSS-2/EWT(m)/EWP(w)/EEC(k)-2/EWP(v)/EWP(k) IJP(c) AST/EW/JT UR/ 70 69 84/

ACC NR: AM6013867 Monograph

Seleznev, Vasiliy Petrovich (Engineer, Colonel, Doctor of Technical Sciences, Professor); Kirst, Mikhail Andreyevich (Candidate of Technical Sciences)

Aerospace vehicle navigation systems (Sistemy navigatsii kosmicheskikh letatel'nykh apparatov) Moscow, Voyenizdat M-va obor. SSSR, 1965. 207 p. illus, biblio. 4500 copies printed.

TOPIC TAGS: space navigation, celestial navigation, navigation aid, navigation system, navigation equipment, satellite navigation, spacecraft navigation

PURPOSE AND COVERAGE: This book is intended for all personnel engaged in aeronautics, for aeronautics schools, and for general readers interested in space navigation. It systematically discusses the navigational systems used aboard aerospace vehicles and in ground centers, classifies such systems, and describes the progress being made in navigation engineering. Stress is laid on the importance of reliability and accuracy of instrumentation and devices, the automatic reaction of devices to environmental conditions, solar mechanics,

UDC 629.197.3

Card 1/2

L 05052-67
ACC NR: AM6013867

and astronomy. This book has 80 illustrations.

TABLE OF CONTENTS [abridged]:

SUB CODE: 17/ SUBM DATE: 30Oct65/ ORIG REF: 15/ OTH REF: 022

Card 2/2

DANKOVTSEV, A.G.; SELEZNEV, V.S.; AVDEYEV, P.P.

System of measures worked out for the development of livestock farming in Krasnoyarsk Territory. Zhivotnovodstvo 21 no.9:3-10 S '59. (MIRA 13:1)

1. Zamestitel' predsedatelya Krasnoyarskogo krayispolkoma; nachal'nik krayevogo upravleniya sel'skogo khozyaystva (for Dankovtsev). 2. Direktor Krasnoyarskogo nauchno-issledovatel'skogo instituta sel'skogo khozyaystva (for Seleznev). 3. Glavnyy zootekhnik Krasnoyarskogo upravleniya sel'skogo khozyaystva (for Avdeyev).
(Krasnoyarsk Territory--Stock and stockbreeding)

SELEZNEV, V.V.

AID P - 1925

Subject : USSR/Electricity

Card 1/1 Pub. 29 - 5/31

Author : Seleznev, V. V., Eng.

Title : Pulverizing coal with steam

Periodical : Energetik, 3, 10-12, Mr 1955

Abstract : The author developed a method of pulverizing coal in a steam-pneumatic apparatus. The three installations of that type were built respectively in 1947, 1949, and 1950. All three work satisfactorily. The pulverized coal feeds one Shukhov-Berlin A-7 type boiler and two Babcok and Wilcox boilers which were remodeled from stoker-fed into pulverized fuel-fired. The efficiency of the boilers increased considerably. The author describes and illustrates details of the pulverizing equipment. Three drawings.

Institution: None

Submitted : No date

SELEZNEV, V.V.

General services organizations. Gor.khoz.Mosk. 36 no.2:20-22 F '62. (MIRA 16:2)

1. Upravleniye bytovogo i kommunal'nogo obsluzhivaniya Moskovskogo gorodskogo ispolnitel'nogo komiteta. (Moscow—Service industries)

SELEZNEV, V.V.

Fishes in the bodies of water of the Oka Preserve. Trudy OGZ no.5:5-26 '63. (MIRA 17:10)

SELEZNEV, Ya.G., revizor-zemlemer

For simplified record keeping and registration of land. Zemledelie 8 no.12:69-71 D '60. (MIRA 13:11)

1. Penzenskoye oblastnoye upravleniye sel'skogo khozyaystva. (Land)

SELEZNEV, Ye.

For further technical progress in river harbors. Rech. transp. 19 no.4:9-12 Ap '60. (MIRA 14:3)

1. Nachal'nik upravleniya portovogo khozyaystva i mekhanizatsii Ministerstva rechnogo flota.
(Cargo handling) (Docks)

SELEZNEV, Ye.K., kand.med.nauk

Resection of the liver in operations for cancer of the stomach. Vest.khir. no.7:71-75 '61. (MIRA 15:1)

1. Iz fakul'tetskoy khirurgicheskoy kliniki No.2 (nach. - prof. M.S. Lisitsyn) Voyenno-meditsinskoy ordena Lenina akademii im. S.M. Kirova.
(STOMACH--CANCER) (LIVER--SURGERY)

SELEZNEV, Ye.K., kand.med.nauk (Leningrad, M-135, ul.Frunze, d.21, kv.146)

Effect of potentiated anesthesia on the antitoxic function of the liver in operations on the stomach. Nov. khir. arkh. no.12:17-23 D '61. (MIRA 14:12)

1. Kafedra fakul'tetskoy khirurgii No.2 (nachal'nik - zasluzhennyy deyatel' nauki, prof. M.S.Lisitsyn) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova.
(STOMACH--SURGERY) (LIVER) (ANESTHESIA)

SELEZNEV, Ye.K., kand. med. nauk (Leningrad, ul. Frunze, d.21, kv.146)

Hepatectomy in various liver diseases. Vest. khir. 91 no.9:80-83 S'63. (MIRA 17:4)

1. Iz gospital'noy khirurgicheskoy kliniki (zav. prof. F.G. Uglov) 1-go Leningradskogo meditsinskogo instituta imeni I.P. Pavlova i 2-y fakul'tetskoy khirurgicheskoy kliniki (nachal'nik - prof. A.V. Mel'nikov (deceased)) Voyenno-meditsinskoy ordena Lenina akademii imeni Kirova.

SELEZNEV, Ye.K., kand. med. nauk (Leningrad, ul. Frunze, d. 21, kv.146)

Errors in diagnosis and surgical tactics in acute appendicitis. Vestn. khir. Grekov. 90 no.4:109-112 Ap'63 (MIRA 17:2)

1. Iz Voyenno-meditsinskoy ordena Lenina akademii im. S.M. Kirova.

SELEZNEV, Ye.K., kand. med. nauk (Leningrad, ul. Frunze, 21, kv. 146)

Late results of the treatment of chronic cholecystitis. Vest. khir. 92 no.1:26-29 Ja '64. (MIRA 17:11)

1. Iz gospital'noy khirurgicheskoy kliniki (zav. - prof. F.G. Uglov) 1-go Leningradskogo meditsinskogo instituta imeni Pavlova i 2-y fakul'tetskoy khirurgicheskoy kliniki (nachal'nik - prof. A.V. Mel'nikov [deceased]) Voyenno-meditsinskoy ordena Lenina akademii Kirova.

SELEZNEV, Ye.K., kand. med. nauk (Leningrad, M-135, ul.Frunz, d.21.kv.146)

Resection of the liver in echinococcosis. Klin. khir. no.3: 47-50 '65. (MIRA 18:8)

1. Kafedra gospital'noy khirurgii (zav. - chlen-korrespondent AMN SSSR, prof. F.G.Uglov) 1-go Leningradskogo meditsinskogo instituta imeni Pavlova i kafedra fakul'tetskoy khirurgii II (nachal'nik - deystvitel'nyy chlen AMN SSSR, prof. A.V.Mel'nikov [deceased]) Voyenno-meditsinskoy ordena Lenina akademii imeni Kirova.

SELEZNEV, Ye.S.

Let us persistently apply progressive methods for port and fleet operation. Rech. transp. 14 no.5:10-12 My '55. (MLRA 8:7)

1. Zamestitel' Ministra rechnogo flota.
(Merchant Marine) (Harbors)

SELEZNEV, Yu., inzhener.

Improving the performance of the K-25 carburetor. Avt.transp. 32 no.7:37 Jl '54. (MLRA 7:9)
(Automobiles--Engines--Carburetors)

L 20964-65 AFTC(p)
ACCESSION NR: AP5001377 S/0310/64/000/007/0040/0042

AUTHORS: Lakhanin, V. (Doctor of technical sciences); Seleznev, Yu. (Engineer)

TITLE: Method for determining marine engine power

SOURCE: Rechnoy transport, no. 7, 1964, 40-42

TOPIC TAGS: marine engine, power measurement, pressure measurement / 5D50 engine, Ch10.5/13 engine, SB 350 engine, R6DV 1/8 engine, 6ChSP 25/34 engine, 4D40 engine, 6D30/50 engine, MAN 42.5/60 engine, 6BK 43 engine, 6ChSP 18/22 engine

ABSTRACT: After a review of existing methods for measuring indirectly the mean effective pressure of marine engines, a new method based on theoretical and experimental work, performed at the Department of Thermodynamics and Marine Engines of the NIIVT, is proposed. This method uses the following formulas to calculate the mean effective pressure p_e (kg/cm^2) of a given engine: a) two-stroke:

$$p_i = \psi\left\{\frac{8{,}24(p_t - 0{,}5p_{t\cdot o} + 0{,}5)^{1{,}36}}{(p_z+1)^{0{,}25}} - \right.$$
$$\left. - 1{,}09[p_{t\cdot o} + 1 - 0{,}065(p_c+1)]\right\};$$

b) four-stroke, not supercharged:

$$p_i = \psi\left\{\frac{8{,}24(p_t - 0{,}5p_{t\cdot o} + 0{,}25)^{1{,}36}}{(p_z+1)^{0{,}25}} - \right.$$
$$\left. - 1{,}09[2p_{t\cdot o} + 1 - 0{,}065(p_c+1)]\right\};$$

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L 20964-65
ACCESSION NR: AP5001377

c) four-stroke supercharged:

$$p_t = \psi\left\{\frac{0{,}24\left(p_{t'} - 0{,}5p_{t'\cdot o} + 0{,}25 - \frac{p_H + p_B}{8}\right)^{1{,}25}}{(p_z+1)^{0{,}25}} - 1{,}09\left[2p_{t'\cdot o} + 1 - \frac{p_H + p_B}{2} - 0{,}065(p_c+1)\right]\right\};$$

$$\psi = 0{,}86 + 0{,}56\frac{R}{L};$$

(where p_t - time average cycle pressure; $p_{t\cdot o}$ - time average pressure without combustion; p_z - maximum cycle pressure; p_c - maximmum cycle pressure without fuel; p_H- cylinder inlet pressure; p_B- exhaust pressure; R- crankshaft radius; L- connecting rod length). These equations were checked with a large amount of experimental data for engines 5D50, ChI0.5/13, SB-350, R6DV-148, 6ChSP 25/34, D40, 6D30/50, MAN 42.5/60, 6BK-43 and 6ChSP 18/22. The equations were found to be applicable over a wide range of conditions (p_z = 30-110 atm, p_c = 22-60 atm).

Orig. art. has: 6 formulas.

Card 2/3

L 20964-65
ACCESSION NR: AP5001377

ASSOCIATION: NIIVT

SUBMITTED: 00 ENCL: 00

SUB CODE: PR NO REF SOV: 007 OTHER: 000

Card, 3/3

107-57-4-43/54

AUTHOR: Seleznev, Yu. (Telyatnikovo, Pskov Oblast)

TITLE: Using the Loudspeaker From a "Rodina-52" Radio Receiver for a Wire-broadcast Network (Ispol'zovaniye gromkogovoritelya priyemnika "Rodina-52" dlya raboty ot translyatsionnoy seti)

PERIODICAL: Radio, 1957, Nr 4, p 51 (USSR)

ABSTRACT: To spare batteries of the "Rodina-52" receiver, its loudspeaker can be connected to the wire-broadcast network when listening to local broadcasts. A simple diagram illustrates the suggestion.
There is one figure in the article.

Card 1/1

SELEZNEV, Yu.; SEN'KO, A.; SUDARCHIKOV, V.

Testing of engines. Mor. flot 22 no.6:25 Je '62. (MIRA 15:7)

1. Starshiy inspektor rechnogo Registra RSFSR (for Seleznev).
2. Upolnomochennyy Ministerstva rechnogo flota po priyemke flota pri Sretenskom sudostroitel'nom zavode (for Sen'ko).
3. Nachal'nik otdela tekhnicheskogo kontrolya Sretenskogo sudostroitel'nogo zavoda (for Sudarchikov).
(Marine engines—Testing)

LAKHANIN, V., doktor tekhn. nauk; SELEZNEV, Yu., inzh.

Method of determining the power of marine engines.
Rech. transp. 23 no.7:40-42 Jl '64. (MIRA 17:10)

1. Novosibirskiy institut inzhenerov vodnogo transporta
(for Seleznev).

SELEZNEV, Yuriy Aleksandrovich; YAVORSKIY, B.M., prof., red.; VERES, L.F., red.

[Fundamentals of elementary physics; a textbook for self-education] Osnovy elementarnoi fiziki; posobie dlia samo-obrazovaniia. Moskva, Nauka, 1964. 374 p. (MIRA 17:12)

ZHIDKOV, S.K.; SELEZNEV, Yu.M., inzh. po ratsionalizatsii

Relay for checking the grounding of equipment in electric traction stations. Elek. i tepl. tiaga 7 no.4:22 Ap '63. (MIRA 16:5)

1. Starshiy inzh. Mytishchinskogo uchastka energosnabzheniya Moskovskoy dorogi (for Zhidkov).
(Electric relays) (Electric railroads--Substations)

SELEZNEV, Yu.N.; ZHDANOV, I.V.

The extent of the electrification of rural areas should be correctly evaluated. Elektrichestvo no.6:8 Je '62. (MIRA 15:6)

1. Glavnyy inzhener Kirovsel'energo (for Seleznev).
(Rural electrification)

SELEZNEV, Yu.V., inzh.

Determining the indicated horsepower of marine internal combustion engines. Trudy NIIVTa no.12:99-106 '62. (MIRA 16:3)
(Marine engines) (Horsepower (Mechanics))

SELEZNEV, Yu.V., inzh.

Selecting optimum conditions for the operation of power plants on rivercraft taking into account the speed of the river's current. Trudy NIIVTa no.14:31-34 '63.

Effect of the irregularity of the rotation of a crankshaft on the accuracy of determining the average indicator pressure on an oscillogram. Ibid.:71-76

Determining the average indicator pressure according to a developed diagram. Ibid.:77-83 (MIRA 17:4)

SELEZ[illegible]V, Yu.V., inzh.

Determination of the indicated horsepower of internal combustion engines using a pimeter. Energomashinostroenie 10 no 2:26-30 F '64. (MIRA 17:6)

SABSOVICH, R.; SELEZNEVA, A., otv. za vypusk; MOROZOV, G.P., red.

[The trade-union movement in Africa] Profsoiuznoe dvizhenie v Afrike; materialy k lektsii po kursu istorii profsoiuznogo dvizheniia za rubezhom dlia studentov zaochnogo otdeleniia. Leningrad, Leningr. vysshaia shkola profdvizheniia VTsSPS, 1962. 29 p. (MIRA 15:11)
(Africa--Trade unions)

SELEZNEVA, A.A.

PHASE I BOOK EXPLOITATION SOV/4218

Boytsov, Vasiliy Vasil'yevich, Vasiliy Prokhorovich Grigor'yev, Mikhail Ivanovich Razumikhin, Anna Andreyevna Selezneva, and Yevgraf Porfir'yevich Shekunov (Deceased)

Sborochnyye i montazhnyye raboty (Assembling and Erecting Operations). Moscow, Oborongiz, 1959. 476 p. (Series: Tekhnologiya samoletostroyeniya) Errata slip inserted. 6,000 copies printed.

Reviewer: G.A. Belyavskiy, Eng.; Ed.: Yu.M. Brodyanskiy, Eng.; Ed. of Publishing House: I.A. Suvorova; Tech. Ed.: N.A. Pukhlikova.

PURPOSE: This book is intended as a textbook for students in aeronautical schools of higher education and may be used by specialists in aircraft production.

COVERAGE: The book discusses the general problems of assembling and erecting operations in aircraft production, as well as the technological requirements for the construction of assemblies, panels, and units of an aircraft. A detailed study is made of the problems of the technological preparation of production, methods of designing, and the making and checking of assembly devices. The authors thank S.V. Yeliseyev, Candidate of the Technical Sciences, Docent at the Moscow Aviation Institute, and K.N. Vezenitsyna, Engineer, for their

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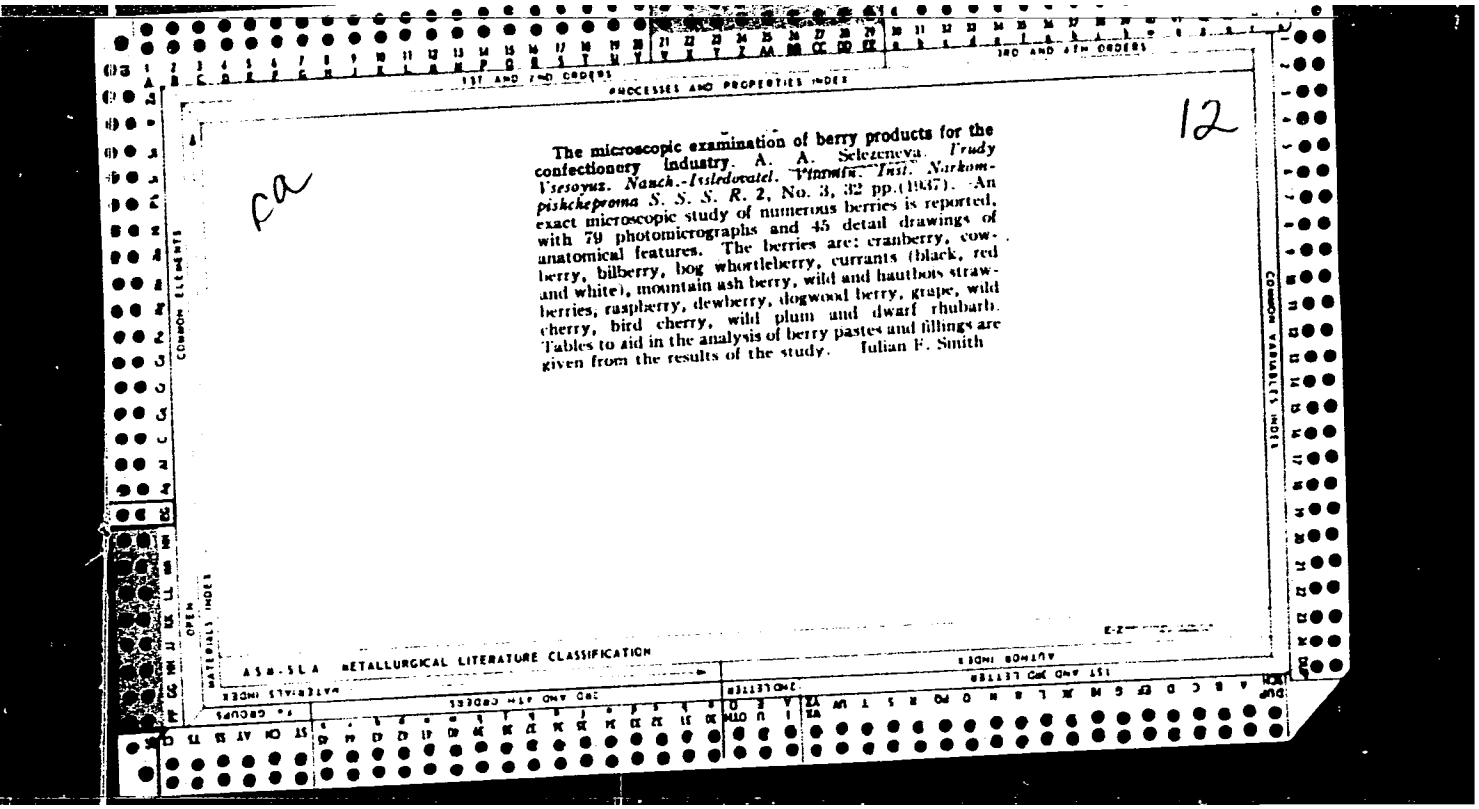
help in writing and editing the book. There are 12 references: 11 Soviet and 1 English.

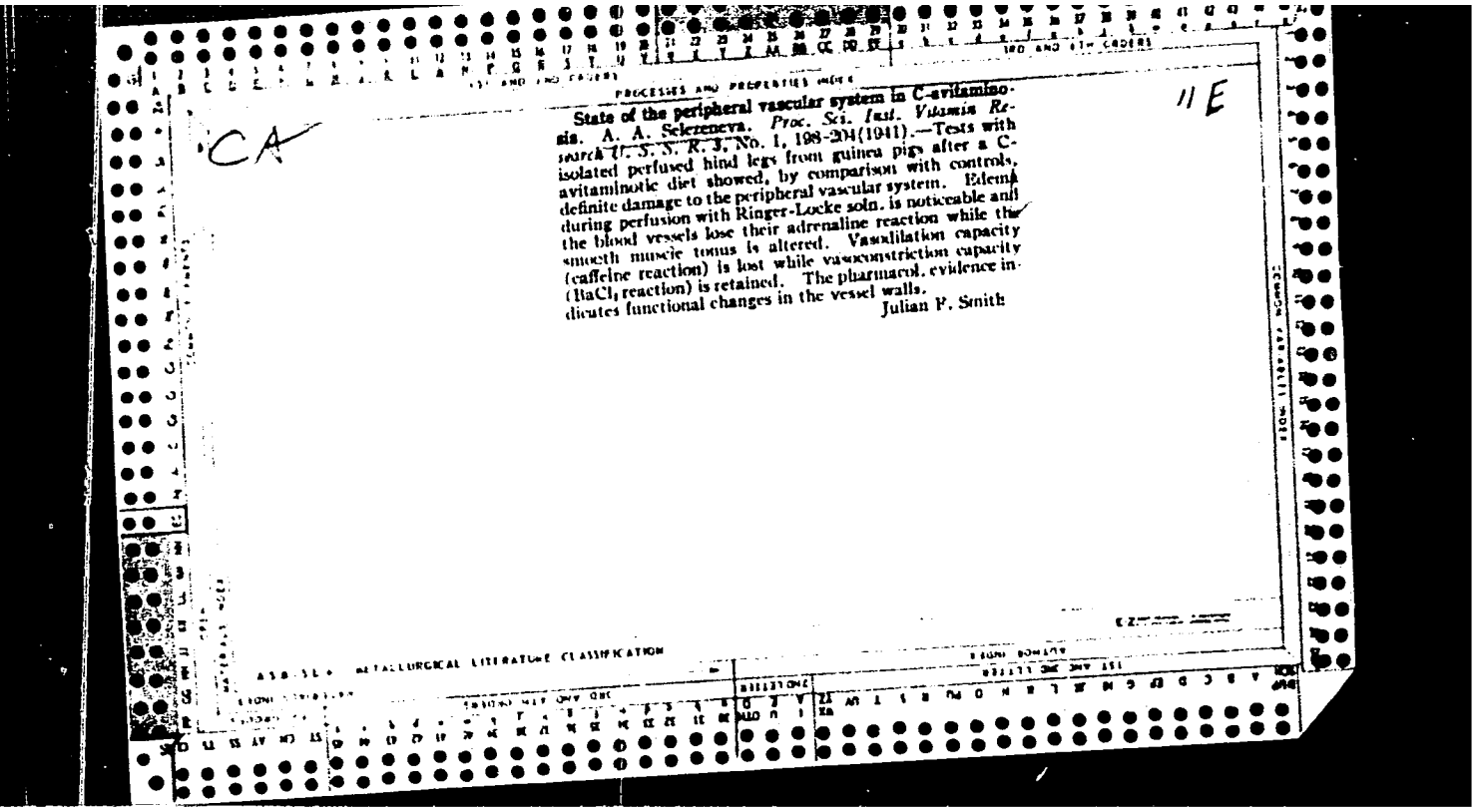
TABLE OF CONTENTS:



12

CA

The microscopic examination of berry products for the confectionery industry. A. A. Selezeneva. *Trudy Vsesoyuz. Nauch.-Issledovatel. Pivovar. Inst. Narkompishcheproma S. S. S. R.* 2, No. 3, 32 pp.(1937). An exact microscopic study of numerous berries is reported, with 79 photomicrographs and 45 detail drawings of anatomical features. The berries are: cranberry, cowberry, bilberry, bog whortleberry, currants (black, red and white), mountain ash berry, wild and hauthorn strawberries, raspberry, dewberry, dogwood berry, grape, wild cherry, bird cherry, wild plum and dwarf rhubarb. Tables to aid in the analysis of berry pastes and fillings are given from the results of the study. Julian F. Smith

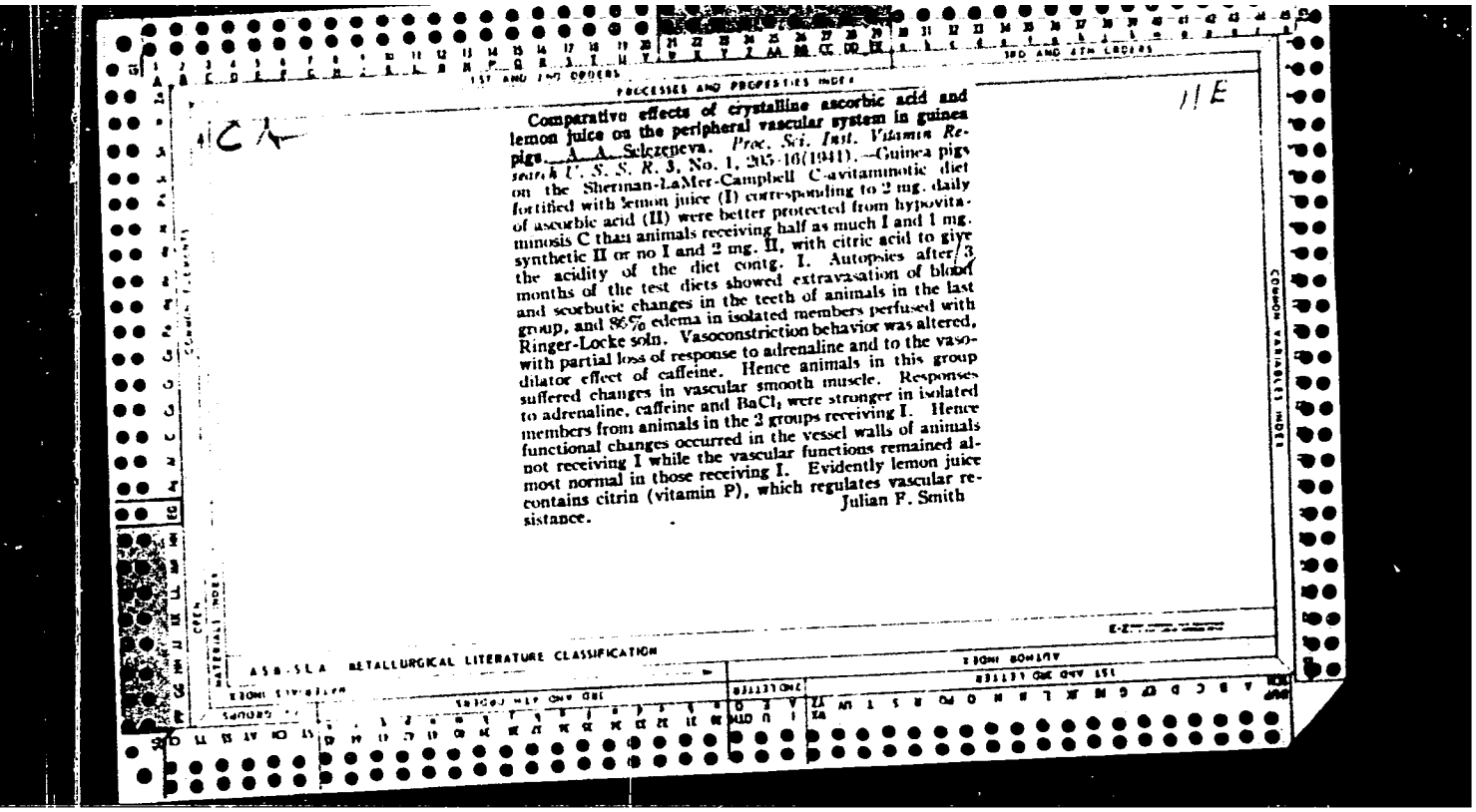


CA

11 E

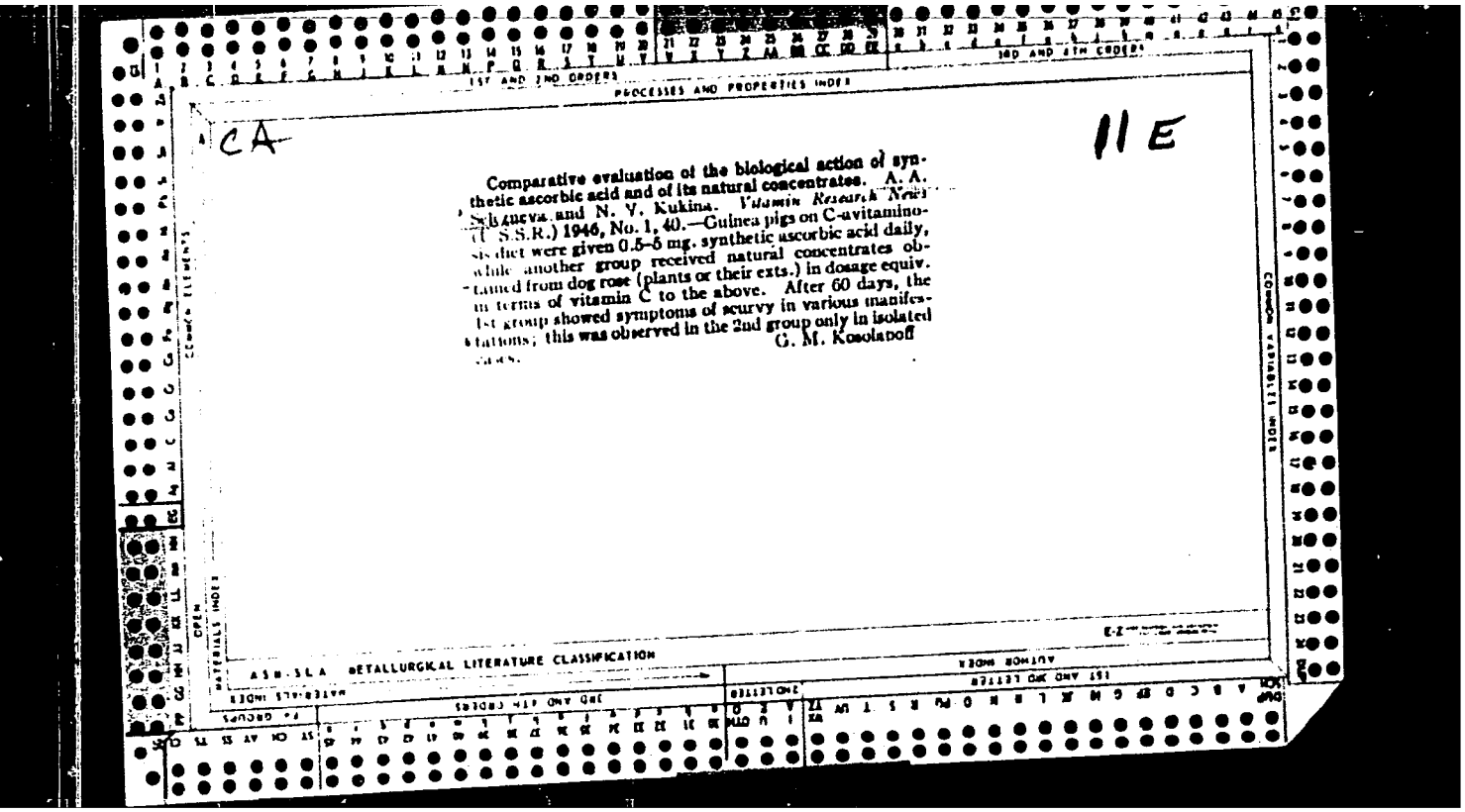
State of the peripheral vascular system in C-avitaminosis. A. A. Selezneva. *Proc. Sci. Inst. Vitamin Research (U. S. S. R.)*, No. 1, 198-204(1941).—Tests with isolated perfused hind legs from guinea pigs after a C-avitaminotic diet showed, by comparison with controls, definite damage to the peripheral vascular system. Edema during perfusion with Ringer-Locke soln. is noticeable and the blood vessels lose their adrenaline reaction while the smooth muscle tonus is altered. Vasodilation capacity (caffeine reaction) is lost while vasoconstriction capacity ($BaCl_2$ reaction) is retained. The pharmacol. evidence indicates functional changes in the vessel walls.

Julian F. Smith



Comparative effects of crystalline ascorbic acid and lemon juice on the peripheral vascular system in guinea pigs. A. A. Selezneva. *Proc. Sci. Inst. Vitamin Research U. S. S. R.* 3, No. 1, 205-10(1941).—Guinea pigs on the Sherman-LaMer-Campbell C-avitaminotic diet fortified with lemon juice (I) corresponding to 2 mg. daily of ascorbic acid (II) were better protected from hypovitaminosis C than animals receiving half as much I and 1 mg. synthetic II or no I and 2 mg. II, with citric acid to give the acidity of the diet contg. I. Autopsies after 3 months of the test diets showed extravasation of blood and scorbutic changes in the teeth of animals in the last group, and 86% edema in isolated members perfused with Ringer-Locke soln. Vasoconstriction behavior was altered, with partial loss of response to adrenaline and to the vasodilator effect of caffeine. Hence animals in this group suffered changes in vascular smooth muscle. Responses to adrenaline, caffeine and $BaCl_2$ were stronger in isolated members from animals in the 2 groups receiving I. Hence functional changes occurred in the vessel walls of animals not receiving I while the vascular functions remained almost normal in those receiving I. Evidently lemon juice contains citrin (vitamin P), which regulates vascular resistance.

Julian F. Smith



CA

11 E

Comparative evaluation of the biological action of synthetic ascorbic acid and of its natural concentrates. A. A. Schaguevs and N. V. Kukina. *Vitamin Research Inst.* (U.S.S.R.) 1946, No. 1, 40.—Guinea pigs on C-avitaminosis diet were given 0.5–6 mg. synthetic ascorbic acid daily, while another group received natural concentrates obtained from dog rose (plants or their exts.) in dosage equiv. in terms of vitamin C to the above. After 60 days, the 1st group showed symptoms of scurvy in various manifestations; this was observed in the 2nd group only in isolated cases.

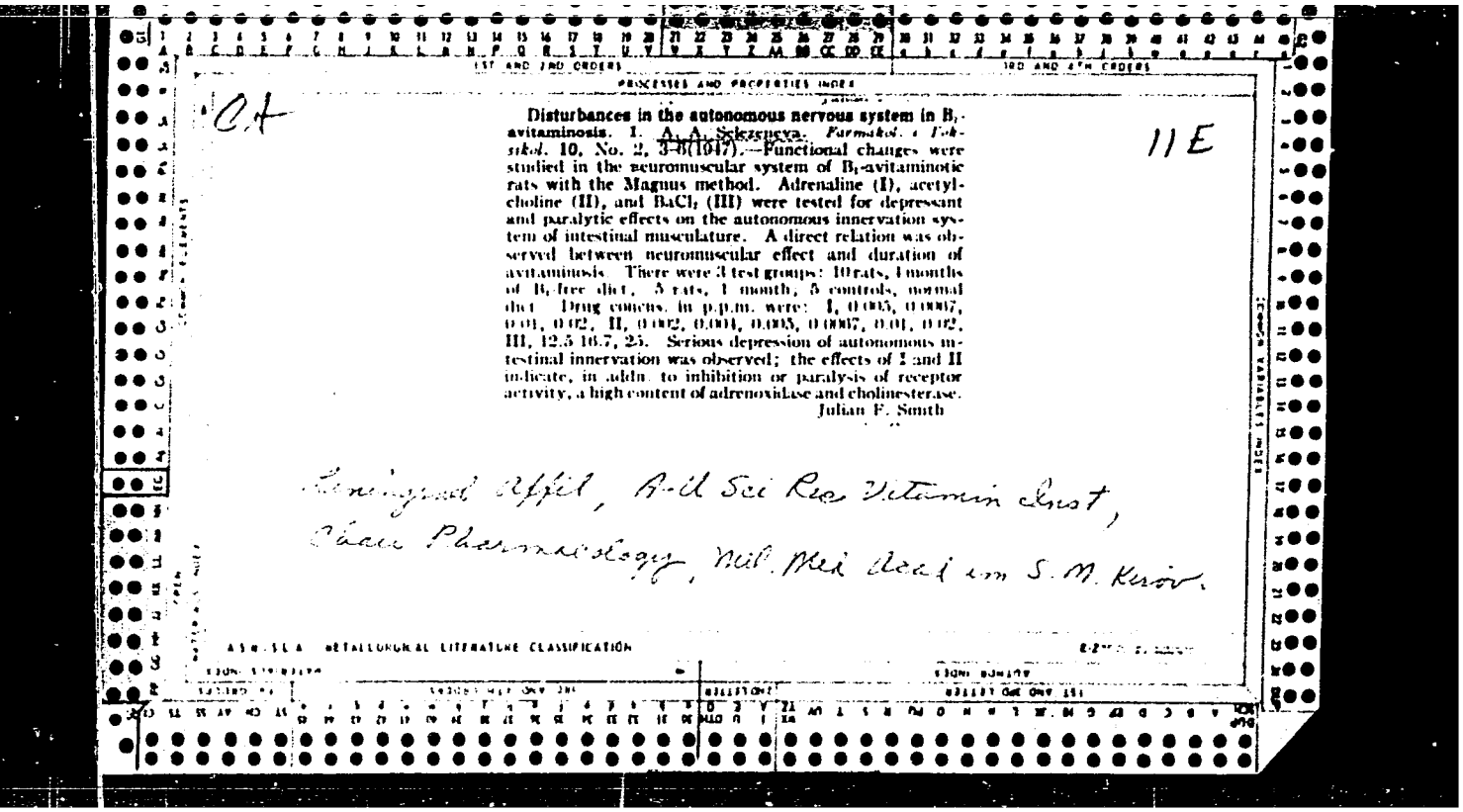
G. M. Kosolapoff

SELEZNEVA, A.A.,

VALYUZHINICH, Ye.N.; SELEZNEVA, A.A.; FUTORYANSKAYA, M.Ya.

Antiscorbutic fruit and berry wines [in Russian with English summary].
Biokhim.vin. no.1:197-204 '47. (MLRA 7:10)

1. TSentral'naya nauchno-issledovatel'skaya enokhimicheskaya laboratoriya Rosglavvino (Moscow).
(Fruit wines) (Ascorbic acid)



1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

PROCESSES AND PROPERTIES INDEX

C.A.

Disturbances in the autonomous nervous system in B_1-avitaminosis. I. A. A. Sokrzneva. *Farmakol. i Toksikol.* 10, No. 2, 3-8(1947).—Functional changes were studied in the neuromuscular system of B_1-avitaminotic rats with the Magnus method. Adrenaline (I), acetylcholine (II), and $BaCl_2$ (III) were tested for depressant and paralytic effects on the autonomous innervation system of intestinal musculature. A direct relation was observed between neuromuscular effect and duration of avitaminosis. There were 3 test groups: 10 rats, 4 months of B_1-free diet, 5 rats, 1 month, 5 controls, normal diet. Drug concns. in p.p.m. were: I, 0.005, 0.0007, 0.01, 0.02, II, 0.002, 0.004, 0.005, 0.0007, 0.01, 0.02, III, 12.5 10.7, 25. Serious depression of autonomous intestinal innervation was observed; the effects of I and II indicate, in addn. to inhibition or paralysis of receptor activity, a high content of adrenoxidase and cholinesterase.

Julian F. Smith

11E

Leningrad Affil., All-U Sci Res Vitamin Inst.,
Chair Pharmacology, Mil. Med Acad im S. M. Kirov.

A.S.M.-S.L.A. METALLURGICAL LITERATURE CLASSIFICATION

SELEZENEVA, A. A.

USSR

Histopathologic changes in the organism of rats with experimental B_1 avitaminosis and the determination of the prophylactic dose. A. A. Selezeneva (S. M. Kirov Military Acad). *Trudy Voyen.-Mmed. Akademii*. *Vitamin. Inst.* 4,159–66(1933).— Rats receiving 2.5 γ vitamin B_1 develop avitaminosis which on the 18–20th day manifest degenerative processes of the nervous system, the muscle, and various organs. In the early stages of the deficiency initial degenerative processes appear in the preterminal fibers and in the nerve ends of the muscles of the legs and in the muscle tissues. In the second stage (25–30 days) evidence of more clearly defined degenerative processes of the central nervous system appears. In the 3rd stage these symptoms become more general and more profound involving the ganglia of the vegetative nervous system. Degenerative changes appear in the neurocells of the anterior horn of the spinal cord at all levels and in the cells of the cortex of the cerebellum. The glia becomes hypertrophied in spots. Individual nerve fibers tend to sep. Similar degenerative processes appear in 30–45 days in rats receiving 2.5–5 γ of vitamin B_1. In the peripheral nervous system of rats suffering from true avitaminosis and of those receiving 2.5–5.0 γ of vitamin B_1 (vitamin deficiency) slight segmental degeneration of the soft fibers in the form of slight increase in the size of the melanin droplets is observed. Pathogenic changes appear in the cardiomuscular app. similar to those of the skeletal muscles and in the solar plexus. B_1-avitaminosis disturbs the basic body metabolic processes profoundly enough to cause wide pathologic conditions in all parts of the nervous, skeletal and glandular systems of the body as well as in its physicochem. processes. A 10–20 γ dose of vitamin B_1 can be regarded as physiologically adequate for rats.

B. S. Levine

SELEZENEVA, A. A.

USSR

Histopathologic changes in pups under vitamin B_2 deficiency. A. A. Seleznev. *Trudy Voronezh. Nauch.-Issledovatel. Veterin. Inst.* 4. 165-71(1955).—Vitamin B_2-deficiency acidosis develop in pups' degenerative processes in the central nervous system and to a lesser degree in the vegetative nervous system. The change in chromaxia points to a disturbance in the stimulation levels of the neuromuscular app. The liver of pups with riboflavine avitaminosis shows signs of rapid fat accumulation. A return to normal frequency occurs in B_2 avitaminized pups following the administration of 3 mg. of vitamin B_2 for 30–35 days and most clinical symptoms disappear.

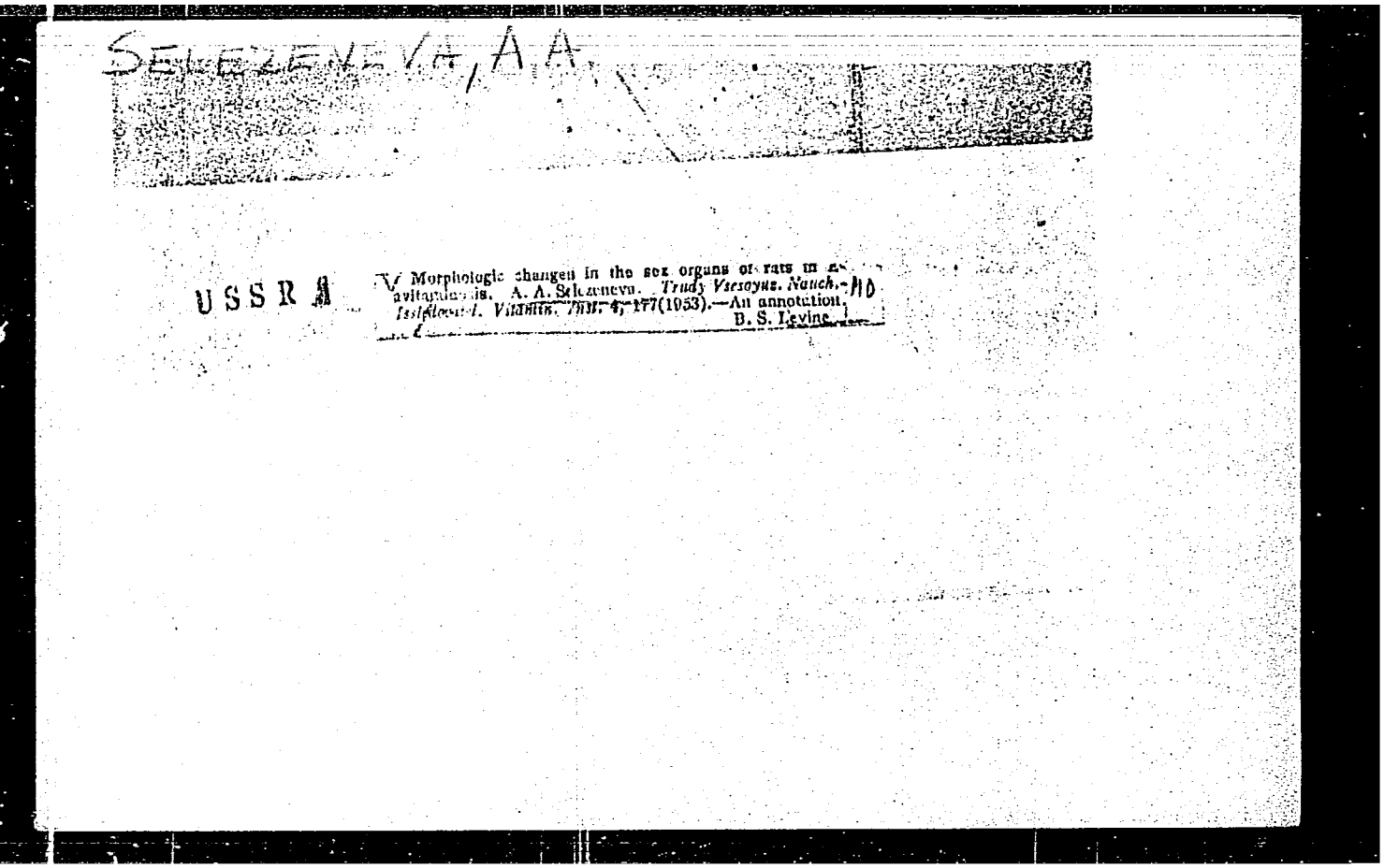
B. S. Levine

SMIRNOVA, A. A.

"Histopathological Changes in the Organism of Guinea Pigs With C-Avitaminosis"
Tr. Vses. N.-I. Vitaminnogo in-ta, No 4, 1953, 171-177

Guinea pigs kept on avitaminose and hypoavitaminose diets for 20 to 25 days exhibited symptoms of C-avitaminosis: hemorrhagic dathesa. blood infiltration in the cortex of the large hemispheres and the anterior roots of the spinal chord, degenerative changes in al 11 nerve cells and in the extremities. There was nerve atrophy and breakdown of muscle fibers in the extremities as well as increased proliferation of polyblasts, fibroblasts, and macrophases. (RZhBiol, No 9, May 1955_

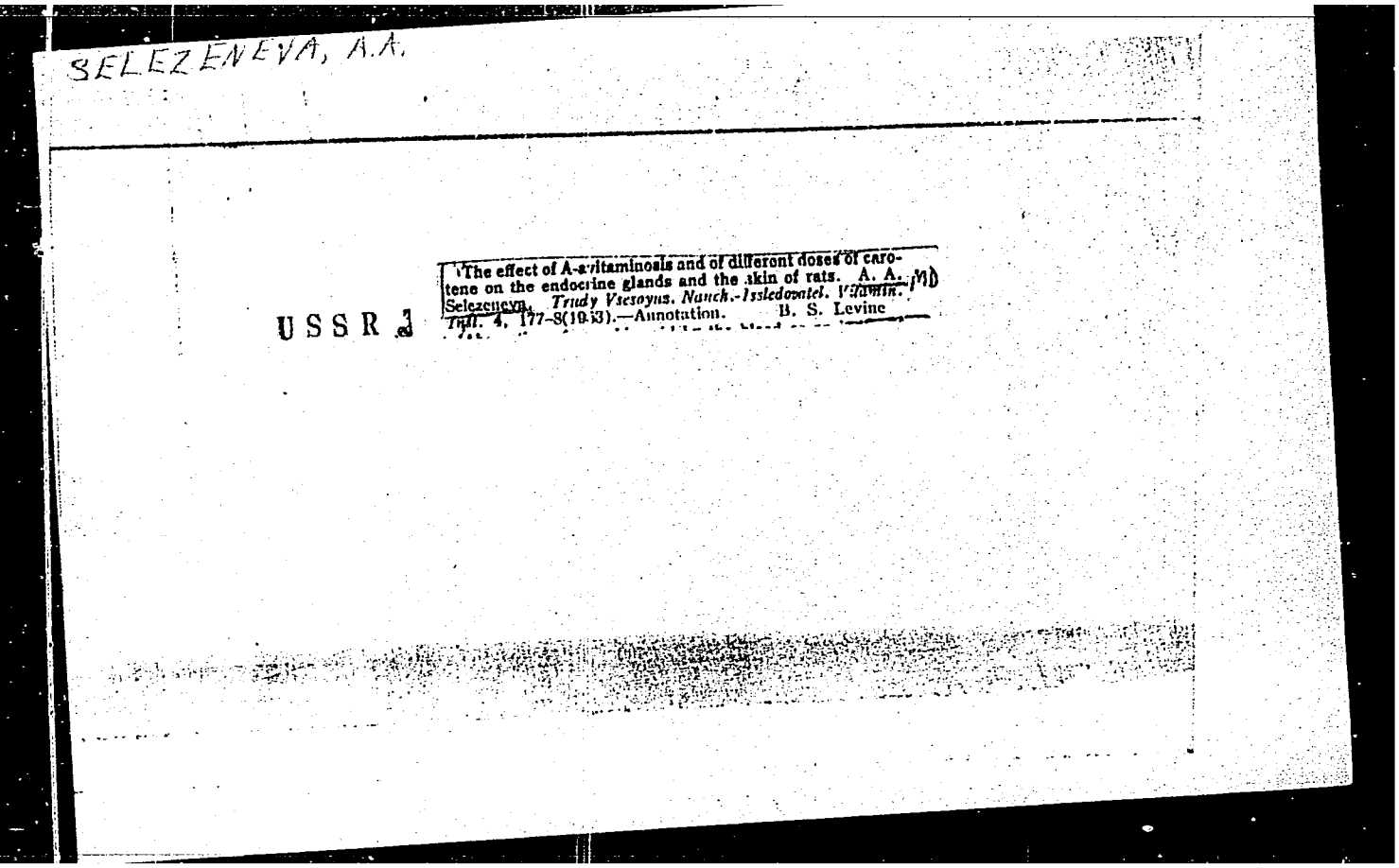
SO: Sum-No 787, 12 Jan 56



SELEZENEVA, A.A.

USSR

V Morphologic changes in the sex organs of rats in [illegible] avitaminosis. A. A. Selezenev. *Trudy Vsesoyus. Nauch.-Issledovatel. Vitaminn. Inst.* 4, 177(1953).—An annotation. B. S. Levine.



SELEZENEVA, A.A.

USSR

The effect of A-avitaminosis and of different doses of carotene on the endocrine glands and the skin of rats. A. A. Selezeneva. *Trudy Vsesoyuz. Nauch.-Issledovatel. Vitamin. Inst.* 4, 177–8(1953).—Annotation. B. S. Levine

Jun 53

SELEZNEVA, A. A.

USSR/Medicine - Tularemia

"The Reaction of Thermal Ring Precipitation in the Testing of the Silt of Streams for the Presence of B. tularense," A. A. Selezneva, Chair of Microbiol, Tomsk Med Inst im V. M. Molotov

Zhur Mikro, Epid, i Immun, No 6, pp 51-52

Investigation of a contaminated river showed that primary contamination with B. tularense is produced by water rats. The bacilli are then spread by other forms of aquatic life. Biological tests (infection of expl animals) showed that the silt of the river's upper and lower course, but not the middle, contains B. tularense. The water of the upper, middle, and lower courses was found to be contaminated. The Thermal ring pptn test proved to be less sensitive than the biological test; it can be used for orientation purposes only.

267T22

SELEZENEVA, A.A.

Histopathological changes in nervous system in B$_1$-hypovitaminotic rats after treatment with vitamin B$_1$. A. A. Seleznev (S. M. Kirov Military Med. Acad., Leningrad). *Trudy Vsesoyuz. Nauch.-Issledovatel. Vitamin Inst.* 5, 167–71 (1954).—Addn. of 2.5 g. vitamin B$_1$ to rats on vitamin B$_1$-free diet results in a distributed degenerative process especially of central nervous system and nerve endings of musculature, heart, and solar plexus. Only 50–75 g. doses had a curative and restorative effect, over 70–100 days.
G. M. K.

1

Biol. Dept Leningrad Affil. and Neurohistological Lab, Chair Nervous Diseases Mil Med Acad im S. M. Kirov

SELEZENEVA, A.A.

Comparative evaluation of biological action of synthetic ascorbic acid and its natural concentrates. A. A. Selezeneva and N. V. Kukina. *Trudy Vsesoyus. Nauch. Issledovatel. Vitamin. Inst.* 5, 176–7(1954).—In expts. with guinea pigs fed with either synthetic acid or its natural concentrates (fresh or dried dog rose powder or concentrates) it was shown that the polyvitamin nature of the natural concentrates may be more beneficial to the animals than the effect of pure ascorbic acid alone. G. M. Kosolapoff

2

Biological Dept., Leningrad Affil.

5 (4)

AUTHORS: Samsonov, G. V., Vedeneyeva, V. V., SOV/20-125-3-33/[illegible]
Selezneva, A. A.

TITLE: The Sorption of Penicillin by Polymeric Sorbents (Sorbtsiya penitsillina polimernymi sorbentami)

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 125, Nr 3, pp 591-594 (USSR)

ABSTRACT: Penicillin is a rather acid substance (the ionization constant of benzylpenicillin is equal to 2.7). Penicillin, therefore, can be sorbed on anionites, for instance on weak anionites prepared by condensation of metaphenyldiamine, and also on strong anionites the synthesis of which is based on the chloro-methylation of styrene and on the interaction of the resulting product with tertiary amines. Notwithstanding the significant absorptive power of penicillin by various anionites, the process of its ion-exchange purification was inhibited in a very essential way. According to a table given by the authors, the irreversible sorption of penicillin from the culture liquid is mainly caused by the existence of anions of sulphuric, phosphoric, and some other acids in the solution. The sorption of

Card 1/3

penicillin becomes almost a complete one after the precipitation of these anions by barium salts (although the sorption capacity does not increase very much). The complicated character of the interaction of penicillin with the anionite requires the investigation of the possibility of applying the principal laws of anion exchange to this phenomenon. In this case, there is an equivalence of the ion exchange: The number of moles desorbed from the anionite EDE-10 of chlorine ions is equal to the number of moles of sorbed penicillin. The desorption of penicillin from anionites can be carried out in a practically complete yield if solutions of phosphate and sodium sulphate are used. The application of the anion-exchange method to the separation and purification of penicillin is based on the above-discussed principles of reversible selective sorption of penicillin and its desorption from anionites. The choice of the anionites is important for this process. The influence of the anions of sulphuric and phosphoric acid upon the reversibility of the sorption of penicillin was explained by the formation of additional bonds between sorbed penicillin and sorbed anions. According to investigations of the authors, penicillin is sorbed with a

The Sorption of Penicillin by Polymeric Sorbents SOV/20-125-3-45/63

high capacity by sulpho-cationites, and also by phosphorus and carboxyl cationites. The fact that penicillin is sorbed by cationites as a result of interaction of its peptide group with the sorbent, may be taken into account for the purification of penicillin from other acids. The specific sorption of penicillin by cationites is one of the most efficient processes for its purification. The authors thank V. N. Nikitin and Ye. I. Pokrovskiy who took the infrared spectra. There are 3 figures, 3 tables, and 7 references, 3 of which are Soviet.

ASSOCIATION: Institut vysokomolekulyarnykh soyedineniy Akademii nauk SSSR (Institute of High-molecular Compounds of the Academy of Sciences USSR) Leningradskiy khimiko-farmatsevticheskiy institut (Leningrad Chemical-pharmaceutical Institute)

PRESENTED: December 12, 1958, by M. M. Shemyakin, Academician

SUBMITTED: December 9, 1958

Card 3/3

Seleznева, A.A.

PHASE I BOOK EXPLOITATION SOV/4146

Tomsk. Nauchno-issledovatel'skiy institut vaktsin i syvorotok

Trudy, tom 11 (Transactions of the Tomsk Scientific Research Institute of Vaccines and Serums, Vol. 11) Tomsk, Izd-vo Tomskogo univ-ta, 1960. 327 p. 1,700 copies printed.

Editorial Board: B.G. Trukhmanov (Resp. Ed.) Director of the Tomsk Scientific Research Institute of Vaccines and Serums; S.P. Karpov (Deputy Ed.) Professor; Ye. I. Kleytman (Secretary); M.A. Mastenitsa; and V.M. Popov (Deceased); Tech. Ed.: A.T. Osevskiy.

PURPOSE: This collection of articles is intended for biologists, physicians, and medical personnel.

COVERAGE: The collection contains 18 papers on problems of epidemiology and microbiology and 35 reports on the theory and practice of immunology. To avoid repetition of names of organizations in the table of contents the following affiliations will be abbreviated: Tomskiy nauchno-issledovatel'skiy institut vaktsin i syvorotok (Tomsk Scientific Research Institute of Vaccines and Serums) as "Tomsk Institute"; Tomskiy meditsinskiy institut as "Tomsk Medical Institute"; Kafedra mikrobiologii Tomskogo meditsinskogo instituta (Department of Microbiology of the Tomsk Medical Institute) as "Tomsk Department of Microbiology."

SAMSONOV, G.V.; SELEZNEVA, A.A.

Thermodynamic theory of the sorption of ions of organic substances. Dokl. AN SSSR 143 no.4:919-921 Ap '62. (MIRA 15:3)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.
Predstavleno akademikom A.N.Frumkinym.
(Ion exchange) (Sorption)

SAMSONOV, G.V.; SELEZNEVA, A.A.; VAN I-GUAN [Wang I-kuang]

Characteristics of the absorption of penicillin by ion exchange resins in relation to supplementary sorptive interaction. Trudy Len.khim.-farm.inst. no.15:101-104 '62. (MIRA 15:11)

(PENICILLIN)
(ION EXCHANGE RESINS)

KARPOV, S.P.; SELEZNEVA, A.A.

Hemagglutination inhibition reaction in the diagnosis of tick-borne encephalitis. Vop.virus. 7 no.6:740 N-D '62. (MIRA 16:4)

1. Tomskiy meditsinskiy institut i Tomskiy nauchno-issledovatel'skiy institut vaktsin i syvorotok.
(HEMAGGLUTINATION) (ENCEPHALITIS)

KARPOV, S.P.; MASTENITSA, M.A.; MINKEVICH, I.A. [deceased]; SKLEZNEVA, A.A.; IGOLKIN, N.I.

Q fever in Western Siberia. Trudy TomNIIVS 11:91-96 '60.
(MIRA 16:2)

1. Tomskiy nauchno-issledovatel'skiy institut vaktsin i syvorotok i Tomskiy meditsinskiy institut.
(SIBERIA, WESTERN—Q FEVER)

SELEZNEVA, A.A.

Examination of cattle in Tomsk Province for Q fever. Trudy TomNIIVS 11:97-98 '60. (MIRA 16:2)

1. Tomskiy nauchno-issledovatel'skiy institut vaktsin i syvorotok i kafedra mikrobiologii Tomskogo meditsinskogo instituta.
(TOMSK PROVINCE—Q FEVER)
(TOMSK PROVINCE—CATTLE—DISEASES AND PESTS)

SAMSONOV, G.V.; KUZNETSOVA, N.P.; PONOMAREVA, R.B.; PIROGOV, V.S.; SELEZNEVA, A.A.; VAN-L-GUAN [Wang I-kuang]

Additional sorption interaction in the absorption by ion exchange resing of organic substances containing peptide and amides groupings. Zhur.fiz.khim. 37 no.2:280-283 F '63. (MIRA 16:5)

(Penicillin) (Ion exchange resins) (Sorption)

SAMSONOV, G.V.; VEDENEYEVA, V.V.; SELEZNEVA, A.A.; VOYKHANSKAYA, E.Ye.

Ion exchange on anion exchangers involving penicillin. Zhur. fiz. khim. 37 no.4:725-729 Ap '63. (MIRA 17:7)

1. Leningradskiy khimiko-farmatsevticheskiy institut.

SELEZNEVA, A.A.; GALAZHAR', N.I.; BUDAZHAPOVA, N.A.

Hemagglutination inhibition reaction with serums f
people and domestic animals from the Tomsk focus of tick-
borne encephalitis. Trudy TomNIIVS 14:22-29 '63. (MIRA 17:7)

1. Kafedra mikrobiologii Tomskogo meditsinskogo instituta i
Tomskiy nauchno-issledovatel'skiy institut vaktsin i syvorotok.

PETROV, B.D.; MATVEYEV, P.I.; SELEZNEVA, A.A.; VIL'SHANSKAYA, M.L.

Reviews, criticism and bibliography. Zhur.mikrobiol.,epid.i immun. 40 no.12:126-137 D '63. (MIRA 17:12)

UTKIN, Eduard Andreyevich; PAK, G.V., red.; SELEZNEVA, A.D., mlad. red.

[Problems of planning in the developing countries] Problemy planirovaniia v razvivaiushchikhsia stranakh. Moskva, Ekonomika, 1965. 166 p. (MIRA 18:4)

REKSIN, V.E.; NECHAYEVA, R.L.; VAVILOVA, G.S.; PAK, G.V., red.; SELEZNEVA, A.P., ml. red.

[Supply of materials and equipment abroad] Material'no-tekhnicheskoe snabzhenie za rubezhom. Moskva, Ekonomika, 1965. 214 p. (MIRA 18:8)

L 29879-66 EWT(m)/T-2 WW/JAJ

ACC NR: AP6005374 (N) SOURCE CODE: UR/0413/66/000/001/0119/0119

49

B

INVENTOR: Ponomarenko, L. M.; Selezneva, A. I.

ORG: none

TITLE: Flow regulator for liquid and gas. Class 47, no. 177719. [announced by the Severodonetsk Branch of the Experimental and Design Office for Automation, State Committee on Chemistry, Gosplan SSSR (Severodenetskiy filial opytno-konstruktorskogo byuro avtomatiki gosudarstavennogo komiteta po khimii pri gosplane SSSR)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 1, 1966, 119

TOPIC TAGS: flow control, liquid flow control, gas flow control, flow regulator

ABSTRACT: An Author Certificate has been issued for a flow regulator for liquid and gas, consisting of a body and a rotary disk with baffle holes. To obtain flow characteristics, there are holes of various shapes and sizes, corresponding to the given regulation requirements, along the circumference of the rotary disk. (see Fig. 1). Orig. art. has: 1 figure. [LD]

Card 1/2 UDC: 621-543.2-553

L 29879-66

ACC NR: AP6005374

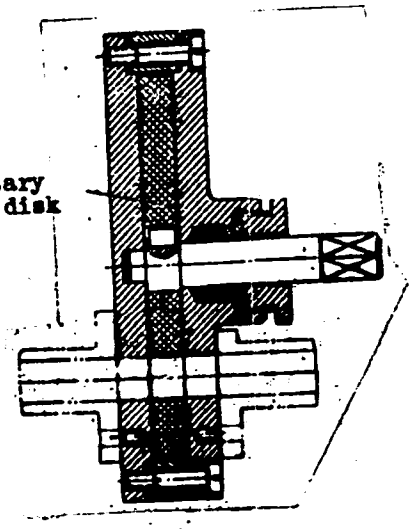


Fig. 1. Flow regulator for liquid and gas

SUB CODE: 13/ SUBM DATE: 13/

Card 2/2

ACC NR: AP7002723 SOURCE CODE: UR/0237/66/000/012/0021/0022

AUTHOR: Selezneva, A. M.; Stozharov, A. I. (Candidate of sciences)

ORG: none

TITLE: Refraction indices of glasses K108, LK6, and TF11 at the liquid hydrogen temperatures

SOURCE: Optiko-mekhanicheskaya promyshlennost', no. 12, 1966, 21-22

TOPIC TAGS: refraction index, optic glass, glass refraction index, liquid hydrogen temperature, expansion coefficient/K108 optic glass, LK6 optic glass, TF11 optic glass

ABSTRACT: A study was made of the dependence of the coefficient of expansion and the absolute index of refraction of optical glasses LK6, K108, and TF11 on temperatures between 250 to -250 C (the temperature of liquid helium). The study was made using a Zeiss interference dilatometer and a cryostatic unit obtained from the Institute of Theoretical and Experimental Physics. The method of measurements used are described and the results obtained are discussed and shown

UDC: 666.11.01:535.323

Card 1/2

ACC NR: AP7002723

graphically in two figures. Orig. art. has: 2 figures. [Based on authors' abstract]. [SP]

SUB CODE: 20/SUBM DATE: 10Feb66/ORIG REF: 002/OTH REF: 003/

Card 2/2

L 15882-66 EWP(e)/EWT(m) WH

ACC NR: AP6002807 SOURCE CODE: UR/0237/60/000/011/0027/0031

AUTHOR: Demkina, L. I.; Selezneva, A. M.; Shchavelev, O. S.; Babkina, V. A.

ORG: none

TITLE: The dependence of thermooptical properties of silicate glasses on their composition

SOURCE: Optiko-mekhanicheskaya promyshlennost', no. 11, 1960, 27-31

TOPIC TAGS: silicate glass, temperature dependence, optic glass, glass property

ABSTRACT: The present paper gives the results of an experimental study of the average increase in the value of the absolute index of refraction in glasses caused by increases in temperature at 643, 508, and 480 mμ wavelengths. The four base glasses used consisted of 1) SiO_2-80, K_2O-4, Na_2O_3-16, and As_2O_3-0.1; 2) SiO_2-80, K_2O-8, Na_2O-12 and As_2O_3-0.1; 3) SiO_2-75, PbO-19, K_2O-6, and As_2O_3-0.2; and 4) SiO_2-75, B_2O_3-3, As_2O_3-0.2, BaO-7, ZnO-4, K_2O-8, and Na_2O-3. They contained various amounts of SiO_2, TiO_2, B_2O_3, Al_2O_3, As_2O_3, Sb_2O_3, PbO, BaO, ZnO, CaO, K_2O, and Na_2O admixtures. Experimental data orga-

Card 1/2

L 15882-66

ACC NR: AP6002807

nized in the form of comprehensive tables permitted empirical determinations of the constants entering into theoretical expressions established by L. I. Demkina (Issledovaniye zavisimosti svoystv stekol ot ikh sostava, Oborongiz, 1959) describing the temperature dependence of various optical indexes. Orig. art. has: 7 formulas, 2 figures, and 5 tables.

SUB CODE: 11, 20 / SUBM DATE: 12Aug60 / ORIG REF: 006 / OTH REF: 008

Card 2/2

SELEZNEVA, A.N.

Covering paper manufacture. Bum.prom. 29 no.3:23-24 Mr-Ap '54. (MLRA 7:6)

1. Inzhener Vyborgskogo tsellyulozno-bumazhnogo kombinata.
(Paper industry)

SELEZNEVA, A.N.; SOBTSEV, G.D.

Introduction of new purifier apparatuses. Bum.prom. 32 no.2:11-15 F '57. (MLRA 10:5)

1.Kamskiy tsellyulozno-bumazhnyy kombinat.
(Woodpulp industry)

L 33228-66 EWT(m)/T IJP(c) DS/WW

ACC NR: AP6024588 SOURCE CODE: UR/0314/66/000/003/0027/0029

AUTHOR: Karaulov, V. M. (Engineer); Selivanov, A. N. (Engineer) 96 B

ORG: none

TITLE: Results of tests on shock-cavitation colloidal mills

SOURCE: Khimicheskoye i neftyanoye mashinostroyeniye, no. 3, 1966, 27-29

TOPIC TAGS: colloid chemistry, cavitation, electric motor, production engineering, chemical dispersion, colloidal mill/L-202 colloidal mill, L-808 colloidal mill

ABSTRACT: The article presents formulas for calculating productivity and capacity of electric motors of shock-cavitation colloidal mills. The formulas are derived from results of tests of the mills L-202 and L-808 produced by the Deutsch Vakuumapparat Company, conducted at the Tambov Aniline Dye Plant. The mills L-202 and L-808 have several deficiencies, restricting their extensive use in dispersion of suspensions. The most substantial deficiencies discovered during the testing are: rapid wear of rotor striking pins in processing suspensions, overheating, rapid wear of bearings, low capacity of electric motors, overheating of suspensions in the process of dispersion, and excessive foaming. Orig. art. has: 4 formulas and 1 table. [JPRS: 35,728]

SUB CODE: 07, 14 / SUBM DATE: none / ORIG REF: 001

Card 1/1 UDC: 621.926.9.001.5

SELEZNEVA, A.V., inzhener.

Steaming the weft. Tekst.prom. 15 no.1:47-48 Ja '55. (MIRA 8:2)
(Yarn)

SELEZNEVA, B.S.

[illegible] Council of Ministers USSR [illegible] following scientific works, popular science books, and textbooks have been submitted for competition for Stalin Prizes for the years 1951 and 1952 (Sovetskaya Kultura, Moscow, No. 22 [illegible] 1952)

Name	Title of Work	Published By
Tverskoy, P.N. Zverev, A.S. Kiryukhin, B.V. Kondrat'yev, K.Ya. Selezneva, B.S. Yudin, M.A.	"A Course in Meteorology"	Leningrad State University imeni A.A. Zhdanov

GRYUNER, V.S.; SELEZNEVA, G.D.

The coloring substances of cacao beans and their modification in thermal processing. Izv.vys.ucheb.zav.; pishch.tekh. no.4: 68-71 '62. (MIRA 15:11)

1. Moskovskiy ordena Trudovogo Krasnogo Znameni institut narodnogo khozyaystva im. G.V.Plekhanova, kafedra tovarovedeniya pishchevykh produktov.
(Cocoa) (Paper chromatography)

MUSATOV, T.P., inzh.; SELEZNEVA, G.N., inzh.

Quantity of adsorbent necessary for continuous regeneration of power transformer oil. Elek.sta. 29 no.1:85-86 Ja '58. (MIRA 11:2)

(Insulating oils) (Silica)

MUSATOV, T.P., inzh.; SELEZNEVA, G.N., inzh.

Transformer oil in 110 kv. MV entrances and electric transformers.
Energetik 11 no.4:23-24 Ap '63. (MIRA 16:3)
(Insulating oils)

SELEZNEVA, I.N.; PETKEVICH, M.V.

Portable undismountable balance. Izm.tekh. no.3:11-12 Mr '60.
(MIRA 13:6)

(Balance)

SELEZNEVA K. I.

S/078/60/005/008/003/018
B004/B052 82323

52100
11-8000

AUTHOR: Selezneva, K. I.

TITLE: Investigation of the Interaction of Lithium Peroxide with Water Vapor and Carbonic Acid Gas

PERIODICAL: Zhurnal neorganicheskoy khimii, 1960, Vol. 5, No. 8, pp. 1688-1695

TEXT: For an introduction the author gives a survey of the data published on Li_2O_2, and mentions a paper by T. V. Rode, T. A. Dobrynina, and G. A. Gol'der (Ref. 2). He then reports on his own experiments carried out with granulated Li_2O_2 (size of the granules: 2 - 3 mm and 1 - 2 mm) in the apparatus depicted in Fig. 1. Fig. 2 shows the reaction vessel used for Li_2O_2. The air conducted through the reaction vessel during the reaction between Li_2O_2 and water vapor at 23 - 300°C, contained 2.5 vol% of H_2O (corresponding to a 100% saturation of the air at 23°C). During the investigation of the reaction with CO_2, the air passed through at

Card 1/3

100 - 250°C contained 4% of CO_2. After the experiment, Li_2O_2 was investigated as to loss of active oxygen, content of absorbed water, and CO_2. The experimental data are given as follows: Table 1 shows the interaction of Li_2O_2 with water vapor, Figs. 3, 4 the reaction curves at 23°C; Fig. 5 the diagram of the system $Li_2O - \frac{1}{2} O_2 - H_2O$; Table 2, Fig. 6 the interaction of Li_2O_2 with dry CO_2; Table 3, Figs. 7, 8 the interaction of Li_2O_2 with CO_2 in the presence of water vapor. The author arrived at the following results: at 23°C, the interaction of Li_2O_2 with water vapor is restricted to hydration under the development of $Li_2O_2 \cdot H_2O$, partial development of $LiOH \cdot H_2O$, and moderate liberation of O_2. Above 200°C, a noticeable reaction sets in. LiOH develops, and equivalent amounts of O_2 are liberated. Above 300°C an additional thermal decomposition of Li_2O_2 occurs. The interaction with dry CO_2 is only noticeable above 200°C. Within a period of 60 min,

GRIGOR'YEVA, N.K.; SELEZNEVA, K.I.

Synthesis and properties of sodium and potassium peroxyorthoniobates and peroxyorthotantalates and metaperoxy acids of niobium and tantalum. Izv.AN SSSR.Otd.khim.nauk no.7:1137-1140 Jl '62. (MIRA 15:7)

1. Institut obshchey i neorganicheskoy khimii im. N.S.Kurnakova Akademii nauk SSSR.
(Alkali metal niobates) (Alkali metal tantalates) (Peroxy acids)

GRIGOR'YEVA, N.K.; SELEZNEVA, K.I.; DUGANOVA, V.M.

Niobium peroxide compounds. Izv.AN SSSR.Otd.khim.nauk no.6: 937-943 '62. (MIRA 15:8)

1. Institut obshchey i neorganicheskoy khimii im. N.S.Kurnakova AN SSSR.

(Niobium oxide)

SELEZNEVA, K.I.

Synthesis of metaperoxoniobates of alkaline earth metals. Izv. AN SSSR Ser. khim. no.7:1292-1294 '65. (MIRA 18:7)

1. Institut obshchey i neorganicheskoy khimii im. N.S.Kurnakova AN SSSR.

ACCESSION NR: AT4028337 S/0000/63/000/000/0177/0184

AUTHOR: Makarov, S. Z. (deceased); Grigor'yeva, N. K.; Selezneva, K. I.

TITLE: Peroxide compounds of niobium and tantalum

SOURCE: Soveshchaniye po khimii perekisny*kh soyedineniy. Second, Moscow, 1961. Khimiya perekisny*kh soyedineniy (chemistry of peroxide compounds); Doklady* soveshchaniy. Moscow, Izd-vo AN SSSR, 1963, 177-184

TOPIC TAGS: peroxide compound, niobium, tantalum, metasalt, sodium hydroxide, potassium hydroxide, hydrogen peroxide, endothermal effect

ABSTRACT: Since 1958, the authors have been studying the reaction of niobium and tantalum metasalts with hydrogen peroxide for the purpose of producing the compounds and investigating their properties. The investigation was made within a wide range of concentrations and temperatures. The peroxometa-acids of niobium and tantalum: $HNb(Ta)O_4 \cdot nH_2O$ were separated in a solid state; some of their properties were studied. In the case of $HNbO_4 \cdot H_2O$, the corresponding peroxometaniobates $Na(K)NbO_4 \cdot nH_2O$(N=1.5-3.5) were separated. The corresponding salts for $HTaO_4 \cdot nH_2O$ were not obtained. However, these as well as $HNbO_4 \cdot nH_2O$ were obtained from the peroxortho salts. The peroxide compounds $NaNbO_4 \cdot nH_2O$, $Na(K)NbO_4 \cdot nH_2O \cdot mH_2O_2$, $Na_4Ta_2Ol_2 \cdot nH_2O$

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were synthesized first. Some properties of the new obtained compounds were studied (thermal and chemical stability, solubility in H_2O and H_2O_2 and others). Supplementary data on the properties of the sodium and potassium peroxortho salts of niobium and tantalum were obtained (thermal, chemical stability, solubility in H_2O) as well as x-rays of the powders. So far the experiments in separating niobium and tantalum on the basis of peroxide compounds have not confirmed the possibility of such separation. Orig. art. has: 13 figures

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Card 2/2

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Congenital mesenteric cysts in children. Khirurgiia 39 no.4: 68-71 Ap'63 (MIRA 17:2)

1. Iz detskogo khirurgicheskogo otdeleniya (zav. - kand. med. nauk M.N.Stepanova) Moskovskogo oblastnogo nauchno-issledovatel'skogo klinicheskogo instituta im. Vladimirskogo.

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Preparation of sodium and potassium orthoniobates via ortho-peroxoniobates. Izv. AN SSSR Ser. khim. no.11:2084-2086 N '64 (MIRA 18:1)

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DOROGOVA, Ye.V.; SELEZNEVA, L.G.

Physiotherapeutic treatment of keloid cicatrices of the skin. Sov.med. 28 no.11:138-140 N '65. (MIRA 18:12)

1. Institut nevrologii (direktor - deystvitel'nyy chlen AMN SSSR prof. N.V.Konovalov) AMN SSSR i Institut khirurgii imeni A.V.Vishnevskogo (direktor - deystvitel'nyy chlen AMN SSSR prof. A.A.Vishnevskiy) AMN SSSR, Moskva.

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Pyrogenal treatment of corneal opacity following burns. Eksper. khir. i anest. no.2:32-33'63. (MIRA 16-7)
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(PYROGENAL)

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[Spectral metal-vapor lamps. High-intensity hydrogen GV-3 Geissler tube]Spektral'nye parometa licheskie lampy. Vysokointensivnaia geislerovskaia vodorodnaia trubka GV-3[By]A.I. Bodretsova i S.I.Levikov. Moskva, Filial Vses.in-ta nauchn. i tekhn. informatsii, 1958. 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 37. No.P58-90/3)
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Some results of the qualitative determination of organic substance dissolved in underground water. Neftegaz. geol. i geofiz. no.4:38-40 '65. (MIRA 18:7)

1. Institut geologii i razrabotki goryuchikh iskopayemykh, Moskva.

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Secretory function of a section of the small intestine removed for antethoracal plastic surgery by the Roux-Gertzen method. Lab.delo 5 no.5:16-17 S-O '59. (MIRA 12:12)

1. Iz klinicheskoy laboratorii (zav. Ye.A. Khrushcheva) Instituta khirurgii imeni A.V. Vishnevskogo AMN SSSR, Moskva.
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Lessons must be conducted with the participation of students. Prof.-tekh.obr. 20 no.11:17 N '63. (MIRA 17:1)

SELEZNEVA, M. A.

USSR/Physics - Multivibrator transients

FD-1140

Card 1/1 Pub. 129-4/23

Author : Karasev, M. D., and Selezneva, M. A.

Title : Transient processes in a multivibrator under various regimes

Periodical : Vest. Mosk. un., Ser. fizikomat. i yest. nauk, 9, No 7, 33-42, Oct 1954

Abstract : The authors employ the qualitative method for investigating multivibrator systems with large nonlinearity, which was developed by USSR radio physicists (A. A. Andronov and S. E. Khaykin, Teoriya kolebaniy [Theory of Oscillations], 1937). They claim that the familiar methods for analyzing the steady-state processes in nonlinear systems by means of the small-parameter technique are ineffective in analyzing systems with large nonlinearity. In this work the authors give a graphical-analytical interpretation of the qualitative method as applied to the multivibrator, and show that in the graphical representation of nonlinear dynamic anode characteristics of tubes it is possible to obtain comparatively simply a quantitative solution to the nonlinear differential equations of the multivibrator and to trace the steady-state process. The authors found one more regime qualitatively distinct from the usual three others; they call it "regime of collapsing self-excited oscillations." Reference: V. V. Vitkevich, "Synchronization of relaxation generators on overtones," Candidate Dissertation, Moscow State University, 1941.

Submitted : March 22, 1954