YEFREMOV, V.

The new classification of underwater sports. Voen. znan. 40 no.8: 40-41 Ag '64. (MIRA 17:11)

1. Chlen prezidiuma Federatsii podvodnogo sporta SSSR.

YEFREMOV, V.

For the Bruno Roghi cup. Voen. znan. 40 no.10:40 O '64. (MIRA 17:12)

1. Kapitan sbornoy komandy SSSR po podvodnomu sportu.

YEFREMOV, V., doktor tekhn. nauk; PROKOP'YEV, V., inzh.; FINKEL'SHTEYN, E.

Some problems in the overhaul of the ZIL-130 engines. Avt. transp. 43 no.4:25-28 Ap '65. (MIRA 18:5)

YEFREMOV, V., master sporta

A crystal boat at out mooring. Voen.-znan. 41 no.12:40-41 D '65. (MIRA 18:12)

1. Chlen prezidiuma Federatsii podvodnogo sporta SSSR.

YEFREMOV, V., prof.; ASRIYANTS, A., dotsent

Urgent tasks in the organization of motor-vehicle repairing.
Avt. transp. 43 no.1:1-3 Ja '65. (MIRA 18:3)

RUDAKOV, Yu.A.; ALEKSANDROVA, L.F.; YEFREMOV, V.A.

Conveyer for the manufacture of upholstered furniture.
Der.prom. 11 no.3:19-20 Mr '62. (MIRA 15:2)

1. Armavirskiy mebel'no-derevoobrabatyvayushchiy kombinat.
(Upholstery)
(Assembly-line methods)

YEFREMOV, V.A. inzhener, redaktor; PERSON, M.N., tekhnicheskiy redaktor

[Norms and technical requirements in designing wooden structural elements] Normy i tekhnicheskie usloviia proektirovaniia deveviannykh konstruktsii (N i TU 122-55) Moskva, Gos. izd-vo lit-ry po stroiltel'stvu i arkhitekture, 1955. 87 p. (MLRA 8:8)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva.
(Building, Wooden)

S/194/62/000/001/010/066
D201/D305

9.7000

AUTHORS: Afinogenov, L. P., Yefremov, V. D. and Kolosov, V.G.

TITLE: Ferrite switching circuits based on the principle of current distribution

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika, no. 1, 1962, abstract 1-2-9g (Nauchno-tekhn. inform. byul. Leningr. politekhn. in-t, 1960, no. 12, 24-31)

TEXT: A description of circuits, designed on the principle of current distribution, is given. They may find wide application in various switching arrangements. The described circuits are distinguished by an excellent reliability, simplicity and fast operation. The following are described: The basic circuit of a ferrite switch, its functional circuit diagram, a distributor circuit with a reduced number of ferrite elements, a cascaded distributor connection and the circuits of two cells of a shift register. 6 figures. 7 references. /Abstracter's note: Complete translation./

VB

Card 1/1

SUCHILIN, Aleksandr Mikhaylovich; YEFREMOV, V.D., red.

[Principles of computer engineering] Osnovy vychislitel'noi tekhniki. Moskva, Energiia, 1964. 411 p. (MIRA 17:11)

S/194/61/000/012/030/097
D201/D303

AUTHORS: Afinogenov, L. P., Yefremov, V. D. and Kolosov, V. G.

TITLE: Counting and logic ferrite systems, based on the principle of current distribution

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika, no. 12, 1961, 28, abstract 12B177 (Nauchno-tekhn. inform. byul. Leningr. politekhn. in-t, 1960, no. 12, 32-42)

TEXT: The circuits of counting and logic devices are considered: Binary and decimal reversible counters, binary storage adders, decoders for 32 and 1024 outputs, a code comparison circuit and a circuit for memory code comparison. The following requirements had to be taken into consideration in designing the above circuits: 1) Large signal-to-noise ratio; 2) the lack of flowing back information; 3) use of components of long-life-time; the circuit operation should not largely depend on the spread of circuit component parameters and on the supply voltage and pulse changes; 4) the

Card 1/2

Counting and logic ... S/194/61/000/012/030/097
D201/D303

superimposition principle or compensation of signals from various sources is inadmissible. [Abstractor's note: Complete translation.]

Card 2/2

L 61634-65 EWT(d)/ELD-2/EWP(1) Pa-4/Pe-4/Pk-4 IJP(c) BB/GG/GS
ACCESSION NR: AT5014713 UR/0000/65/000/000/0071/0082

AUTHOR: Yefremov, V. D.; Marakhovskiy, V. B.; Nosyrev, I. K.

TITLE: Rapid memory with linear number sampling for small computers operating in the decimal code

SOURCE: Operativnyye i postoyannyye zapominayushchiye ustroystva (Rapid and non-volatile storage), sbornik statey. Leningrad, Izd-vo Energiya, 1965, 71-82

TOPIC TAGS: linear number sampling, small decimal code memory, transistorized ferrite memory, rapid memory, floating decimal point memory

ABSTRACT: The paper describes one of the rapid computer memories with linear number sampling developed by the laboratory of problems in automation and telemechanics of the LPI im. M. I. Kalinina. It operates in the decimal code, has a floating decimal point, 13 decimal digits, operational memory capacity of 1000 addresses, and the same capacity of fixed memory. All logical and switching circuits are made of transistors, diodes, and ferrite toroidal cores using the distributed current principle. The article proves the appropriateness of the use of the distributed current principle for the design of control memory

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L 61634-65
ACCESSION NR: AT5014713

devices. It also presents the design, operating time diagrams, structural diagram, and the descriptions of various control blocks (decoder, regeneration and code control, pulse shapers). Orig. art. has: 4 formulas and 6 figures.

ASSOCIATION: LPI im. M. I. Kalinina

SUBMITTED: 20Jan65 ENCL: 00 SUB CODE: DP

NO REF SOV: 000 OTHER: 000

Card 2/2

L 61634-65
ACCESSION NR: AT5014713

devices. It also presents the design, operating time diagrams, structural diagram, and the descriptions of various control blocks (decoder, regeneration and code control, pulse shapers). Orig. art. has: 4 formulas and 6 figures.

ASSOCIATION: LPI im. M. I. Kalinina

SUBMITTED: 20Jan65 ENCL: 00 SUB CODE: DP

NO REF SOV: 000 OTHER: 000

Card 2/2

L 1294-66 EWT(d)/EED-2/EWP(1) IJP(c) BB/GG
ACCESSION NR: AR5007329 UR /0271/65/000/001/B044/B044
681.142.62

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika. Sv. t., Abs. 1B253

AUTHOR: Yefremov, V. D.; Nekrasov, S. P.

TITLE: Code converters based on a current-distribution principle

CITED SOURCE: Uch. zap. aspirantov i soiskateley. Leningr. politekh. in-t. Elektroizmerit. tekh. i avtomatika. L., 1963, 72-78

TOPIC TAGS: code converter, binary decimal converter

TRANSLATION: Several code converters constructed on a current-distribution principle and using square-loop ferrites are described. A circuit for converting binary code into "1 out of 2" code is presented. In the binary system of coding, the signal in the trunk corresponds to 1, the absence of a signal, to 0. In the "1 out of 2" code, a signal in one trunk means 1, in another trunk, it means 0. The circuit operation is described. A circuit for converting three digits of the "1 out

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ACCESSION NR: AR5007329

of 2" code into a "1 out of 8" code is explained. The above circuits permit designing the converters of a binary number into any number system having base 2^n. A conversion circuit of one digit of a "2 out of 5" code into a "1 out of 10" code is considered, as is a circuit for conversion of the cyclic Gray code into a "1 out of 2" code. The conversion algorithm is presented, and operation is explained. Also, a binary-decimal converter is considered which includes a control device that coordinates the operation of various components, a counter that checks the moment of finishing the conversion, and decimal and binary resisters; the converter operation is described. A circuit is given of one digit of the decimal register which permits doubling of the stored number. A structural diagram of a decimal-binary converter is presented. A circuit of one digit of the decimal register which permits division of the stored number by 2 is presented. Bibl. 2, figs. 8.

SUB CODE: DP ENCL: 00

Card 2/2

GROMYKO, M.I.; YEFREMOV, V.F., inzhener; OGINSKAYA, I.I., inzhener.

Control desk of a receiving station. Vest.sviazi 16 no.4:10-12 Ap '56. (MLRA 9:9)

1.Nachal'nik priyemnoy radiostantsii (for Gromyko).
(Radio stations--Apparatus and supplies)

L 44376-66 EWT(1)/EWT(m)/EEC(k)-2/T

ACC NR: AP6030612 SOURCE CODE: UR/0413/66/000/016/0101/0102

INVENTOR: Yefremov, V. F.; Ivanov, A. Ya.; Kudryashova, N. A.; Nikolayeva, A. N.; Prishchepo, V. A.

55
B

ORG: none

TITLE: Proton magnetometer. Class 42, No. 185090 [announced by Special Designing Bureau, State Geological Committee (Osoboye konstruktorskoye byuro Gosudarstvennogo geologicheskogo komiteta)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 16, 1966, 101-102

TOPIC TAGS: proton magnetometer, magnetometer, signal shaping, voltage regulator

ABSTRACT: A proton magnetometer, consisting of a signal-shaping unit and a voltage transformer connected by means of a controlled electronic switch to a frequency divider, time generator, and scaling and recording units, has been designed to facilitate a broader measurement range. An auxiliary generator is connected by controlled electronic switches to the frequency divider and scaler and has gang tuning with selector elements of the magnetometer input circuit. To regulate pulses from the auxiliary generator to the scaler, an electronic switch controlled by the pulse current of the voltage transformer is connected

Card 1/2 UDC: 550.380.8

L 44376-66
ACC NR: AP6030612

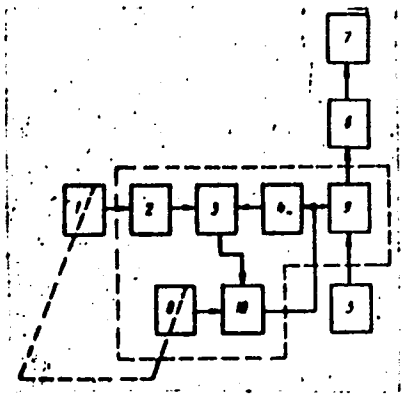

Fig. 1. Proton magnetometer

1 - Signal-shaping unit; 2 - voltage transformer; 3 - electronic switch; 4 - frequency divider; 5 - time generator; 6 - scaler; 7 - recorder; 8 - auxiliary generator; 9/10 - electronic switches.

by another electronic switch to the output of the auxiliary generator. The block diagram in Fig. 1 shows the arrangement of the components. Orig. art. has: 1 figure. [DM]

SUB CODE: 08/ SUBM DATE: 28Mar63/ ATD PRESS: 5077

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18/

Card 2/2 hs

[redacted], V. (Sapernoye, Leningradskoy obl.)

Low-frequency compensation and volume control. Radio no.9:35-S '61. (MIRA 14:10)

(Radio--Receivers and reception)

L 21206-66 EWT(l)/EWT(m)/EWP(w)/EWA(d)/T/EWP(t)/EWP(k)/EWA(h) IJP(c) JD/JG

ACC NR: AP5026920 SOURCE CODE: UR/0185/65/010/010/1141/1145

AUTHOR: Gors'kyy, F. K.—Gorskiy, F. K.; Yefremov, V. I.

ORG: Belorussian Institute of Rural Mechanization, Minsk (Bilorus'kyy institut mekhanizatsiyi sil'skogo gospodarstva)

TITLE: Effect of ultrasonic vibrations on the kinetics of ordering of solid solutions

SOURCE: Ukrayins'kiy fizychnyy zhurnal, v. 10, no. 10, 1965, 1141-1145

TOPIC TAGS: ultrasonic vibration, copper alloy, gold alloy, aluminum alloy, metal heat treatment, magnetic property, electric property, solid mechanical property, physical diffusion, metal hardening, temperature dependence

ABSTRACT: The phenomenon of ordering solid solutions which extended the area of applications of heat treatment was discovered in the process of investigation copper and gold alloys. As a result of alloy ordering, the mechanical, magnetic, electric and other properties of alloys can be markedly changed, making the study of this phenomenon an important part of the general problem of obtaining alloys with given properties. Ordering, like other phase transformations, takes place with the formation and growth of nuclei of the new phase. According to the fluctuation theory of phase transformation, one of the factors determining the kinetics of the process is diffusion. The authors have previously shown that the relief of the

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L 21206-66

ACC NR: AP5026920

diffusion process with ultrasonics may accelerate dispersion hardening (aging) of alloys. (For example, the process is accelerated 70 times for aluminum alloys.) The purpose of this study was to verify whether it is possible to accelerate the ordering of alloys with ultrasonics. To study the kinetics of ordering of aluminum bronze (6.5% Al), the method of electrical resistance measurement was used. Before testing, the samples were annealed at 750C (time 3 hours) and cooled down together with the furnace. The fixation of the unordered state was achieved with hardening from 500C (time 1 hour) into water at 20C. The introduction of ultrasonics took place in water bath by means of a magnetostrictive transformer, at a frequency of 19—20 kilocycles. The transformer was fed by an ultrasonic generator (power 2.5 kw). The acoustic efficiency in the bath was 1.25 kw. At the temperature of the experiments —70C — ultrasonic vibrations accelerated the process of ordering four times. Ultrasonics may be used in the heat treatment of ordered alloys in two ways: shortening the time of treatment at the treatment temperatures ordinarily employed, or conducting the ordering process at a lower temperature. Orig. art. has: 3 figures. [Based on authors' abstract.] [NT]

SUB CODE: 11, 20/ SUBM DATE: 150ct64/ ORIG REF: 013/

Card 2/2

YEFREMOV, V. I.

Acoustics, Ultrasound (1971)
Izv. AN BSSR, No 3, 1953, pp 155-164. "Influence of Ultrasound on the Decomposition of Solid Solutions."

Discusses phase transformation in the solid state without cavitation. Investigates the influence of ultrasound on the provess of dispersion hardening of aluminum alloys.

SO: Referativnyy Zhurnal--Fizika, No 2, Feb 54; (W-30785, 28 July 1954)

ACC NR: AP7000599 SOURCE CODE: UR/0129/66/000/011/0061/0061

AUTHOR: Yefremov, V. I.; Gorskiy, F. K.

ORG: Belorussian Institute of the Mechanization of Agriculture (Belorusskiy institut mekh anizatsii khozyaystva)

TITLE: Ultrasonic hardness test

SOURCE: Metallovedeniya i termicheskaya obrabotka metallov, no. 11, 1966, 61

TOPIC TAGS: metal inspection, hardness ~~test~~, ultrasonic equipment, ultrasonic inspection, ultrasonic vibration, metallurgic testing machine

ABSTRACT: A prototype of an ultrasonic hardness tester has been designed and built on the basis of the TSh standard hardness tester. Ultrasonic vibrations are applied to the indentor and the hardness, designated as cyclic hardness Hc, is determined as the quotient of the used load in kg and the surface area of indentation in mm^2, as in standard Brinell testing. However, the areas of indentation attained with the application of ultrasound are larger and consequently the values of Hc are lower than those attained in standard tests. For instance, the respective values of Hc and HB were 109 and 229 for steel 45 and 171 and 193 for D16T aluminum alloy. The ratio Hc:HB, which was 0.47 for

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ACC NR: AP7000599

steel 45 and 0.88 for D16T alloy, was found to be close to the ratio of the fatigue limit to tensile strength, which means that the ultrasonic hardness test can be used instead of time and labor-consuming fatigue tests. Orig. art. has: 1 figure.

SUB CODE: 11,13,20 14/SUBM DATE: none

Card 2/2

KONOVALOV, Ye.G.; YEFREMOV, V.I.

New method for dynamic tesing of metals. Dokl. AN BSSR 2 no.7:283-287 Ag '58. (MIRA 11:10)

1. Predstavleno akademikom AN BSSR K.B.Gorevym.
(Metals--Testing)

KONOVALOV, Ya.R. [Kanavalau, IA.R.]; YEFREMOV, V.I. [IAfremau, V.I.]

Effect of ultrasonic vibrations on the strength and plasticity of brass. Vestsi AN BSSR. Ser. Fiz.-tekh. nav. no. 4:93-98 '60. (MIRA 14:1)

(Ultrasonic waves) (Brass)

YEFREMOV, V. I.

Cand Tech Sci - (diss) "Effect of ultrasonics on the mechanical properties of metallic alloys in the hardened state." Minsk, 1961. 11 pp; (Academy of Sciences Belorussian SSR, Joint Academic Council of the Division of Technical Sciences); 200 copies; price not given; (KL, 7-61 sup, 236)

KONOVALOV, Ya.R. [Kanavalau, IA.R.]; YEFREMOV, V.I. [IAfremau, V.I.]

Effect of ultrasound waves on the strength and plasticity of statically loaded brass. Vestsi AN BSSR Ser. fiz.-tekh. nav. no. 1:114-119 '61. (MIRA 14:4)

(Brass) (Ultrasonic waves)

L 10627-66 EWT(m)/T/EWP(t)/EWP(k)/EWP(b)/EWA(h)/EWA(c) JD

ACC NR: AR5023533 SOURCE CODE: UR/0275/65/000/008/V019/V019

SOURCE: Ref. zh. Elektronika i yeye primeneniye, Abs. 8V146

AUTHOR: Konovalov, Ye. G.; Rimskiy, V. K.; Yefremov, V. I.

TITLE: Ultrasonic residual-stress relieving after a rotation machining

CITED SOURCE: Sb. Primeneniye ul'trazvuka v mashinostr. Minsk, Nauka i tekhnika, 1964, 51-56

TOPIC TAGS: ultrasonics, ultrasonic irradiation, engine cylinder, stress relaxation/ PD-10 engine cylinder

TRANSLATION: PD-10 engine cylinders with their stiffening rings were treated with ultrasonics for 10 min after the boring operation for the purpose of relieving the residual stresses set up in the cylinders during the boring. A UZG-2,5 outfit and a PMS-6 magnetostriction pack were used. The working frequency was 20 kc; power, 1.28 kw. It was proven that the ultrasonic irradiation relieves metal surface layers of residual stresses. Bib 8, figs 2, tab 2.

SUB CODE: 13, 20,11

Card 1/1

UDC: 681.888:62

[illegible], [illegible]; [illegible]

[illegible]ivity level of erythrocytic aldolase in jaundices of various etiology. Sov. med. 28 no.10:115-116 O '65. (MIRA 18:11)

1. Klinika infektsionnykh bolezney (zav. kafedroy - prof. V.V. Kosmachevskiy) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta.

L 57832-65 EWA(h)/EWA(c)/EWT(m)/EWP(b)/T/EWP(t) Peb JD
ACCESSION NR: AR5013013 UR/0137/65/000/004/I012/I013
669.715.017.3:621.789.2

25
B

SOURCE: Ref. zh. Metallurgiya, Abs. 4I79

AUTHOR: Gorskiy, F. K.; Yefremov, V. I.

TITLE: Temperature relationship of the effect which ultrasound has on processes in the precipitation hardening of alloys

CITED SOURCE: Sb. Primeneniye ul'trazvuka v mashinostr. Minsk, Nauka i tekhnika, 1964, 47-50

TOPIC TAGS: age hardening, precipitation hardening, dispersion hardening, ultrasonic treatment, aluminum alloy

TRANSLATION: Specimens of D16 aluminum alloy were heated at 495°C for 1 hr, quenched in water and subjected to natural and artificial age hardening (at 50 and 70°C). The kinetics of hardening was studied by comparing the hardness of specimens subjected to the effect of ultrasound (frequency 19-20 kc, power 1.25 kw) with those subjected to ordinary conditions of age hardening. Maximum hardness was achieved with specimens treated in an ultrasonic field for 250 min at room temperature whereas without

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L 57832-65
ACCESSION NR: AR5013013

ultrasound the maximum was achieved after 10,000 min, i.e. age hardening of D16 alloy is accelerated 40 times under the action of ultrasound at room temperature. At 50°C the age hardening process is accelerated 1.6 times whereas at 70°C ultrasound has practically no effect on the rate of the hardening process. E. Kadaner.

SUB CODE: MM ENCL: 00

Card 2/2

L 58938-65 EWT(m)/EWP(w)/EWA(d)/EWP(t)/EPR/EWP(k)/EWP(b)/EWA(c) Pf-4
JD/EW/EM
ACCESSION NR: AR5017262 UR/0276/65/000/006/B067/B067

SOURCE: Ref. zh. Tekhnologiya mashinostroyeniya. Svodnyy tom, Abs. 6B628

AUTHORS: Konovalov, Ye. G.; Rimskiy, V. K.; Yefremov, V. I.

TITLE: Removal of residual stresses with ultrasound after rotational machining

CITED SOURCE: Sb. Primeneniye ul'trazvuka v mashinostr. Minsk, Nauka i tekhnika, 1964, 51-56

TOPIC TAGS: residual stress, stress relaxation, rolling mill, ultrasound effect

TRANSLATION: For finishing of internal surfaces with open contours (cylinders having large openings and grooves), a full-contact rotational roller mandrel, whose length is equal to or somewhat longer than the length of the cylinder, was used. To remove the residual stresses originating in the rolling process, after machining the cylinders were subjected to ultrasound for 10 minutes at an operating frequency of 20 kc and ultrasonic power delivered to the vat of 1.25 kw. A rotational mandrel with radial feed insures obtaining openings of second-class accuracy and 8-10th class finish under the condition that the machining tolerance

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L 53938-65
ACCESSION NR: AR5017262

is within 0.06-0.08 mm and the initial surface finish is within 6th class. The finishing of cylindrical surfaces having an open contour (including grooves) can be produced by rolling instead of honing. The residual stresses can be removed in an ultrasonic field. Bibliography of 8 entries, 2 illustrations, and 2 tables.
A. Fomin

SUB CODE: AS, IE ENCL: 00

Card 2/2

L 39969-65 EWA(h)/EWP(k)/EWA(c)/EWT(d)/EWT(m)/EWP(b)/EWA(d)/EWP(t)/EWP(w) Pf-4/
Peb EM/JW/JD/HW/GS
ACCESSION NR: AT5006713 S/0000/64/000/000/0202/0204

AUTHOR: Konovalov, Ye. G. (Doctor of technical sciences, Professor); Yefremov, V. I.; Rimskiy, V. K.

TITLE: Ultrasonic removal of stresses in parts after plastic deformation

SOURCE: AN BSSR. Fiziko-tekhnicheskiy institut. Plastichnost' i obrabotka metallov davleniyem (Plasticity and metal working by pressure). Minsk, Izd-vo Nauka i tekhnika, 1964, 202-204

TOPIC TAGS: plastic deformation, ultrasonic treatment, reeling, stress elimination

ABSTRACT: The purpose of this article was to find a method for removing internal stresses after reeling cylinders so that the dimension of the cylinder remained constant after removing the enveloping ring, which is used to protect the opening in the cylinder skirt against distortion during reeling. The ultrasonic method was selected since the work-hardened surface of the cylinder opening after reeling was thermodynamically unstable and ultrasonic vibrations always promote the transition of metal from a thermodynamically unstable state to a more stable one by removing internal stresses. Twenty-two cylinders were reeled with enveloping

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L 39969-65

ACCESSION NR: AT5006713

rings on the skirt. After reeling, the inside diameter of the cylinder skirt was measured; then the rings were removed from 11 of these cylinders and the diameter was measured again. The other 11 cylinders were exposed to ultrasonic radiation for 10 min, after which the rings were removed from the cylinder skirts and the inside diameter measured. After reeling, the size of the cylinders at the place of the skirt with the enveloping rings had average deviations from the nominal size of 0.044-0.061 mm. The size changed (on the average by up to 0.078 mm) after removal of the ring. In the cylinders which were exposed to ultrasound and whose rings were then removed, the size decreased 0.024 mm. The authors therefore conclude that ultrasonic vibrations eliminate internal stresses after reeling. Orig. art. has: 1 table.

ASSOCIATION: None

SUBMITTED: 16May64 ENCL: 00 SUB CODE: MM

NO REF SOV: 002 OTHER: 001

Card 2/2 AB

1. YEFREMOV, V. K.: KHAYESH, M. M.

2. USSR (600)

4. Electric Networks

7. Protection from short circuit currents in underground, low voltage, electric power networks. Prom. energ. 9 no. 12, 1952.

9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

YEFREMOV, V. K.: KHAYESH, M. M.

Short Circuits

Short circuits in underground low-tension electric systems. Ugol' 27 no. 3 (312), 1952.

9. Monthly List of Russian Accessions, Library of Congress, May 1953, Uncl.

YEFREMOV, V. K.; KHAESH, M. M.; Engs.

Electricity in Mining

Safeguarding against short circuits in underground low voltage electric systems, Ugol' 28, No. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

ALYAB'YEV, Nikolay Markovich; YEFREMOV, Valentin Klavdiyevich; KAUFMAN, A.M., red.izd-va; SHKLYAR, S.Ya., tekhn.red.

[Economy of electric power in coal mines] Ekonomiia elektroenergii na ugol'noi shakhte. Moskva, Ugletekhizdat, 1959. 141 p. (MIRA 13:1)
(Electricity in mining)

PODLUBNYY, Semen Abramovich; YEFREMOV, V.K., otv. red.; KOSTON'YAN, A.Ya., red. izd-va; BOLDYREVA, Z.A., tekhn. red.

[Cable work in mines] Montazh shakhtnykh kabel'nykh linii. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po gornomu delu, 1961. 185 p. (MIRA 14:6)

(Electricity in mining) (Electric cables)

PODLUBNYI, Semen Abramovich; FAYBISOVICH, I.L., kand. tekhn.nauk, retsenzent; YEFREMOV, V.K., inzh., otv. red.; KOSTON'YAN, A.Ya., red.izd-va; SHKLYAR, S.Ya., tekhn. red.

[Installing mine equipment]Montazh shakhtnogo oborudovaniia. Moskva, Gosgortekhizdat, 1962. 406 p. (MIRA 16:3)
(Mining engineering--Equipment and supplies)

MELENT'YEV, Lev Aleksandrovich; SHTEYNGAUZ, Yevgeniy Oskarovich; RUSSAKOVSKIY, Ye.A., prof., retsenzent; UGORTS, I.I., inzh., retsenzent; YELOKHIN, Ye.A., red.; YEFREMOV, V.K., red.; BORUNOV, N.I., tekhn. red.

[Economics of the power supply of the U.S.S.R.] Ekonomika energetiki SSSR. Izd. 2., perer. i dop. Moskva, Gosenergoizdat, 1963. 430 p. (MIRA 16:8)
(Power resources)

YEFREMOV, V.K.

STAL'NOY, I.F., inzhener; KOCHKIN, A.A., inzhener; ZAL'TSMAN, I.K., inzhener; YEFREMOV, V.K., inzhener; ZHELUDKOV, V.I., inzhener, nauchnyy redaktor; SKVORTSOVA, I.P., redaktor izdatel'stva; BOROVNEV, N.K., tekhnicheskiy redaktor

[Advanced methods in finishing work; practice of constructing schools using of large blocks in Moscow] Progressivnye sposoby otdelochnykh rabot; iz opyta stroitel'stva krupnoblochnykh shkol v Moskve. Moskva, Gos.izd-vo lit-ry po stroit. i arkhit., 1957. 38 p. (MLRA 10:6)

(Plastering) (Building blocks)
(Moscow--Schoolhouses)

YEFREMOV, V.M.

AID P - 2541

Subject : USSR/Electricity

Card 1/2 Pub. 26 - 25/32

Authors : Chernyshevich, V. I., S. A. Kudryashov, E. A. Bugrinov, R. R. Mamoshin, K. A. Orlov, V. M. Yefremov, Engs.

Title : On G. M. Kayalov's article "6-10 kv switch gear and control equipment in 2-story substations" (Letters from readers)

Periodical : Elek sta, 6, 54-56, Je 1955

Abstract : G. M. Kayalov in his article (No. 10, 1954, this journal) suggested the erection of 2-story substations for 6-10 kv switchgear instead of the standard 3-story buildings erected for industrial and regional sub-stations. His suggestions are considered favorably by several engineers. However, some recommendations on the distribution of the equipment and on the layout of the 2-story substations are made. One diagram.

Elek sta, 6, 54-56, Je 1955 AID P 2541

Card 2/2 Pub. 26 - 25/32

Institution : None

Submitted : No date

YEFREMOV, V.N., kandidat tekhnicheskikh nauk [deceased]

Metal corrosion in marine hydralic engineering structures.
Trudy kom. po bor'. s korr.met. no.1:36-43 '51. (MLRA 10:8)

1.Inzhenerno-stroitel'nyy institut im. V.V. Kuybysheva.
(Steel--Corrosion)
(Hydraulic engineering)

YEFREMOV, V.P.; OKUNEV, V. Ye.; KIM, D.V.

Code and graphic methods for the registration of parameters in geophysical methods of prospecting. Trudy SNIIGGIMS no. 30: 171-174 '64. (MIRA 19:1)

YEFREMOV, V.P.

Some problems in the transmission of information applicable to geophysical studies. Trudy SNIIGGIMS no. 30:175-179 '64
(MIRA 19:1)

KUSHNIR, A.Ye.; YEFREMOV, V.P.; BEL'CHINSKIY, V.A.

"Geodesy in construction" by N.K.Farenbrukh. Reviewed by A.E. Kushnir, V.P.Efremov, V.A.Bel'chinskii. Prom.stroi. no.10: 56-3 of cover '62. (MIRA 15:12)

1. Kazgiprotsvetmet.
(Geodesy) (Building)
(Farenbrukh, N.K.)

YEFREMOV, V.P.; OKUNEV, V.Ye.; KIM, D.V.

Small automatic recorder for logging. Trudy SNIIGGIMS no.27:92-94 '62. (MIRA 16:9)

1. Sibirskiy nauchno-issledovatel'skiy institut geologii, geofiziki i mineral'nogo syr'ya.
(Logging (Geology))

YEFREMOV, V.P.

Quantitative interpretation of gamma-gamma logging data. Trudy SNIIGGiMS no.27:122-126 '62. (MIRA 16:9)

1. Sibirskiy nauchno-issledovatel'skiy institut geologii, geofiziki i mineral'nogo syr'ya.
(Radioactive prospecting)

KUZNETSOV, Nikolay Mikhaylovich; LEBEDEV, Mikhail Alekseyevich; YEFREMOV, V.S., nauchnyy red.; VLASOVA, Z.V., red.; TSAL, R.K., tekhn.red.

[Combustion chambers of marine boilers operating on oil] Topochnye ustroistva sudovykh parovykh kotlov s neftianym otopleniem. Leningrad, Gos.soiuznoe izd-vo sudostroit.promyshl., 1959. 206 p. (MIRA 14:1)

(Boilers, Marine)

BEZLYUD'KO, A.I., gornyy inzh.; SOROKIN, Ye.A., gornyy inzh.; YEFREMOV, V.S., gornyy inzh.

Plans for over-all mechanization of the "Gigant" Mine. Gor. zhur. no. 1:54-59 Ja '61. (MIRA 14:1)

1. Giprorudmash, Krivoy Rog.
(Krivoy Rog Basin--Iron mines and mining)
(Mining machinery)

S/276/63/000/002/019/052
A052/A126

AUTHOR: Yefremov, V.S.

TITLE: Investigation of wear resistance of sulfidized surfaces

PERIODICAL: Referativnyy zhurnal, Tekhnologiya mashinostroyeniya, no. 2, 1963, 65, abstract 2B300 (Dokl. Mosk. s.-kh. akad. im. K.A. Timiryazeva, no. 73, 1962, 127-137)

TEXT: Two lots of normalized 45 steel were investigated. One lot was subjected to induction hardening. Some samples of each lot were sulfidized after machining. The wear-in of sulfidized and unsulfidized samples was investigated under conditions of a step-by-step loading to the specific pressure of 60kg/cm^2, at a sliding speed of 2.6 m/sec, and diesel oil lubrication, the temperature of the oil being 45°C. The dependence of temperature and of moment and coefficient of friction on the specific pressure (hardened and unhardened 45 steel - Б-83 (B-83) babbit pair, 2.6 m/sec speed, 45°C oil temperature) was established as well as the dependence of the coefficient of friction on the load for different friction pairs at 2.6 m/sec sliding speed and diesel oil lubrication. The contact clutch

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at dry friction, wear resistance and load capacity of surfaces under conditions of boundary lubrication were studied as well as the abrasive wear resistance. Bench and service tests were carried out. As a result of the investigations it has been established that sulfidized surfaces have a better wear-in capacity as compared with unsulfidized surfaces. The contact clutch of unsulfidized surfaces takes place after 2-4 minutes after the beginning of the tests and that of sulfidized surfaces after 9-20 minutes. The wear resistance and load capacity of sulfidized surfaces are considerably higher than those in case of unsulfidized surfaces. There are 4 figures and 2 tables.

T. Kislyakova

(Abstracter's note: Complete translation.)

YEFREMOV, V.S. [Yefremov, V.S.]; BERGER, Vladimir, inz. [translator]

Synthetic adhesives for plywood in the Soviet Union.
Drevo 18 no.4:134-136 Ap '63.

1. Tsentralnyy nauchnoissledovatel'skiy institut faneri i mebeli, Leningrad.

YEFREMOV, V.V., doktor tekhnicheskikh nauk, professor; GEVORKYAN, V.G., kandidat tekhnicheskikh nauk.

Vibro-contact plating for the regeneration of workpiece surfaces. Vest.mash.36 no.12:65-68 D '56. (MLRA 10:2)
(Plating) (Surfaces (Technology))

YEFREMOV, V., PROF

USSR/Vehicles - Maintenance and Repair Apr 1947
Vehicles - Standards

"Typical Norms for Technical Servicing and Repair of Motor Vehicles," Prof V. Yefremov, Dr of Technical Sciences, 5 pp

"Avtomobil'" Vol XXV, No 4

Comparison of unit maintenance cost for two principal types of motor vehicles, with tables.

12T14

YEFREMOV, V.

Types of tank repair. No 6.

Tankist, No 12, 1948.

YEFREMOV, V.

Puti razvitiia avtoremontnogo proizvodstva i trebovaniiz k konstruktsii avtomobilei. /Development ways of automobile repair industry and the requirements for automobile construction/. (Avtomobil', 1950, no. 1, ;. 12-13, diagrs.).

DLC: TL4.A87

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

YEFREMOV, V. V. (et al.)

Technology

Repair requisities in the construction of automobiles, Seriya "Razvitie konstruktsiy avtomobilei", vyp. 6. Moskva, Mashgiz., 1951.

9. Monthly List of Russian Accessions, Library of Congress, October 1953. Unclassified.

YEFREMOV, Vladimir Valentinovich, professor; KOLYCHEV, A.L., redaktor; MAL'KOVA, N.V., tekhnicheskiy redaktor

[Automobile repair] Remont avtomobilei. Moskva, Avtotransizdat ministerstva avtomobil'nogo transporta i shosseinykh dorog SSSR, Pt. 1. 1954. 343 p. (MLRA 7:10)
(Automobiles--Repairing)

YEFREMOV, V.V.

YEFREMOV, V.V., professor; KOLYCHEV, A.L., redaktor; MAL'KOVA, N.V. tekhnicheskiy redaktor.

[Repair of automobiles] Remont avtomobilei. Moskva, Nauchno-tekhn.izd-vo avtotransportnoi lit-ry, Pt. 2,1955. 310 p.
(Automobiles--Repairing) (MLRA 8:12)

YEFREMOV, V.V., professor, doktor tekhnicheskikh nauk, redaktor; SHELUKHIN, A.S., redaktor; MAL'KOVA, N.B., tekhnicheskiy redaktor

[The repair of automobiles; a collection of scientific artiles] Remont avtomobilei; sbornik nauchnykh statei. Moskva, Nauchno-tekhn. izd-vo avtotransp. lit-ry. Pt. [Reconditioning parts by beading, pressure, and chrome plating] Vosstanovlenie detalei naplavki, davleniem i khromirovaniem. 1956. 281 p. (MLRA 9:12)
(Automobiles--Repairing)

Aut. Transportation 34. No 9; 38-39, Sep 56

YEFREMOV, V.V., doktor tekhnicheskikh nauk, professor, redaktor; POGORELYY, I.P., kandidat tekhnicheskikh nauk, retsenzent; SMYSHLYAYEV, M.N., inzhener, retsenzent; POPOVA, S.M., tekhnicheskiy redaktor.

[Technology of repairing parts of caterpillar tractors] Tekhnologiia remonta detalei gusenichnykh traktorov; spravochnik. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1956. 575 p. (MLRA 9:5)
(Tractors--Repairing)

~~YEFREMOV, V.V.~~

YEFREMOV, V. V.

6261* (Russian) Building Up Worn Machine-Part Surfaces

[illegible] ...vostanovlenie iznoshennykh [illegible]

Principles, methods [illegible] construction and operation of a machine [illegible]

YEFREMOV, Vladimir Valentinovich

YEFREMOV, Vladimir Valentinovich, prof.; YAKHONTOV, O.Ye., red.; LESHYAKOV, F.I., red; MAL'KOVA, N.V., tekhn.red.

[Automibile repairing] Remont avtomobilei. Izd. 2-oe, ispr. i dop. Moskva, Nauchno-tekhn.izd-vo avtotransp. lit-ry. Pt.1. 1957. 373 p. (Automobiles--Maintenance and repair) (MIRA 11:2)

YEFREMOV, Vladimir Valentinovich, prof.; LESNYAKOV, F.I., red.; GALAKTIONOVA, Ye.N., tekhn. red.

[Repair of automobiles] Remont avtomobilei. Izd. 2., ispr. i dop. Moskva, Nauchno-tekhn. izd-vo avtotransp. lit-ry. Pt. 2., 1958. 334 p. (MIRA 11:12)

(Automobiles--Repairing)

YEFREMOV, V.V., inzh.

The MG-2-type diesel switch engine. Biul. TSNIICHM no.3:28-31 '58.
(Diesel locomotives) (MIRA 11:5)

DOTSENKO, Nikolay Illarionovich, inzh.. Prinimali uchastiye: ARONOV, N.V., starshiy mekhanik; KUVYRKIN, N.I., starshiy mekhanik; ORLOVSKIY, V.I., starshiy mekhanik; PETROVICH, A.P., starshiy mekhanik; PETROV, V.V., inzh.-konstruktor. YEFREMOV, V.V., prof., doktor tekhn.nauk, red.; YABLOKOV, V.I., red.; ZUYEVA, N.K., tekhn.red.

[Electric pulsation welding for building up metal in the repair of automobile parts] Elektroimpul'snaia naplavka metalla pri remonte avtomobil'nykh detalei. Moskva, Nauchno-tekhn.izd-vo avtotransp. lit-ry, 1958. 57 p. (MIRA 13:5)
(Automobiles--Maintenance and repair) (Electric welding)

ROZENBERG, Lyutsiya Isaakovna, kand.tekhn.nauk; YEFREMOV, V.V., prof., doktor tekhn.nauk, nauchnyy red.; MARTENS, S.L., red.; DONSKAIA, G.D., tekhn.red.

[Technical and economical expediency of repairing automobile parts] Tekhniko-ekonomicheskaia tselesoobraznost' remonta detalei avtomobilei. Moskva, Avtotransizdat, 1959. 56 p. (MIRA 12:12)
(Automobiles--Maintenance and repair)

GURMAN, V.S., inzh.; KOLYASINSKIY, Z.S., inzh.; ZHELIKHOVSKAYA, A.I., inzh.; YEMEL'YANOV, A.Ya., inzh.; RYTCHENKO, V.I., kand.tekhn. nauk, inzh.; YEFREMOV, V.V., prof., doktor tekhn.nauk, zasluzhennyy deyatel' nauki i tekhniki, nauchnyy red.; STEPANOV, V.M., red.; GALAKTIONOVA, Ye.N., tekhn.red.; NIKOLAYEVA, L.N., tekhn.red.

[Specifications for repair, assembly, and testing of units and the ZIL-150 and ZIL-585 motortrucks during overhauling] Tekhnicheskie usloviia na remont, sborku i ispytanie agregatov i avtomobilei ZIL-150 i ZIL-585 pri kapital'nom remonte. Izd.2., perer. Moskva, Avtotransizdat, 1960. 169 p. (MIRA 13:7)

1. Moscow. Nauchno-issledovatel'skiy institut avtomobil'nogo transporta. 2. Gosudarstvennyy nauchno-issledovatel'skiy institut avtomobil'nogo transporta (for Kolyasinskiy, Zhelikhovskaya, Yemel'yanov, Gurman, Rytchenko).
(Motortrucks--Maintenance and repair)

GURMAN, V.S., inzh.; KOLYASINSKIY, Z.S., inzh.; ZHELIKHOVSKAYA, A.I., inzh.; YEMEL'YANOV, A.Ya., inzh.; RYTCHENKO, V.I., kand.tekhn. nauk; YEFREMOV, V.V., prof., doktor tekhn.nauk, zasluzhennyy deyatel' nauki, nauchnyy red.; MAL'KOVA, N.V., tekhn.red.

[Technical specifications for checking and sorting parts of the GAZ-51 motortruck and GAZ-93 dump truck in overhauling] Tekhnicheskie usloviia na kontrol'-sortirovku detalei avtomobilei GAZ-51 i GAZ-93 pri kapital'nom remonte. Moskva, Avtotransizdat, 1960. 463 p. (MIRA 13:12)

1. Moscow. Nauchno-issledovatel'skiy institut avtomobil'nogo transporta. 2. Gosudarstvennyy nauchno-issledovatel'skiy institut avtomobil'nogo transporta (for Gurman, Kolyasinskiy, Zhelikhovskaya, Yemel'yanov, Rytchenko).
(Motortrucks--Maintenance and repair)

YEFREMOV, V.V., nauchnyy red.; GURMAN, V.S., otv. za vypusk; MAL'KOVA, N.Y., tekhn. red.

[Technical specifications for the inspection and sorting of parts of ZIL-150 and ZIL-585 motor vehicles during overhauling] Tekhnicheskie usloviia na kontrol'-sortirovku detalei avtomobilei ZIL-150 i ZIL-585 pri kapital'nom remonte. Moskva, Avtotransizdat, 1960. 495 p. (MIRA 14:12)

1. Moscow. Nauchno-gosudarstvennyy institut avtomobil'nogo transporta.
(Motor-vehicles--Maintenance and repair)

VORONTSOV, Ivan Alekseyevich; YEVSIKOV, Anatoliy Vasil'yevich; POPOV, Viktor Yakovlevich; TARTAKOVSKIY, Il'ya Borisovich; YEFREMOV, V.V., doktor tekhn. nauk, prof., retsenzent; BASENTSYAN, A.A., inzh., red.; EL'KIND, V.D., tekhn. red.

[Techniques and equipment for repairing V2-300 and D6 high-speed diesel engines] Tekhnologiia remonta bystrokhodnykh dizelei tipa V2-300 i D6. Izd.2., dop. i perer. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1961. 467 p. (MIRA 14:11)
(Diesel engines--Maintenance and repair)

SHADRICHEV, Viktorin Arsen'yevich; YEFREMOV, V.V., doktor tekhn. nauk, prof., retsenzent; KAZARTSEV, V.I., doktor tekhn. nauk, prof., red.; SIMONOVSKIY, N.Z., red. izd-va; SHCHETININA, L.V., tekhn. red.

[Selecting an efficient method for the reconditioning of motor-vehicle parts by metal coating]Osnovy vybora ratsional'nogo sposoba vosstanovleniia avtomobil'nykh detalei metallopokrytiiami. Moskva, Mashgiz, 1962. 295 p. (MIRA 15:9)
(Motor vehicles--Maintenance and repair)

ASRIYANTS, A.I., dots., kand. tekhn.nauk; YEFREMOV, V.V., prof., doktor tekhn. nauk, red.; FUFAYEVA, G.I., red.; CHIZHEVSKIY, E.M., tekhn. red.

[Reconditioning parts by metallization] Vosstanovlenie detalei metallizatsiei; po kursu "Proizvodstvo i remont avtomobilei (uchebnoe posobie). Pod red. Efremova. Moskva, Rosvuzizdat, 1963. 24 p. (MIRA 16:12)
(Metal spraying)

VERESHCHAK, F.P.; YEFREMOV, V.V., zasl. deyatel' nauki i tekhniki RSFSR, doktor tekhn. nauk, prof.; GRONDA, V.I., red.; BARANOV, Yu.V., tekhn. red.

[Reconditioning motor-vehicle parts by electrolytic deposition] Vosstanovlenie avtomobil'nykh detalei gal'vanicheskim narashchivaniem. n.p. Rosvuzizdat, 1963. 33 p. (MIRA 16:12)

(Motor vehicles—Maintenance and repair)
(Electroplating)

FINKEL'SHTEYN, E.S.; YEFREMOV, V.V., zasl. deyatel' nauki i tekhniki RSFSR, doktor tekhn.nauk,prof.,red.; GIRYAYEVA, V.A., red.; GRANDA, V.I., red.; BARANOV, Yu.V., tekhn. red.

[Deformation of a cylinder block and its effect on the performance of crankshaft bearings of engines] Deformatsiia bloka tsilindrov i ee vliianie na rabotu korennykh podshipnikov dvigatelia. Moskva, Rosvuzizdat, 1963. 21 p.
(MIRA 17:3)

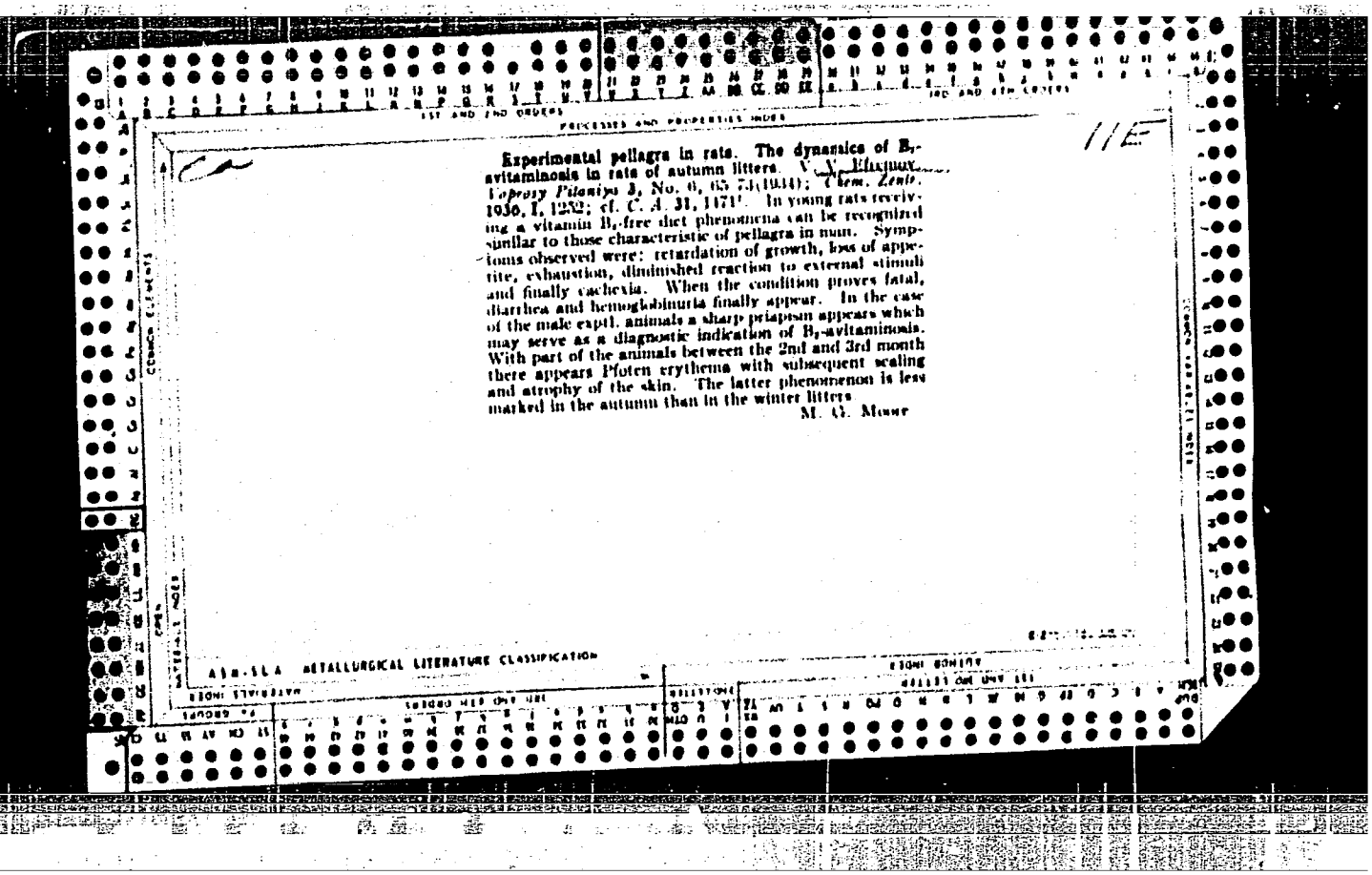
CHERVONOBRODOV , P.L.; YEFREMOV, V.V., prof., otv. red.; VLASOV, A.I., red.; SHVETSOV, S.V., tekhn. red.

[Characteristics of the assembling of rear axles of automobiles during major repairs] Osobennosti sborki zadnikh mostov avtomobilei pri kapital'nom remonte. Moskva, Rosvuzizdat, 1963. 23 p. (MIRA 17:3)

ABELEVICH, L.A.; YEFR[redacted]OV, V.V., prof., doktor tekhn. nauk, red.; KOMAROVA, M.V., red.; TUPITSYNA, L.A., red.izd-va; YASHUKOVA, N.V., tekhn. red.

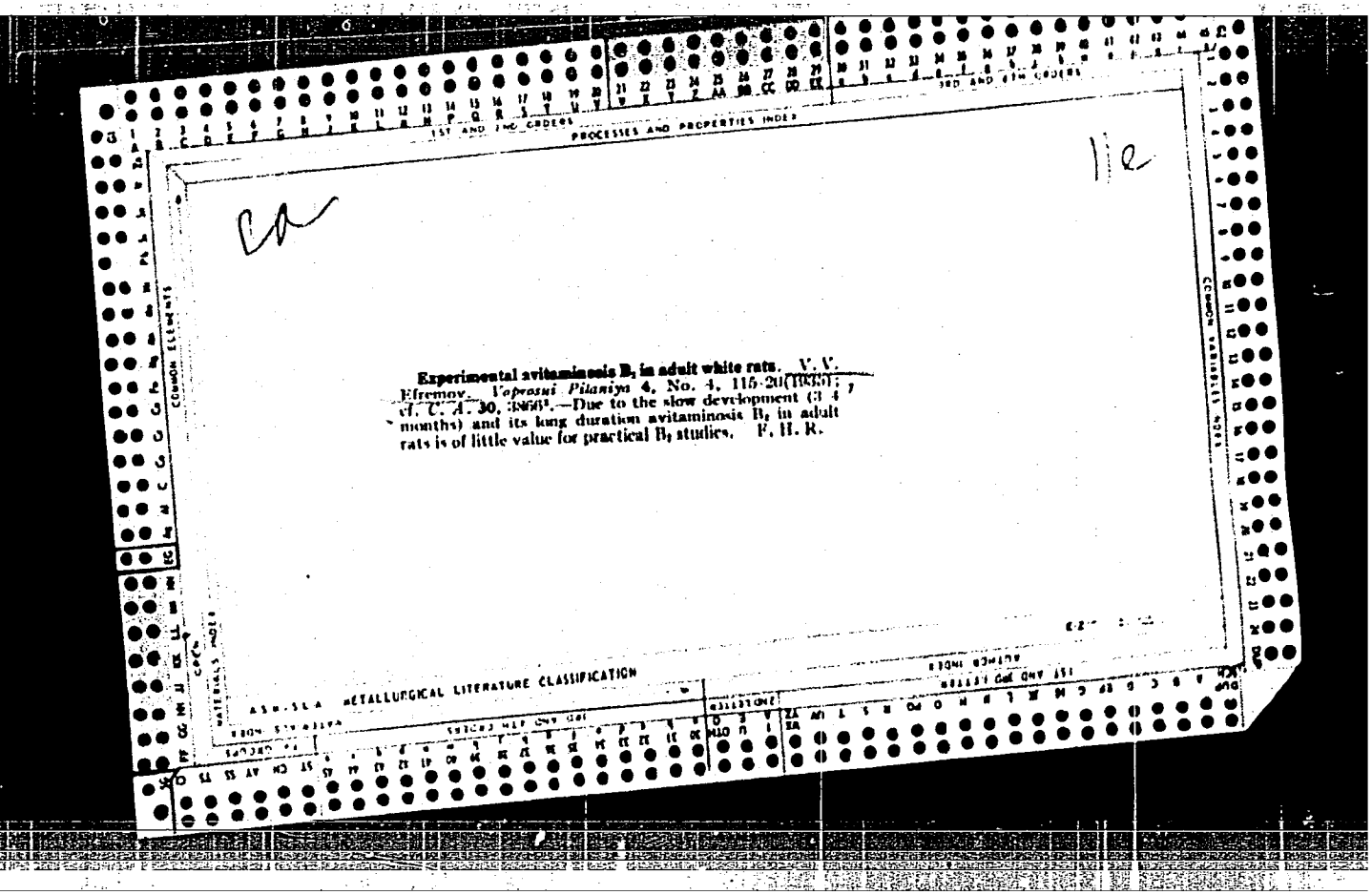
[Running-in and testing motor-vehicle units in overhauling] Prirabotka i ispytanie agregatov avtomobilei pri kapital'nom remonte. Pod red. V.V.Efremova. Rosvuzizdat, 1963. 42 p. (MIRA 16:12)

(Motor vehicles—Maintenance and repair)

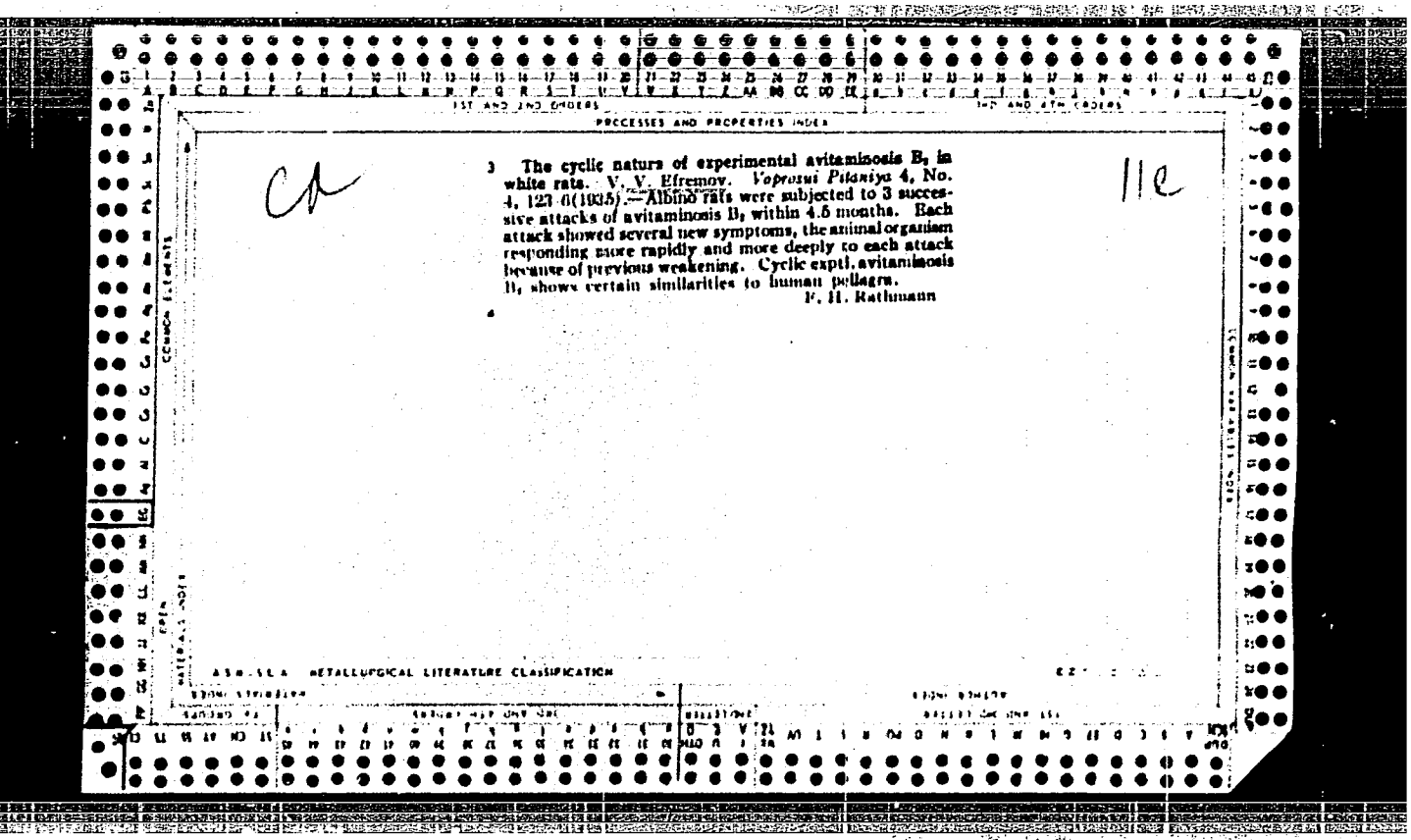


Experimental pellagra in rats. The dynamics of B_1-avitaminosis in rats of autumn litters. V. V. Efimov. *Voprosy Pitaniya* 3, No. 6, 65-73 (1934); *Chem. Zentr.* 1936, I, 1252; cf. C. A. 31, 1171[1]. In young rats receiving a vitamin B_1-free diet phenomena can be recognized similar to those characteristic of pellagra in man. Symptoms observed were: retardation of growth, loss of appetite, exhaustion, diminished reaction to external stimuli and finally cachexia. When the condition proves fatal, diarrhea and hemoglobinuria finally appear. In the case of the male exptl. animals a sharp priapism appears which may serve as a diagnostic indication of B_1-avitaminosis. With part of the animals between the 2nd and 3rd month there appears Pfoten erythema with subsequent scaling and atrophy of the skin. The latter phenomenon is less marked in the autumn than in the winter litters.

M. G. Mause



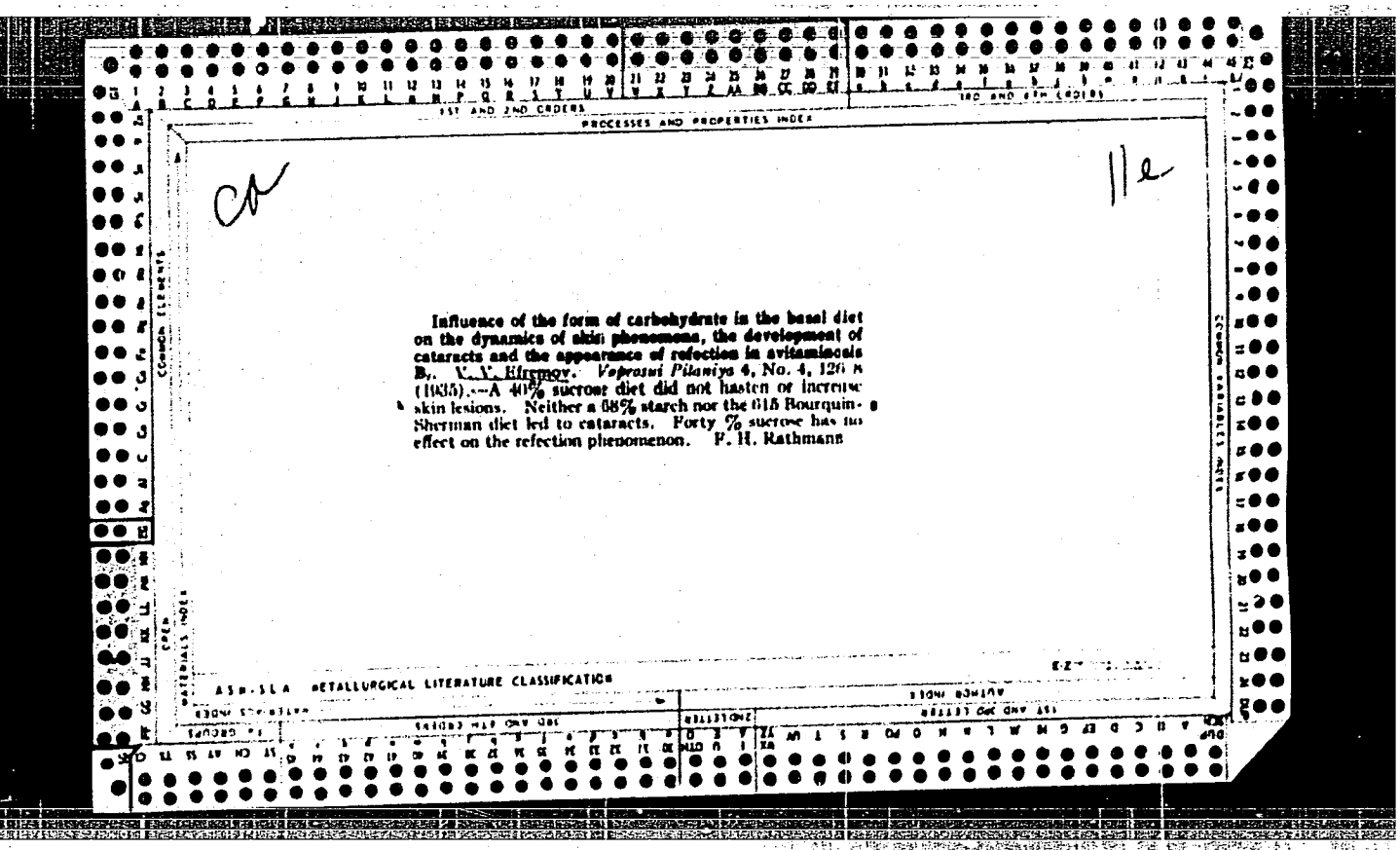
Experimental avitaminosis B_1 in adult white rats. V. V. Efremov. *Voprosi Pitaniya* 4, No. 4, 115-20(1935); cf. *C. A.* 30, 3866[1].—Due to the slow development (3-4 months) and its long duration avitaminosis B_1 in adult rats is of little value for practical B_1 studies. F. H. R.



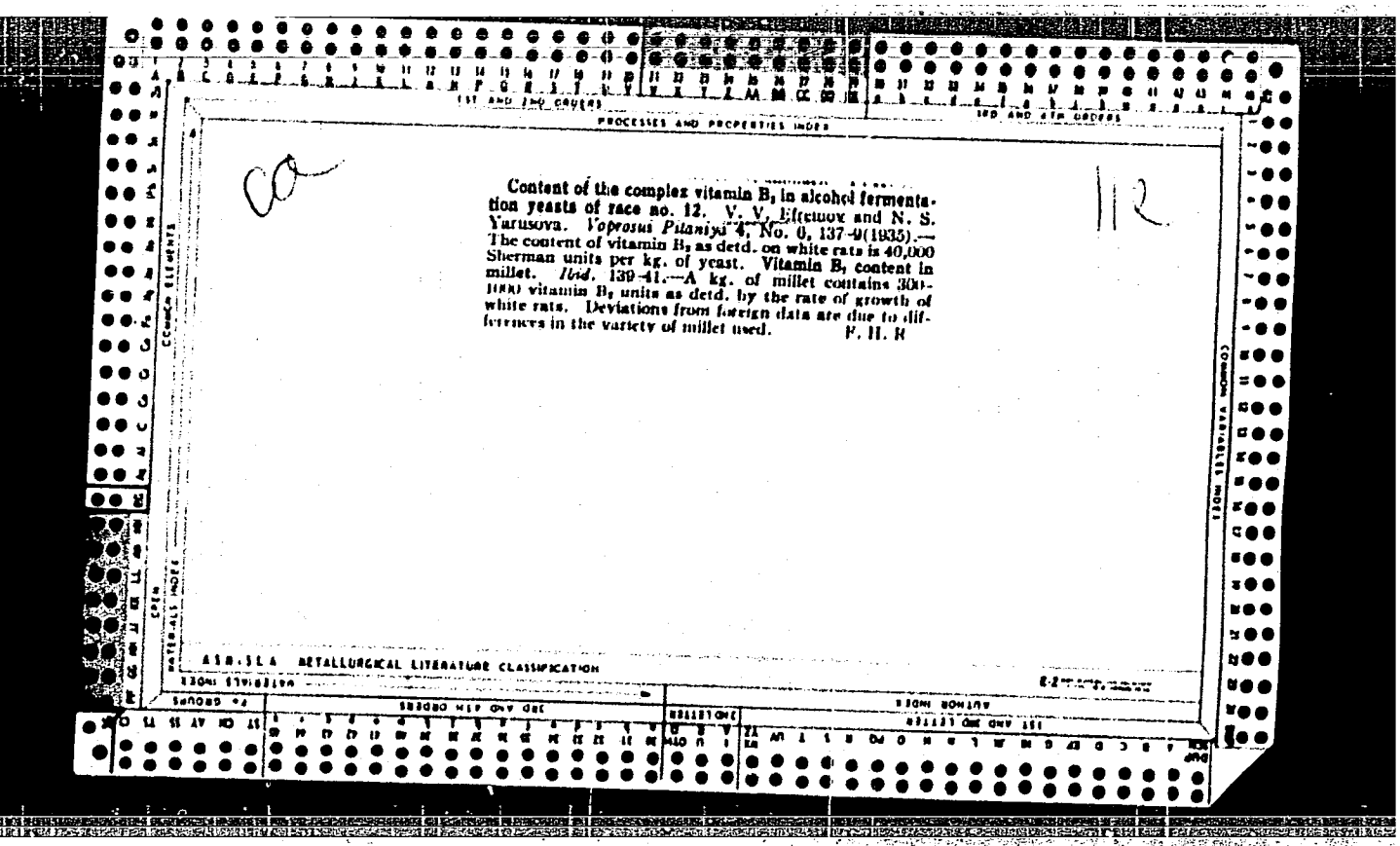
PROCESSES AND PROPERTIES INDEX

3 The cyclic nature of experimental avitaminosis B, in white rats. V. V. Efremov. *Voprosui Pitaniya* 4, No. 4, 127-6(1935).—Albino rats were subjected to 3 successive attacks of avitaminosis B, within 4.5 months. Each attack showed several new symptoms, the animal organism responding more rapidly and more deeply to each attack because of previous weakening. Cyclic exptl. avitaminosis B, shows certain similarities to human pellagra.
P. H. Rathmann

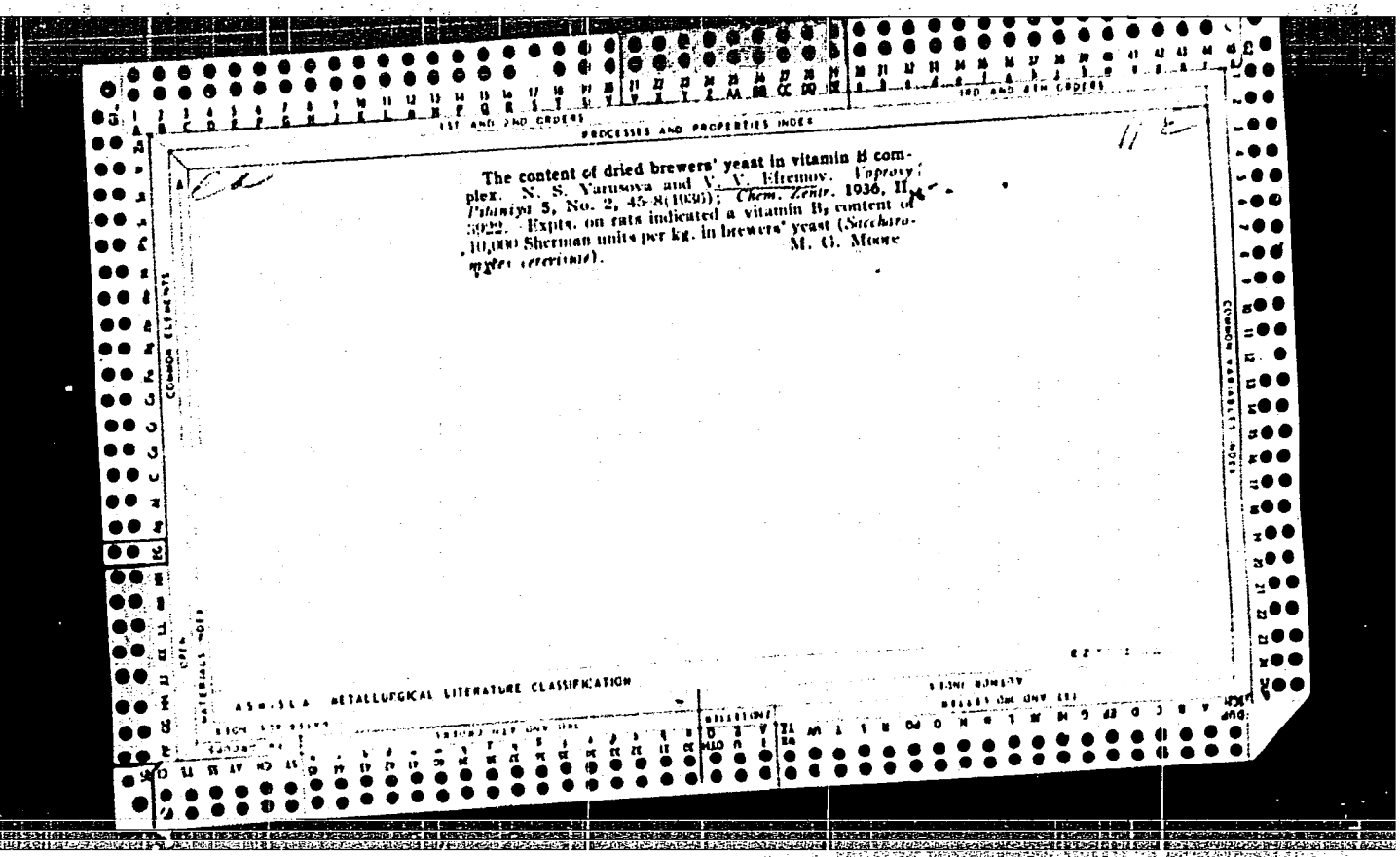
ASB-STIA METALLURGICAL LITERATURE CLASSIFICATION



Influence of the form of carbohydrate in the basal diet on the dynamics of skin phenomena, the development of cataracts and the appearance of refection in avitaminosis B$_1$. V. V. Efremov. *Voprosi Pitaniya* 4, No. 4, 126–8 (1935).—A 40% sucrose diet did not hasten or increase skin lesions. Neither a 68% starch nor the 615 Bourquin-Sherman diet led to cataracts. Forty % sucrose has no effect on the refection phenomenon. F. H. Rathmann



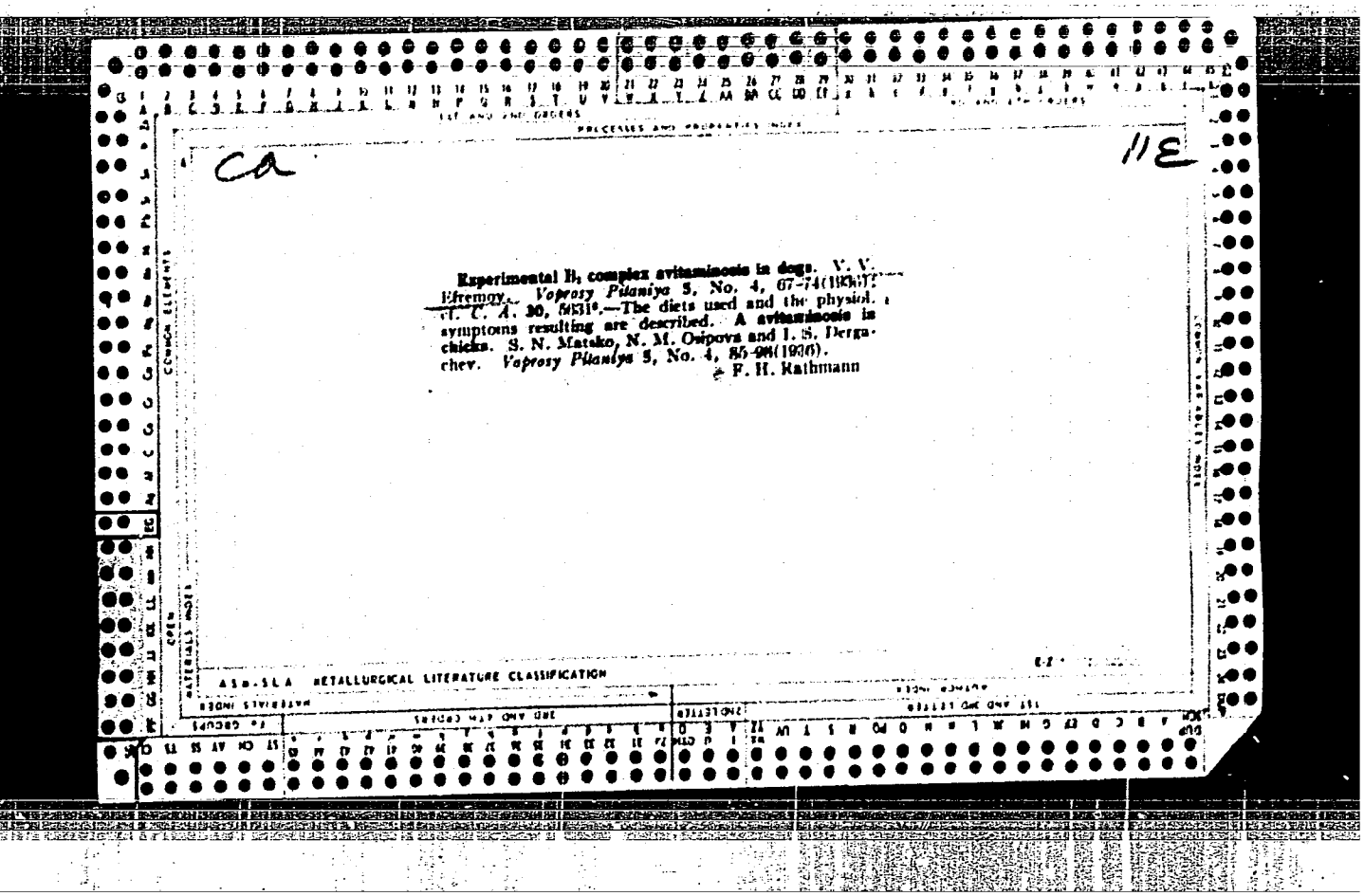
Content of the complex vitamin B_1 in alcohol fermentation yeasts of race no. 12. V. V. Efremov and N. S. Yarusova. *Voprosui Pitaniya* 4, No. 6, 137-9(1935).—The content of vitamin B_1 as detd. on white rats is 40,000 Sherman units per kg. of yeast. Vitamin B_1 content in millet. *Ibid.* 139-41.—A kg. of millet contains 300-1000 vitamin B_1 units as detd. by the rate of growth of white rats. Deviations from foreign data are due to differences in the variety of millet used. F. H. R



PROCESSES AND PROPERTIES INDEX

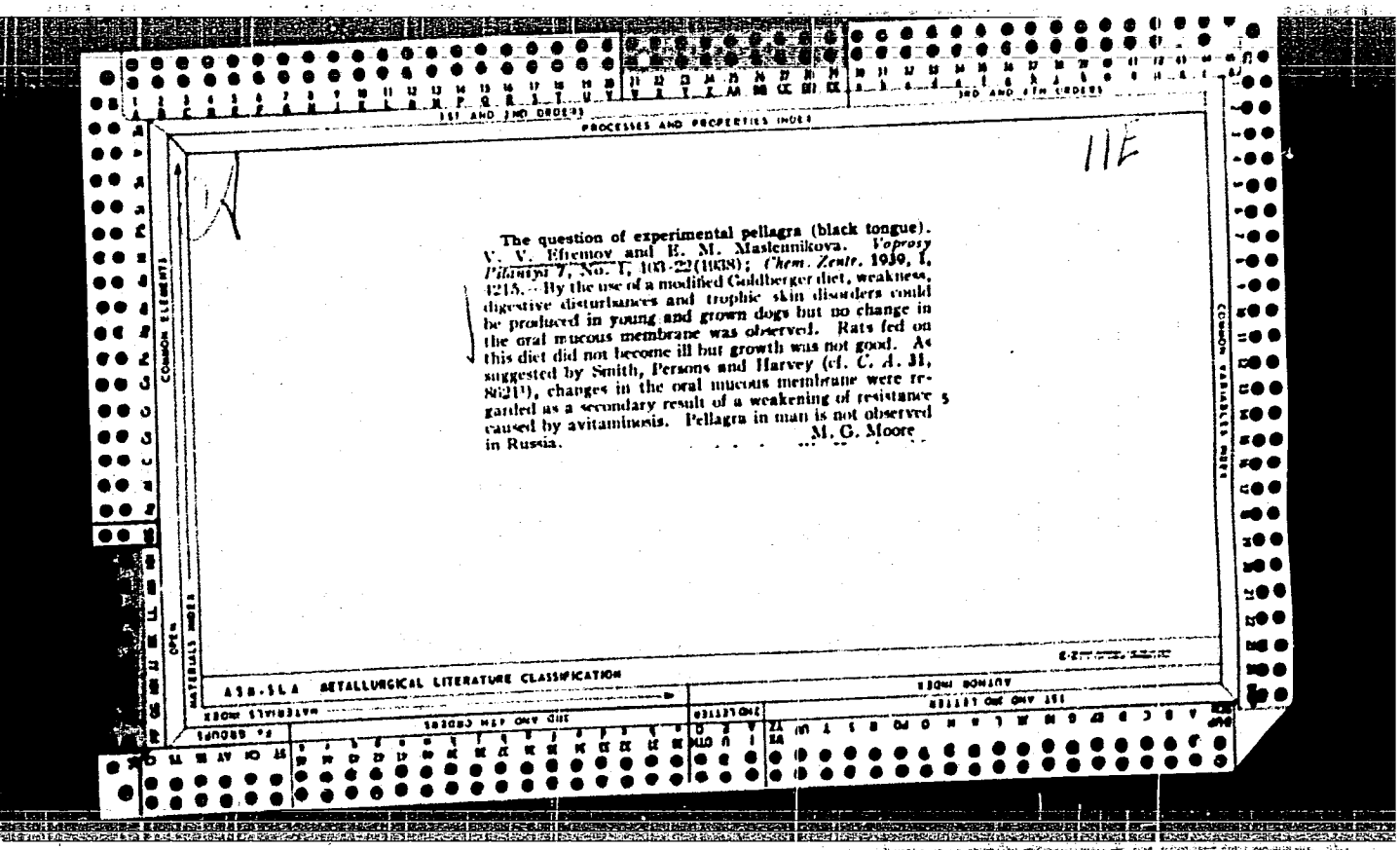
The content of dried brewers' yeast in vitamin B complex. N. S. Yarusova and V. V. Efremov. *Voprosy Pitaniya* 5, No. 2, 45-8(1936); *Chem. Zentr.* 1936, II, 3922. Expts. on rats indicated a vitamin B_1 content of 10,000 Sherman units per kg. in brewers' yeast (*Saccharomyces cerevisiae*).
M. G. Moore

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



Experimental B₁ complex avitaminosis in dogs. V. V. Efremov. *Voprosy Pitaniya* 5, No. 4, 67-74(1936).—C. C. A. 30, 6831°.—The diets used and the physiol. symptoms resulting are described. A avitaminosis in chicks. S. N. Matsko, N. M. Ostpova and I. S. Dergachev. *Voprosy Pitaniya* 5, No. 4, 85-96(1936). F. H. Rathmann

A58-SLA METALLURGICAL LITERATURE CLASSIFICATION



The question of experimental pellagra (black tongue). V. V. Efremov and E. M. Masleunikova. *Voprosy Pitaniya* 7, No. 1, 103-22(1938); *Chem. Zentr.* 1939, I, 4215.—By the use of a modified Goldberger diet, weakness, digestive disturbances and trophic skin disorders could be produced in young and grown dogs but no change in the oral mucous membrane was observed. Rats fed on this diet did not become ill but growth was not good. As suggested by Smith, Persons and Harvey (cf. *C. A.* 31, 8021), changes in the oral mucous membrane were regarded as a secondary result of a weakening of resistance caused by avitaminosis. Pellagra in man is not observed in Russia.

M. G. Moore

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

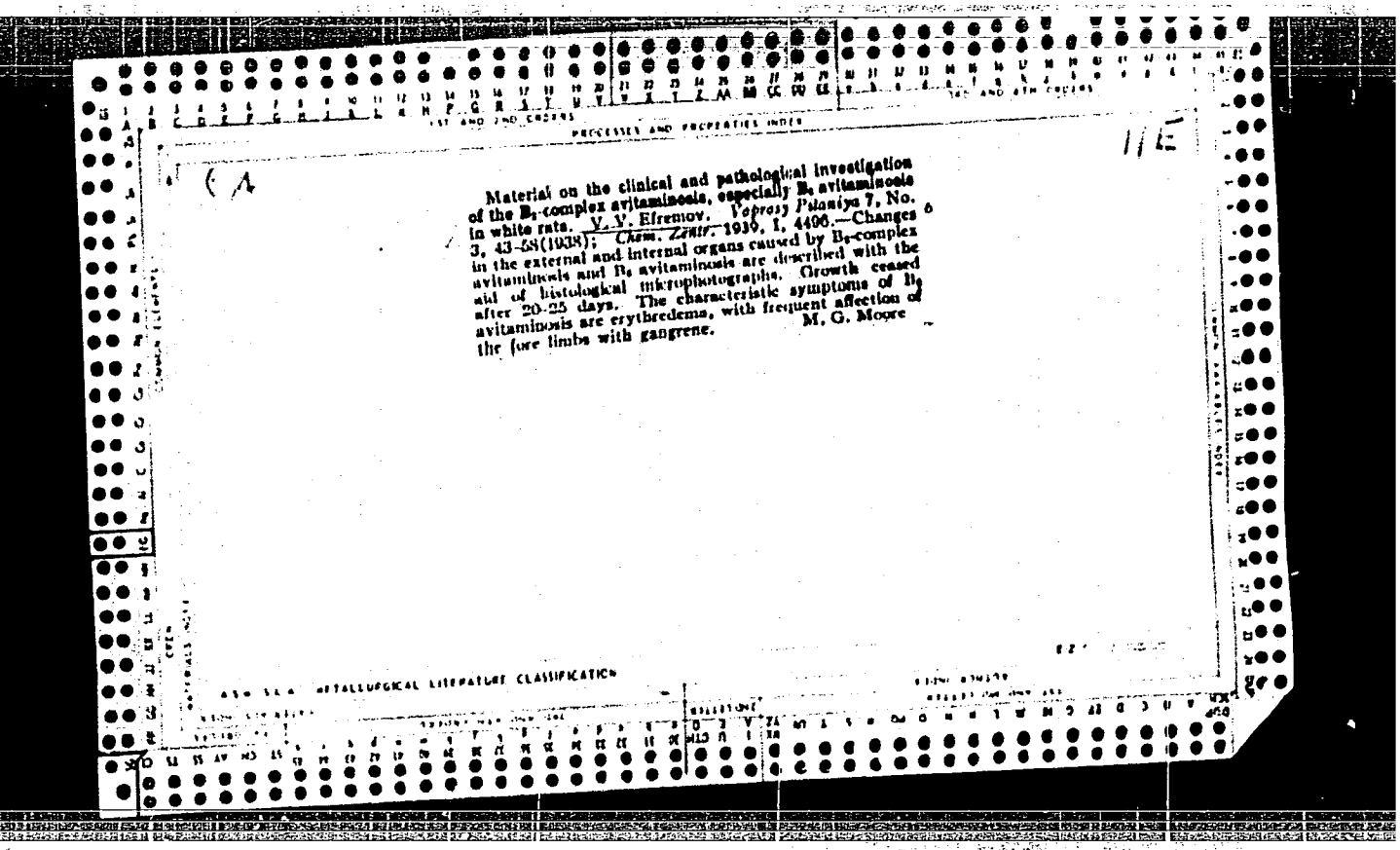
The lactoflavin activity of egg white. V. V. Efremov and R. M. Maslennikova. *Voprosy Pitaniya* 7, No. 1, 123-6 (in German 126) (1938).—One Chick-Roscoe unit of lactoflavin is contained in 0.30-0.36 g. of dried egg white from the eggs of Leghorn hens, corresponding to 2.5-3 g. fresh wt. S. A. Karjala

3RD AND 4TH ORDERS

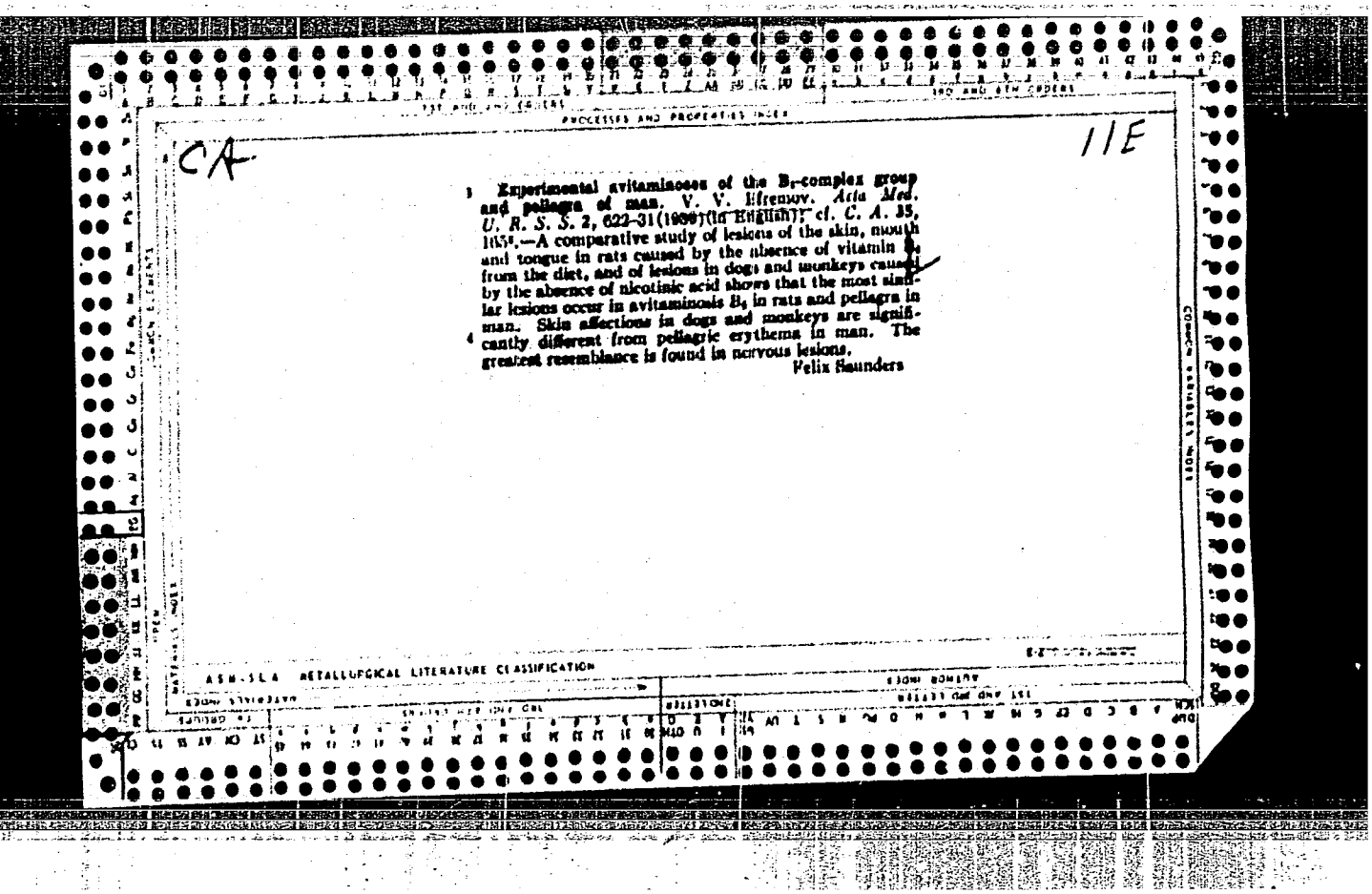
COMMON ELEMENTS

MATERIALS INDEX

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



Material on the clinical and pathological investigation of the B_1-complex avitaminosis, especially B_1 avitaminosis in white rats. V. V. Efremov. *Vopross Pitaniya* 7, No. 3, 43-58(1938); *Chem. Zentr.* 1939, I, 4406.—Changes in the external and internal organs caused by B_1-complex avitaminosis and B_1 avitaminosis are described with the aid of histological microphotographs. Growth ceased after 20-25 days. The characteristic symptoms of B_1 avitaminosis are erythredema, with frequent affection of the fore limbs with gangrene. M. G. Moore



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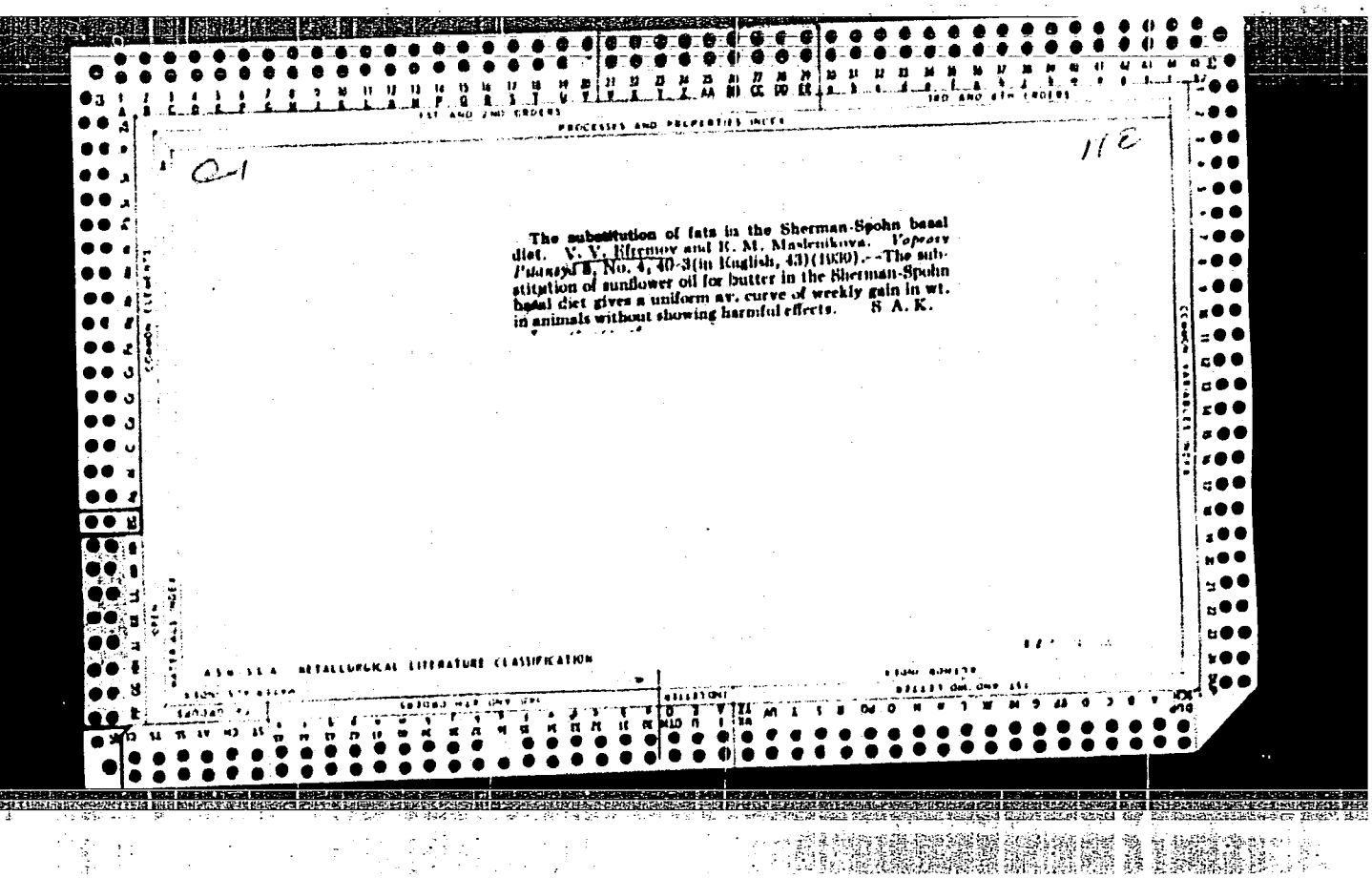
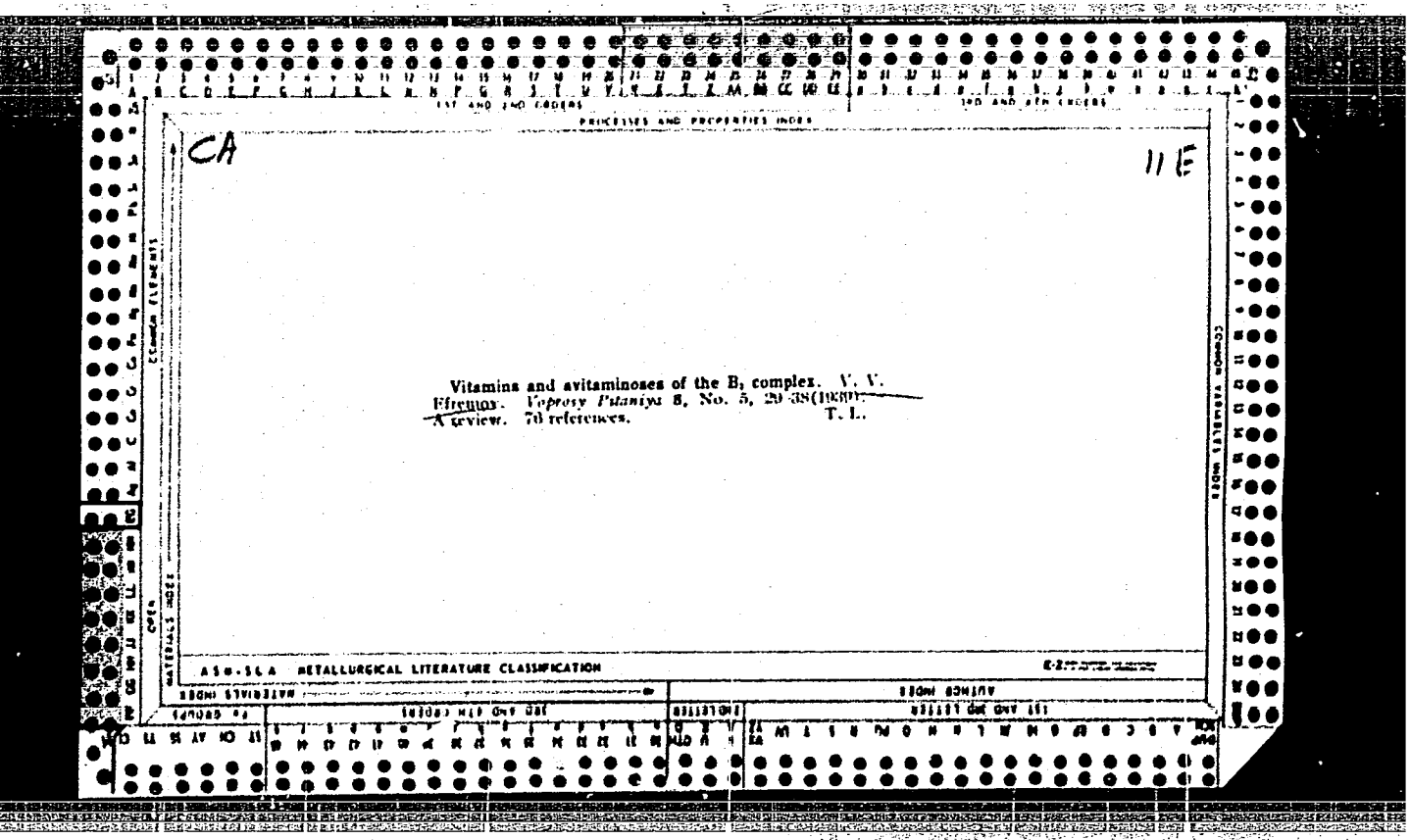
Experimental avitaminoses of the B$_1$-complex group and pellagra of man. V. V. Efremov. *Acta Med. U. R. S. S.* 2, 622-31(1936)(in English); cf. *C. A.* 35, 1053^8.—A comparative study of lesions of the skin, mouth and tongue in rats caused by the absence of vitamin B$_1$ from the diet, and of lesions in dogs and monkeys caused by the absence of nicotinic acid shows that the most similar lesions occur in avitaminosis B$_1$ in rats and pellagra in man. Skin affections in dogs and monkeys are significantly different from pellagric erythema in man. The greatest resemblance is found in nervous lesions.

Felix Saunders



The substitution of fats in the Sherman-Spohn basal diet. V. V. Rifrenov and E. M. Maslennikova. *Voprosy Pitaniya* 8, No. 4, 40-3(in English, 43)(1939).--The substitution of sunflower oil for butter in the Sherman-Spohn basal diet gives a uniform av. curve of weekly gain in wt. in animals without showing harmful effects. S. A. K.



YEFREMOV, V. V.

Pellagra

Etiology and pathogensis of pellagra in the light of modern scientific data., Novosti med., no. 22, 1951.

9. Monthly List of Russian Accessions, Library of Congress, April 1952. Uncl.

YEFREMOV, V.V.

Riboflavin and its significance for the organism. Nov.med., Moskva No.22:9-16 1951. (CLML 21:5)

EFREMOV, V.V.; RAZUMOV, M.I.; TIKHOMIROV, A.N.

Effect of a diet with deficient content of nicotinic acid, tryptophan, and protein on nicotinic acid metabolism in dogs. Voprosy Pitaniya 12, No.1, 50-9 '53. (MLRA 6:3)
(CA 47 no.14:7050 '53)

1. Nutrition Inst., Acad. Med. Sci. U.S.S.R., Moscow.

YEFREMOV, V. V. and MARSHAK, M. S.

"Adequate Communal and Therapeutic Diets at the Construction Works of the Main Turkmen Canal," Inst. Nutrition, Acad Med Sci USSR, Vop. Pit., 12, No.2, pp 9-15, 1953

Meat can be preserved by treating it with neopantocide (neopantotsid) acc to a suggestion made by Prof D.A.Khristodulo of the Inst of Meat Industry. Neopantocide, which has a strong bactericidal action, was synthesized by V.A.Mikhalev and tested at the Inst. of Nutrition. It preserves meat for 7 days at 22-36°C. This preservative will be used on a large scale in a field test planned for the summer of 1953.

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