NIKULIN, M., inzh.

Universal pneumatic loader and unloader. Mech. transp. 22 no.10:49 O '63. (MIRA 16:12)

NIKULIN, M., insh.

Accomodations and equipment in harbors on the Volga-Baltic Sea Waterway. Rech. transp. 23 no.7:16 Jl '64. (MIRA 17:10)

NIKULIN, M., inzh.

Extend the introduction of innovations in the work of ports.
Rech. transp. 24 no. 10:30-31 '65. (MIRA 18:12)

NIKULIN, M.A., kandidat tekhnicheskikh nauk

The most efficient operation of the primary motor of a diesel locomotive. Sbor. LIIZHT no.145:149-155 '53. (MLRA 8:10)
(Diesel locomotives)

NIKULIN, M.A., kandidat tekhnicheskikh nauk.

Simplified equations for transient electro-mechanical processes in diesel locomotives. Sbor.LIIZHT no.149:108-114 '55. (MLRA 9:6)
(Diesel Locomotives)

GAKKEL', Ye.Ya., doktor tekhn.nauk; NIKULIN, M.A., kand.tekhn.nauk

Electrodynamic braking of a diesel locomotive by using the primary motor. Sbor.LIIZHT no.167:122-130 '59. (MIRA 13:5)
(Railroads--Brakes) (Diesel locomotives)

PHASE I BOOK EXPLOITATION SOV/5518

Gakkel', Yekaterina Yakovlevna, Doctor of Technical Sciences, Vladimir Arsen'yevich Kozhevnikov, Engineer, Boris Georgiyevich Kuznetsov, Engineer, Andrey Vladimirovich Lapin, Candidate of Technical Sciences, Mikhail Andreyevich Nikulin, Candidate of Technical Sciences, and Grigoriy Semenovich Ezrin, Engineer.

Elektricheskiye mashiny i elektrooborudovaniye teplovozov (Electric Machines and the Electrical Equipment of Diesel-Electric Locomotives) Moscow, Transzheldorizdat, 1960. 218 p. 10,000 copies printed.

Ed. (Title page): Ye. Ya. Gakkel'; Ed.: N. M. Khutoryanskiy, Candidate of Technical Sciences; Tech. Ed.: Ye. N. Bobrova.

PURPOSE: This textbook was approved in 1958 by GUUZ (Glavnoye upravleniye uchebnymi zavedeniyami - Main Administration of Schools) of the Ministry of Railroads, for use by students in institutes of railroad transportation.

COVERAGE: The book examines the purpose, arrangement, and operation of the elements of electrical transmission in Diesel-electric (D-E)

Card 1/6

locomotives, and in auxiliary machinery and apparatus. Information on the structure of electrical machines and apparatus and examples of their design are given. The circuits of modern Soviet D-E locomotives including the new TE10 and TE50 locomotives, are described. The circuit of the TE-3 lot-produced D-E locomotive is examined in detailed. Primary materials included in the book come from the texts of courses given by teachers of the Leningradskiy institut inzhenerov zheleznodorozhnogo transporta (Leningrad Institute of Railroad Transportation Engineers), and from the Khar'kovskiy zavod "Elektrotyazhmash" (Khar'kov Heavy Electrical Machinery Plant). Chs.I and VII were written by Ye. Ya. Gakkel'; Ch.II by M. A. Nikulin and Ye. Ya. Gakkel'; Ch.III by A. V. Lapin; Ch.IV by G. S. Ezrin (sec. 7 by V. V. Strekopytov, Engineer); Ch.V by B. G. Kuznetsov (secs. 9 and 10 by Ye. Ya. Gakkel'); and Ch.VI by V. A. Kozhevnikov. The authors thank A. Ye. Alekseyev, Corresponding Member, AS USSR, K. I. Rudaya, Candidate of Technical Sciences, and A. D. Stepanov, Doctor of Technical Sciences, for their advice, and Ye. F. Kholmovskaya and I. F. Pushkarev, Engineers, and A. N. Korotkova, Laboratory Assistant, who helped with the manuscript. There are 29 references, all Soviet.

NIKULIN, M.A., dotsent; SHEGALOV, I.L., inzh.

Efficiency of the operation of the primary motor of a diesel locomotive. (MIRA 15:12)
Trudy LIIZHT no.175:56-65 '61.
(Diesel locomotives)

ACCESSION NR: AR4041525 S/0271/64/000/005/A037/A037

SOURCE: Ref. zh. Avtomatika, telemekhanika i vy*chislitel'naya tekhnika. Svodny*y tom, Abs. 5A224

AUTHOR: Nikulin, M. A.; Shegalov, I. L.

TITLE: Theory and mathematical simulation of optimum control of autonomous power systems

CITED SOURCE: Sb. tr. Leningr. in-t zh.-d. transp., vy*p. 205, 1963, 132-145

TOPIC TAGS: optimum control, power circuit, power system, diesel locomotive, mathematical simulation

TRANSLATION: Considered is the theory and simulation of optimum control and adjustment of power circuit of a diesel locomotive. It is maintained that methods of calculus of variation are unfit for finding the optimum equation of the power circuit of a diesel locomotive inasmuch as solution of the problem to a large degree depends on factors which have random character and, therefore, ap-

Card 1/2

ACCESSION NR: AR4041525

plication of probability methods is expedient. The most universal criterion is considered the average efficiency of entire power circuit of a diesel locomotive during the time of work T for a portion of run. Expression for fuel consumption in relation to average efficiency may be presented in the form:

$$G = a_0 + a_1 \eta_{av} + a_2 \eta_{av}^2 + a_3 \eta_{av}^3 \ldots$$

Coefficients of the equation can be found by graphic or analytic method during solution of equation of motion through run at a given value of the weight of the train and time of motion. During solution of problem, with use of experimental trips, processing of data is conducted by methods of correlation analysis. Optimum value of η_{av} is found from equation $dG/dt = 0$. There are offered mathematical models taking into account the characteristics of a diesel engine, supercharger, fuel and pressure indicators, and also actuating mechanisms which allow us to select optimum conditions for running the train and an optimum method of control of fuel consumption with little expenditure of additional time. Offered method may be applied to any autonomous power systems without essential changes. Four illustrations, Bibliography: 8 references.

SUB CODE: MA, IE ENCL: 00

Card 2/2

NIKULIN, M.A., kand.tekhn.nauk, dotsent; SHEGALOV, I.I., inzh.

Theory and mathematical modeling of optimal control of autonomous power systems. Sbor. trud. LIIZHT no.205:132-145 '63. (MIRA 18:1)

NIKULIN, M. G.

Heart

Electrocardiogram and its significance in the study of the work of the human heart. Fel'd. i akush. No. 3, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Uncl.

L 5386-66 EWT(1)/ETC/EPF(n)-2/EWG(m)/EPA(w)-2 IJP(c) AT
ACC NR: AP5027278 SOURCE CODE: UR/0207/65/000/005/0112/0115

AUTHOR: Nikulin, M. O. (Moscow)

ORG: none

TITLE: On Rayleigh-Taylor instability in Z-pinch

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 5, 1965, 112-115

TOPIC TAGS: plasma instability, stability criterion, plasma pinch, magnetic field

ABSTRACT: The stability of a Z-pinch is theoretically investigated. The plasma is assumed to be in the form of an infinite circular cylinder at zero pressure. A current is assumed to flow along the plasma surface in the z-direction, creating an azimuthal magnetic field. Under the resulting Lorentz force the plasma accelerates towards the axis with a uniform acceleration g. An initial small displacement is assumed to exist at the plasma surface $\xi(r, \varphi, 0) = (\xi_r, \xi_\varphi, \xi_z)$ at the point $(r, \varphi) = r_0 + r_1$. A differential momentum balance of the plasma motion along with the perturbation, under the assumption that these perturbations can be represented by exp(im + ikz), leads to the following pressure balance

Card 1/2

L 5386-66
ACC NR: AP5027278

$$p = p_0 + p_1 \quad \frac{H_0^2}{8\pi} = \frac{B_0^2}{4\pi}\left[1 + \frac{m^2 K_m(kR_0)}{kR_0 K_m'(kR_0)}\right]\frac{\xi_r}{R_0}.$$

Further analysis of the governing equations of motion results in the following instability mode for the zeta pinch

$$\omega^2 = 3g\left\{\frac{1}{2R_0}\left(1 + \frac{2m^2 K_m}{kR_0 K_m'}\right) + \left[\frac{1}{4R_0^2}\left(1 + \frac{2m^2 K_m}{kR_0 K_m'}\right)^2 + \frac{m^2}{R_0^2} + k^2\right]^{1/2}\right\}.$$

This expression is then analyzed in some detail for two cases. Case 1, $k = 0$, $m \neq 0$, leads to the conclusion that the surface of the discharge is unstable for all values of m. Case 2, $m = 0$, $k \neq 0$ shows that the displacement of a particle along the plasma surface corresponds to a Rayleigh-Taylor instability with the instability growth time

$$\frac{1}{\omega} = \frac{t_0}{(6\pi R_0)^{1/2}} < t_0.$$

The author thanks M. L. Levin for his influence and valuable comments on the work.
Orig. art. has: 22 equations.

SUB CODE: EM, ME/ SUBM DATE: 10May65/ ORIG REF: 001/ OTH REF: 007

BC
Card 2/2

ACC NR: AP6018749 SOURCE CODE: UR/0057/66/036/006/1149/1151

AUTHOR: Nikulin, M.G.

ORG: none

TITLE: On the stability of a flexible current-carrying conductor in a longitudinal magnetic field

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 36, no. 6, 1966, 1149-1151

TOPIC TAGS: motion stability, magnetohydrodynamics, magnetic field, electric current, electric conductor

ABSTRACT: The criterion derived by M.A.Leontovich and V.D.Shafranov (Fizika plazmy i problema upravlyaemykh termoyadernykh reaktsiy, t. 1, str. 207, M., 1958) for the stability of a flexible cylindrical current-carrying conductor in a longitudinal magnetic field with respect to smooth sinuous displacements whose amplitudes are small compared with the radius of the conductor is shown to be valid also for the case of smooth sinuous displacements of arbitrary amplitude. Unlike Leontovich and Shafranov, the author employed the scalar potential, rather than the vector potential, to describe the magnetic field. The stability condition is derived for distortion of the conductor into an elliptic helix whose tangent makes a small angle with a line parallel to the axis but whose semi-major and semi-minor axes may be arbitrarily large. The author thanks Professor M.L.Levin for valuable advice. Orig. art. has: 8 formulas.

SUB CODE: 20,09/ SUBM DATE: 22Apr65/ ORIG. REF: 001/ OTH REF: 001

Card 1/1 MLP UDC: 538.4

Kuliev, M.V.

14(10) PHASE I BOOK EXPLOITATION SOV/2276

Prochnost' tsilindricheskikh obolochek; sbornik statey (Strength of Cylindrical Shells; Collection of Articles) Moscow, Oborongiz, 1959. 157 p. Errata slip inserted. 2,400 copies printed.

Ed. (Title page): V.M. Darevskiy, Doctor of Physical and Mathematical Sciences; Ed.: S.I. Bumshteyn, Engineer; Ed. of Publishing House: A.P. Starykh; Tech. Ed.: V.I. Oreshkina; Managing Ed.: A.S. Zaymovskaya, Engineer.

PURPOSE: This book is intended for aircraft jet-engine designers and production engineers.

COVERAGE: This collection of nine articles covers problems of statics and dynamics of cylindrical shells which arise in the calculation of stability of jet-engine cases. Results of new theoretical and experimental investigations are included. No personalities are mentioned. References follow some of the articles.

TABLE OF CONTENTS:

Card 1/6

According to the author the simultaneous action of an axial tensile stress and external pressure has not been thoroughly analyzed. He considers a thin, circular, closed shell under torsion. Other loads produce a momentless stressed state. The expressions of stresses and deformations are given.

In this article, the results of the author's former work are used to simplify the evaluation of the stability of cylindrical shells under the simultaneous action of torsional moments, internal pressure and transverse rim forces. The author describes conditions under which the evaluation of the stability of the shell may be determined by simple formulas. The above analysis is applicalbe to the calculation of combustion chambers of jet engines.

The authors establish basic equations for the determination of stresses, moments and deformations, and then analyze separately cases of the uniform transverse compression, torsion, and torsion with pressure. The established formulas are valid only within the limits of elastic deformations.

Kukudzhanov, S.N. Stability of an Orthotropic Cylindrical Shell Under External Transverse Pressure With Axial Tension and Torsion With Axial Tension 109

In this article, results obtained for an isotropic shell by R.I. Kshnyakin are generalized for orthotropic shells. In order to establish final formulas, the author considers the stability of cylindrical orthotropic shells under outer transverse pressure with axial tension, and the stability of cylindrical orthotropic shells under torsion with axial tension.

Serdyukov, V.V. Stability of Anisotropic Cylindrical Shells Under Certain Loads 118

The author considers the stability of anisotropic cylindrical shells under the action of outer pressure, torsion and simultaneous action of torsion and normal pressure. Stability is studied on the basis of more complete equations than those esta-

blished by Kh.M. Mushtari in his theory of thin shells (1938). The established formulas provide a method for determining critical stresses under simultaneous torsion and normal pressure.

Nikulin, M.V. Influence of Axial Stresses on the Frequency of Natural Vibrations of Cylindrical Shells 131

The author is concerned with natural vibrations of near-cylindrical shells, due to the dynamic action of an unbalanced rotor or to gas-dynamic impulses. In both cases the determination of natural vibrations of the system is important. The influence of axial stresses on the vibration frequency is considered, generally speaking, as independent of pressure. Formulas and graphical representations are given.

Nikulin, M.V. Natural Vibrations of Cylindrical Shells Prestressed by Torsional Moments 146

This article is a continuation of the preceding article. The author reduces three differential equations of vibration to one differentail equation of radial displacement. Thus an

L 9866-66 EWT(d)/FSS-2/EWT(m)/EWP(w)/EWP(t)/EWP(c)/EWP(v)/T/EWP(k)/EWP(k)/EWA(h)
ACC NR: AT6001262 ETC(m) WW/EM/GS SOURCE CODE: UR/0000/65/000/000/0052/0128

AUTHOR: Nikulin, M. V.

ORG: none

TITLE: Free vibrations of smooth or structurally anisotropic cylindrical shells in the presence of static loads

SOURCE: Prochnost' i dinamika aviatsionnykh dvigateley (Durability and dynamics of aircraft engines); sbornik statey, no. 2. Moscow, Izd-vo "Mashinostroyeniye", 1965, 52-128

TOPIC TAGS: vibration analysis, cylindrical shell, combustion instability, rocket, vibration

ABSTRACT: Vibrations of jet or rocket engine airframes or structural components can be excited by fluctuations of the air intake, the fuel flow rate, or by oscillatory combustion. The latter may be particularly dangerous in ramjet engines. When the frequency characteristics of the engine component and of the impressed oscillations are known, dynamic loads can be calculated and the dangerous resonance conditions can be assessed. Therefore, in the present article, theoretical and experimental methods were developed for determining the natural frequencies of smooth or ring- or stringer-stiffened cylindrical shells. Such shells can be considered as models for simulating combustion chambers, diffusors, or nozzles. In the analysis, formulas were developed

Card 1/2 UDC: 534.1-16.014.1:62-215:621.9-434:531.?

L 9865-66

ACC NR: AT6001262

for calculating the effect of axial and torsional loads or normal pressure either individually or in various combinations. The experimental assembly permitted testing under axial loads, torque, and external or internal pressure. Excitation was carried out electromagnetically and the wave patterns were obtained by wetting the shell surface with kerosine containing a black dye. As a result, several plots of natural frequencies vs. individual or combined axial and torsional loads and pressure were obtained for various shells. The results indicate that the frequencies calculated by the derived formulas are in good agreement with experimental data. Among the static loads, the normal pressure was found to have the strongest effect, the torsional load, a smaller effect, and the axial load the smallest effect on the natural frequencies. Orig. art. has: 45 figures and 98 formulas. [PV]

SUB CODE: 01, 20/ SUBM DATE: 17Jul65/ ORIG REF: 016/ OTH REF: 012/ ATD PRESS: 4165

Card 2/2

NIKULIN, N.

Multiple-purpose brigades in repair and preparation shifts.
Mast. ugl. 3 no.12:14-15 D '54. (MLRA 8:6)

1. Nachal'nik otdela organizatsii truda i zarplaty shakhty "Zapadnaya-Kapital'naya" kombinata Rostovugol'
(Coal mines and mining)

S/044/62/000/002/064/092
C111/C222

AUTHOR: Nikulin, N. A.

TITLE: On the question of the approximate calculation of real roots of algebraic equations

PERIODICAL: Referativnyy zhurnal, Matematika, no. 2, 1962, 43, abstract 2V230. ("Izv. Krymsk. ped. in-ta", 1957(1958), 20, 251-253

TEXT: An approximation method for determining real roots of algebraic equations is suggested, the basis of which is the following. Every equation with (k+1) terms can be written in the form

$$\sum_{i=1}^{k-1} a_i x^{\alpha_i} + bx^{\beta} = c, \qquad (1)$$

where bx^{β} is the term with the smallest exponent, c is the free term and $a_i x^{\alpha_i}$ are the remaining terms of the equation with the signs of the coefficients being given. It is assumed that $\alpha_1 > \alpha_2 > \alpha_3 > \ldots$

Card 1/3

On the question of the . . .

. . . > α_{k-1}. Let

$$a_i x^{\alpha_i} = cu_i \quad (i = 1,2,\ldots, k-1) \qquad (2)$$

$$bx^{\beta} = cv \qquad (3)$$

where u_i has the same sign as a_i, and v has the same sign as b. Then (1) becomes

$$\sum_{i=1}^{k-1} u_i + v = 1 . \qquad (4)$$

One finds from (2) and (3)

$U_i(v) = \log u_i = p_i \log v + q_i$ $(i = 1,2,\ldots, k-1)$,

where

Card 2/3

[illegible]/005/004/072
[illegible]

AUTHOR: Nikulin, N.A.

TITLE: [illegible] theory of the mechanisms for constructing cissoidal curves

PERIODICAL: Referativnyy zhurnal, Matematika, no. 5, 1962, 66, abstract 5A420. ("Izv. Krymsk. ped. in-ta", 1961, 35, 235-247)

TEXT: The author considers a cissoidal transformation (cf. Ref. 5A419) in which the fixed axis line is a straight line. He also gives mechanisms that transform a circle into the Nikomedes conchoid and ellipses and hyperbolae into cissoidal curves of 3-rd order.

Abstracter's note : Complete translation.

Card 1/1

SOV/130-58-12-7/21

AUTHORS: Sokolov, I.A., Vasil'yev, A.N. and Nikulin, N.G., Engineers

TITLE: Deoxidation of Low Alloy Steel Entirely in the Ladle (Raskisleniye nizkolegirovannoy stali polnost'yu v kovshe)

PERIODICAL: Metallurg, Nr 12, 1958, pp 14 - 17 (USSR)

ABSTRACT: The authors describe 43 experimental heats of types 09G2 and 09G2D low-alloy steels made to investigate the possibility of carrying out all the deoxidation in the ladle. The deoxidisers in lumps up to 50 mm across were added from bunkers; first silicomanganese (20-25 kg/tonne steel) and ferromanganese (2-2.5 kg/tonne), then ferrotitanium (1.2-1.5 kg/tonne); finally aluminium (0.9-1 kg/tonne) was added manually. The additions were made smoothly and were completed before slagging started. In a few heats some metallic manganese was added. The metal was teemed via a tundish. Samples were taken during melting and pouring. The authors tabulate (Table 1) and discuss average melting conditions, compositions of samples and metal temperatures for the experimental and for 14 ordinary heats. The duration of the former was 8 hr 40 min and of the latter

Card 1/3

Deoxidation of Low Alloy Steel Entirely in the Ladle

9 hours 24 min. Mechanical tests on samples taken from rolled products of the experimental and ordinary heats show that the properties are practically the same and superior to standard specifications (Table 2). The authors give comparative figures for consumptions of deoxidizers and the resulting cost changes per tonne of steel (Table 3). They quote a figure of 45.55 roubles conversion cost saving per tonne. But an editorial note points out that most of the saving is due to the substitution of ferro-manganese for metallic manganese, which is not related to the method by which deoxidation is effected, and that the real savings which can be credited to deoxidation in the ladle are the reduction in heat time and silicon and

Deoxidation of Low Alloy Steel Entirely in the Ladle

manganese losses. The ladle deoxidation method was adopted at the Kuznetskiy metallurgical combine at the end of 1957.
There are 3 tables

ASSOCIATION: Kuznetskiy metallurgicheskiy kombinat (Kuznetsk metallurgical combine)

Card 3/3

MIKHAYLETS, N.S., kand.tekhn.nauk; NIKULIN, N.G., inzh.

Natural aging of open-hearth rail steel. Stal' 23 no.7:648-650 Jl '63. (MIRA 16:9)

1. Kuznetskiy metallurgicheskiy kombinat.
(Steel—Hardening) (Railroads—Rails—Testing)

NIKULIN, N.G.

Electrocardiography and its significance in the study of cardiac function in man. Fel'dsher & akush. no.3:12-16 Mar 1953. (CIML 24:3)

NIKULIN, M.G.

Electrocardiography in more important diseases. Fel'dsher & akush. no.4:25-29 Apr 1953. (CLML 24:4)

1. Moscow.

BIKULIN, Nikolay Georgiyevich

[Principles and technique of electrocardiography; a manual for nurses employed in electrocardiographic sections] Osnovy i tekhnika elektrokardiografii; v pomoshch' sestre-laborantke elektrokardiograficheskogo kabineta. Moskva, Medgiz, 1956. 203 p. (MIRA 9:10)
(ELECTROCARDIOGRAPHY)

MIKULIN, M.G. (Moskva)

Work of the nurse as electrocardiographic technician. Med.sestra 15 no.5:17-23 My '56. (MLRA 9:8)
(ELECTROCARDIOGRAPHY)

MIKHAYLETS, Nikolay Semenovich; GORELKINA, Aleksandra Yevseyevna; KOSHKIN, Vladimir Andreyevich; MIKULIN, Nikolay Grigor'yevich; DARUSHIN, Ratmir Ivanovich; SAKHAROVA, Nina Alekseyevna; LYMAR', Adol'f Ivanovich; LOSKUTOVA, Lyudviga Vladimirovna; RUDNEVA, Raisa Semenovna

[Manufacture of rails at the Kuznetsk Metallurgical Combine] Proizvodstvo rel'sov na Kuznetskom metallurgicheskom kombinate. Moskva, Izd-vo "Metallurgiia," 1964. 222p. (MIRA 17:6)

[illegible], [illegible]

[illegible], [illegible] --"Principal Methods of [illegible] the [illegible] in [illegible] Rotation (Based on the Example of the Kolkhozes of Stalingrad Oblast)." (Dissertation for Degrees in Science and Engineering Defended at USSR Higher Educational Institutions) Min of Higher Education USSR, Stalingrad Agricultural Inst, Stalingrad, [illegible]

SC: Knizhnaya Letopis', No. [illegible], 1[illegible] Jan 55

* For Degree of Candidate in Agricultural Sciences

NIKULIN, Nikolay Kuz'mich; KUKLIN, P.V., red.; BURYAKOV, K.S., tekhn.red.

[The undivided funds of collective farms and their utilization] Nedelimye fondy kolkhozov i ikh ispol'zovanie. Stalingrad, Stalingradskoe knizhnoe izd-vo, 1960. 46 p. (MIRA 14:12)

(Collective farms--Finance)

NIKOLIN, N. S., Engineer

Moscow Tool Plant (-1944-)

"The design Technology of Symmetrical Profile Templets." Stanki I Instrument Vol. 15, No. 10-11, 1944

BR 52059019

MIKULIN, M. S.

"Investigation of the Precision of Manufacturing Micrometic Pairs of Screw Mechanisms." Sub 22 Jun 51, Moscow Automotive Mechanics Inst

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55

Nikulin, N.S.

3-58-3-16/32

AUTHOR: Annenkova, Ye.G., Nikulin, N.S., Shashkin, A.S., Shuvalov Yu.A., Dotsents and Candidates of Technical Sciences

TITLE: Ways of Improving the Teaching Process (Puti sovershenstvovaniya uchebnogo protsessa) Some Considerations on the Training Course in Metal-Cutting Machine Tools (Nekotoryye soobrazheniya o kurse metallorezhushchikh stankov)

PERIODICAL: Vestnik Vysshey Shkoly, 1958, Nr 3, pp 63 - 65 (USSR)

ABSTRACT: For the purpose of rationalizing the teaching process, the above named authors have made the attempt to utilize a maximum of generalizations in lectures on metal-cutting machine tools. The trial proved successful. New, methodical and scientific principles for preparing lectures permit the study of machine tools according to a unified plan. The structural analysis - the basis of a course - defines the structure of every lecture. Visual aids are not excluded, but they serve only as auxiliary material for the lecturer. Principally the lecture is built on maximum generalizations. These are: kinematical shaping of surfaces, the theory of kinematic chains, schematizing the work of mechanisms, explaining the hydraulic outfit of machine tools by means of structural sweep, and the appli-

Card 1/2

3-58-3-16/32

Ways of Improving the Teaching Process. Some Considerations on the Training Course in Metal-Cutting Machine Tools

cation of structural kinematic schemes.

ASSOCIATION: Moskovskiy poligraficheskiy institut (Moscow Polygraphic Institute) Moskovskiy avtomekhanicheskiy institut (Moscow Automechanic Institute) Moskovskiy vecherniy mashinostroitel'nyy institut (Moscow Evening Machine-Building Institute)

AVAILABLE: Library of Congress

Card 2/2

NIKULIN, M.S.; SEVERNYY, A.B.; STEPANOV, V.Ye.

Measuring weak magnetic fields and radial velocity on the solar surface. Astron. tsir. no.183:9-13 Jl '57. (MIRA 11:3)

1. Krymskaya astrofizicheskaya observatoriya.
(Photoelectric measurements) (Magnetic fields) (Sun)

81163

SOV/35-59-8-6359

3.1210

Translation from: Referativnyy zhurnal, Astronomiya i Geodeziya, 1959, Nr 8, p 38

AUTHORS: Nikulin, N.S., Severnyy, A.B., Stepanov, V.Ye.

TITLE: Solar Magnetograph of the Crimean Astrophysical Observatory

PERIODICAL: Izv. Krymsk. astrofiz. observ, 1958, Vol 19, pp 3 - 19 (Engl. summary)

ABSTRACT: A device of the Crimean Astrophysical Observatory of AS USSR, designed for measuring weak magnetic fields is described. The device is based on the design of Babcock magnetograph (RZhAstr, 1955, Nr 3, 1072). The measurement method is based on the alternate suppression of the components of magnetically split absorption lines. It is shown, on the example of the line 5250.218, that the fluctuation of the flux amounts to 0.8% when this line is split in a field of ~10 gauss. A theoretical analysis of the capacities of FEU VEI photomultipliers, employed jointly with the tower telescope of the Crimean Astrophysical Observatory, yields ~ 0.2 gauss as a limiting magnitude of

Card 1/3

SOV/35-59-8-6359

Solar Magnetograph of the Crimean Astrophysical Observatory

measurable fields. A 10-m spectrograph with a grid producing the light concentration of the 5th order in the green region (dispersion is 0.2 A/mm) is used in the design of the magnetograph. Two slits, 0.04 A wide each, separated from each other by 0.06 A are located in the spectrograph focal plane. In front of the entrance slit of the spectrograph, there is an electronic optical modulator, a plate of ammonium hydrophosphate cut out perpendicular to the crystal axis. When the voltage ($\sim$ 4.6 kv) is fed to the plate, it becomes double-refracting; if the voltage is varied, one can modulate by the circularly polarized signal. In this way, a constant flux Φ with the modulated addition $\delta\Phi$ hits the FEU photocathode through each of the exit slits. Signals from two FEU are fed into a differential amplifier employing a 6N2P tube; the constant components of the anode voltage are mutually compensated in the amplifier, and the modulated (at a frequency of 124 cps) signal is doubled. Then the signal is amplified in narrow-band amplifier (of the 28-IM type) and, after demodulation, is recorded by an EPP-09 self-recorder. The modulation is performed by an electromagnetic relay which is fed through a phase-inverter from a frequency modulation pickup and which is connected, through an RC filter, to the

Card 2/3

SOV/35-59-8-6359

Solar Magnetograph of the Crimean Astrophysical Observatory

control grids of a differential cathode follower. In distinction from the Babcock magnetograph, the compensator of radial velocities functions automatically. When the lines in the exit slits are displaced, a difference in voltage arises between the FEU anodes. This difference is amplified by the amplifier and gives rise to the rotation of a line-shifter which brings the line back into a symmetric position relative to the slits. The method of adjustment of the device is described. The authors show the reproducibility of recording, the recording at different time constants and different slit heights. The operational slit height is 10 to 30''. An example is presented of the chart of magnetic intensity isolines for a portion of the solar surface.

G.M. Nikol'skiy

3.1540 (1559)

S/035/61/000/009/028/036
A001/A101

AUTHOR: Nikulin, N.S.

TITLE: Some improvements of the magnetograph of the Crimean Astrophysical Observatory

PERIODICAL: Referativnyy zhurnal. Astronomiya i Geodeziya, no. 9, 1961, 96, abstract 9A502 ("Izv. Krymsk. astrofiz. observ.", 1960, v. 22, 3-8, Engl. summary)

TEXT: The author describes some improvements made in the design of a photoelectrical magnetograph intended for recording weak magnetic fields on the Sun. The employment of a double output slit (see Figure) makes it possible to measure the strength of magnetic field from the difference effect of modulation depth in the wings of a Fraunhofer line being studied (Babcock's method), to judge on brightness in the registration spot being measured from the intensity of the central part of the line, and to register radial velocities (and turbulence in the spectrograph, Reviewer) from the magnitude of unbalance voltage on [illegible] (FEU) compensated by shifting the line in the slit by means of a plane-parallel plate. The improved radio circuit of the magnetograph is presented. Photoelectronic multipliers with better parameters are used in the magnetograph.

Card 1/2

YESAULOV, N.P.; NIKULIN, N.S.; SIDOROV, V.I.; STEPANYAN, N.N.; TSUGULIYEV, A.I.

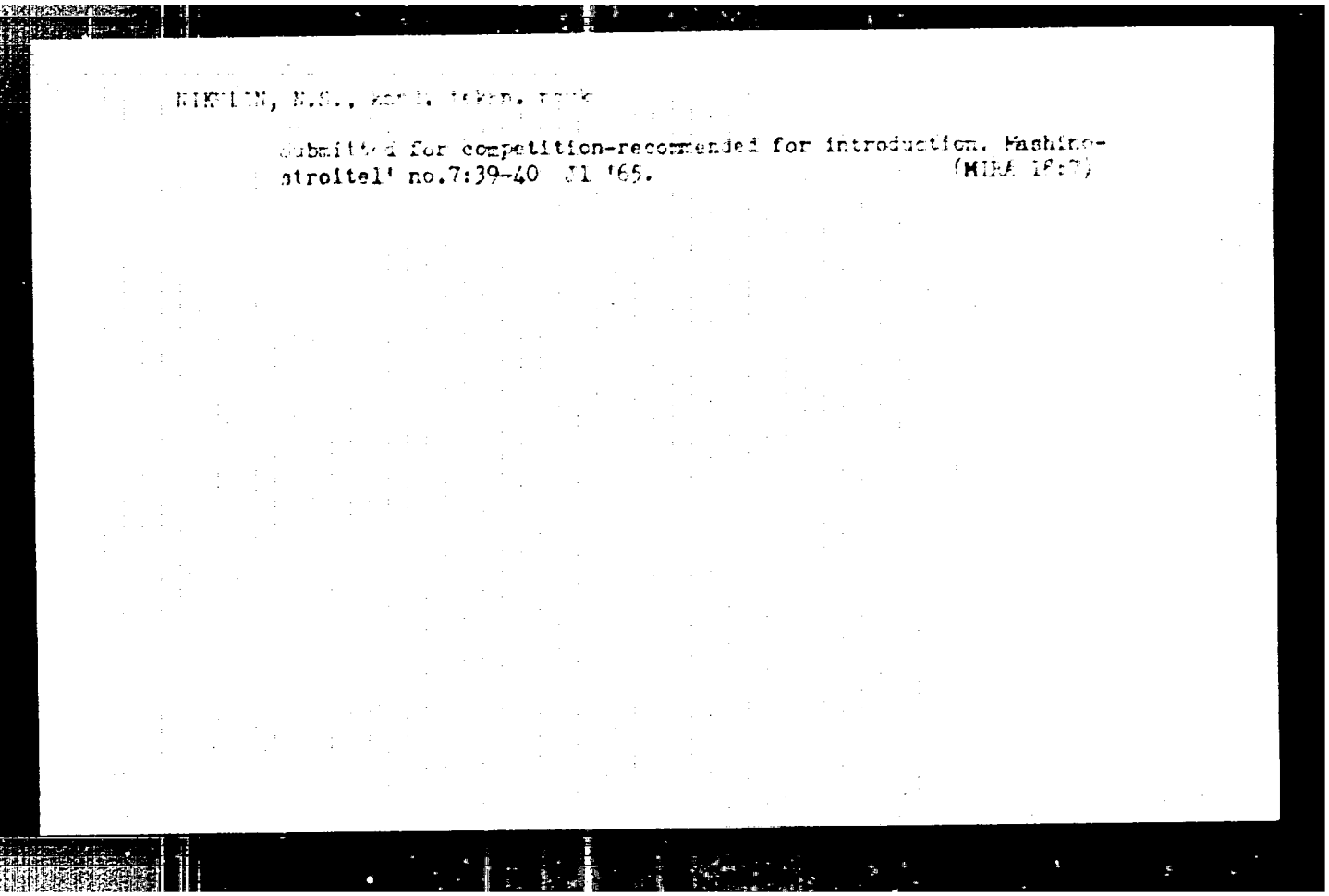
Observations of the thermal radiation of the moon. Izv. Krym. astrofiz. obser. 30:273-283 '63. (MIRA 17:1)

NIKULIN, N.S.

New details in the circuit of the magnetograph of the Crimean Astrophysical Observatory of the Academy of Sciences of the U. S.S.R. Izv. Krym. astrofiz. obser. 31:209-215 '64.
(MIRA 17:9)

NIKULIN, N.S., kand.tekhn.nauk

New methods for machining hard materials and alloys(according to the materials of the all-Union competition). Vest.mashinostr. 44 no.7:87-89 Jl '64. (MIRA 17:9)



MIKLIN, M.G., kand. tekhn. nauk

Submitted for competition-recommended for introduction. Mashino-stroitel' no.7:39-40 Jl '65. (MIRA 18:7)

L 06355-67 EWT(1) GW
ACC NR: AR6013397

SOURCE CODE: UR/0269/65/000/011/0046/0047

AUTHORS: Bruns, A. V.; Nikulin, N. S.; Severnyy, A. B.

TITLE: New method for simultaneous recording of the transverse magnetic field parameters

SOURCE: Ref. zh. Astronomiya, Abs. 11.51.412

REF SOURCE: Izv. Krymsk. astrofiz. observ., v. 33, 1965, 80-85

TOPIC TAGS: solar magnetic field, transverse magnetic field, magnetic field measurement, analog computer

ABSTRACT: A method is described which allows the simultaneous recording of both components of the transverse field and the direct recording of the transverse vibration azimuth χ on a strip chart by reprocessing the signals. This is accomplished by placing in front of the entrance slit of the spectrograph a plane polarization analyzer made in the following manner. A compound plate of two quarter-wave plates whose axes cross at 45° is placed in front of an ordinary circular polarization analyzer consisting of an ammonium phosphate crystal and a polaroid. The plate mount is the armature of a polarized relay to which is supplied a 20-hz voltage from an audio oscillator. Thus the angle between the extraordinary axis of the quarter-wave plate and the principal axis of the crystal alternately takes the values 0° or 45°, which allows the simultaneous recording of both signals. To calculate the vibration

UDC: 522.61

Effect of chemicals, oil, and water on the mechanical and dielectric properties of domestic chlorovinyl insulation. N. Kon[illegible]. *Vestnik Elektroprom.* 17, No. 10 11, 10 12(1946). The effect of concd. HCl, concd. H_2SO_4, satd. KOH soln., satd. NaCl soln., benzene, benzine, and their vapors, kerosene, mineral oils, transformer oil, lubricating oil, and tap H_2O on vinyl chloride plastics used for insulation was tested periodically over a period up to 552 hrs. The tensile strength was most affected by benzene, less so by benzine and kerosene, and not noticeably by the other reagents. Quickest to act was benzene; its max. effect was reached after 24 hrs. The max. effect of benzene vapor was reached after 96 hrs. The dielec. properties were affected mostly by benzene, benzine, and their vapors and to some extent by HCl. The other reagents had no noticeable effect. M. Hosch

METALLURGICAL LITERATURE CLASSIFICATION

NIKULIN, N. V.

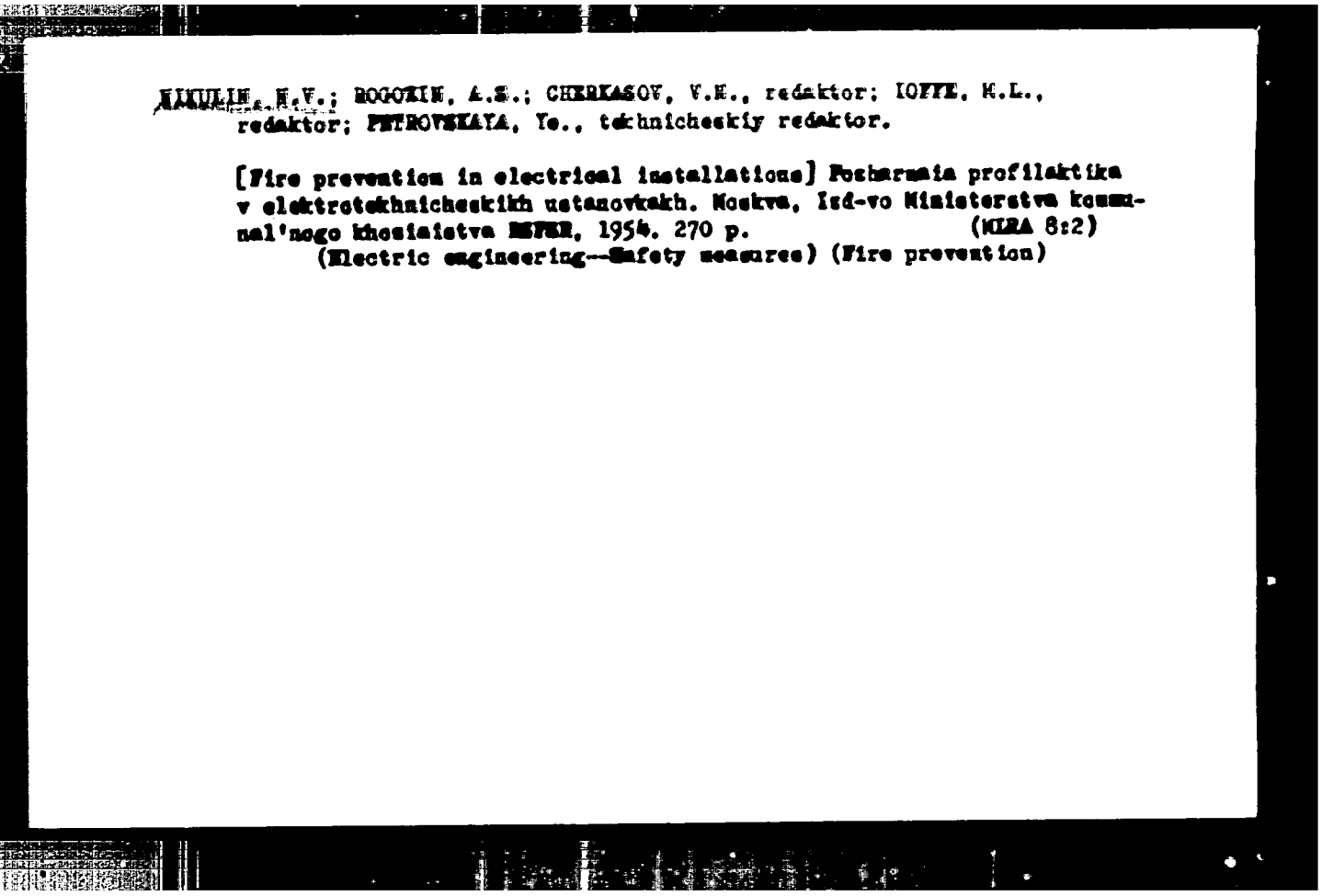
The Manufacture of Porcelain Insulators (Proizvodstvo farforovykh isolyatorov) Gosenergoizdat, 148 pp, 1951.

Book W-22517, 29 Apr 52

GUSEV, S.A., insh.; ZHUKHOVITSKIY, B.Ya., kand.tekhn.nauk; ZARIN, D.D., kand.tekhn.nauk; IVANOV-SMOLENSKIY, A.V., kand.tekhn.nauk; KNYAZEVSKIY, B.A., kand.tekhn.nauk; KUZNETSOV, A.I., insh.; KOKIN, V.L., kand.tekhn.nauk; KORYTIN, A.A., insh.; LASHKOV, F.F., insh.; L'VOV, Ye.L., kand.tekhn.nauk; NEKLEPAYEVA, L.P., kand.tekhn.nauk; NEKRASOVA, N.N., kand.tekhn.nauk; NIKULIN, N.V., kand.tekhn.nauk; POLEVOY, V.A., kand.tekhnicheskikh nauk; RAZEVIG, D.V., kand.tekhn.nauk; ROZANOV, G.N., kand.tekhn. nauk; RUMSHINSKIY, L.Z., kand.fiz.-matem.nauk; SVISTOV, N.K., kand.tekhn.nauk; SIROTINSKIY, Ye.L., kand.tekhn.nauk; SOKOLOV, M.M., kand.tekhn.nauk; TALITSKIY, A.V., prof.; TORNACH, V.V., insh.; FEDOROV, A.A., kand.tekhn.nauk; GRUDINSKIY, P.G., prof.; FRYTKOV, V.T., kand.tekhn.nauk; CHILIKIN, M.G., prof., glavnyy red.; GOLOVAN, A.T., prof.; red.; PETROV, G.N., prof., red.; FEDOSEYEV, A.M., prof., red.; ANTIK, I.V., red.; SKVORTSOV, I.M., tekhn.red.

[Handbook for electric engineering] Elektrotekhnicheskii spravochnik. Moskva, Gos.energ.izd-vo, 1952. 640 p. (MIRA 13:2)

1. Prepodavateli Moskovskogo energeticheskogo instituta imeni V.M. Molotova (for all except Antik, Skvortsov).
(Electric engineering)



KIKULIN, N.V.; BOGOYAVLENSKIY, A.S.; CHERKASOV, V.N., redaktor; IOFFE, M.L., redaktor; PETROVSKAYA, Ye., tekhnicheskiy redaktor.

[Fire prevention in electrical installations] Pozharnaia profilaktika v elektrotekhnicheskikh ustanovkakh. Moskva, Izd-vo Ministerstva kommunal'nogo khoziaistva RSFSR, 1954. 270 p. (MLRA 8:2)
(Electric engineering--Safety measures) (Fire prevention)

NIKULIN, N.V.

PHASE I TREASURE ISLAND BIBLIOGRAPHICAL REPORT AID 691 - X

Book Call No.: AF646811

Authors: DROZDOV, N. G, NIKULIN, N. V., [illegible], L. I., YAMANOV, S.A.

Full Title: ELECTRICAL ENGINEERING MATERIALS

Transliterated Title: Elektronatieralovedeniye

PUBLISHING DATA

Originating agency: None

Publishing House: State Power Engineering Publishing House

Date: 1954 No. pp.: 397 No. of copies: 10,000

Editorial Staff

Editor: Drozdov, N. G., Dr. Techn. Science, Professor

PURPOSE AND EVALUATION: The book is designed as a textbook for tekhnicums and schools of electrical engineering and the electrical industry bur may also be used as a reference book by engineers. The book contains basic information on materials used in the electrical industry dielectrics, conductors and magnetic materials giving their properties and testing. The information is presented in great detail. Altogether the book has a considerable value for study of the materials used by Soviet industry.

NOTE: See card for DROZDOV, N. G. for pages 2-5 of abstract.

KIKULIN, Nikolay Vasil'yevich; TIMOKHINA, V.I., red.; BORUNOV, N.I., tekhn. red.

[Manufacture of porcelain insulators] Proizvodstvo farforovykh izoliatorov. Moskva, Gos. energ. izd-vo, 1958. 239 p.(MIRA 11:9)
(Electric insulators and insulation)

DROZDOV, Nikolay Gavrilovich; NIKULIN, Nikolay Vasil'yevich; PROKOF'IEVA, M.N., red.; DOBROMOVA, L.A., tekhn.red.

[Electric materials] Elektromaterialovedenie. Moskva, Vyss. uchebno-pedagog.izd-vo Proftekhizdat, 1960. 285 p. (MIRA 14:2)

(Electric engineering--Materials)

NIKULIN, Nikolay Vasil'yevich; MARCHENKO, M.L., nauchnyy red.; SOROKINA, M.I., red.; DORODNOVA, L.A., tekhn. red.

[Handbook for beginner electricians on electrical materials and products] Spravochnik molodogo elektrika po elektrotekhnicheskim materialam i izdeliiam. Moskva, Proftekhizdat, 1962. 277 p. (MIRA 16:5)
(Electric engineering—Materials)
(Electricians—Handbooks, manuals, etc.)

BACHELIS, D.S.; GEL'MAN, R.Ye.; DUTKIN, G.S.; KULESHOV, Ya.G.; MIKULIN, N.V.; RIVKIN, G.A.; SADKIN, P.I.; SMIRNOV, A.D.; SOLOV'YEV, P.F.; KHALIZEV, G.P.; SMIRNOV, A.D., inzh., red.; SOLOV'YEV, P.F., red.; BORUNOV, N.N., tekhn. red.

[Manual for electricians in two parts] Spravochnik elektrotekhnika v dvukh tomakh. Pod obshchei red. A.D.Smirnova. Moskva, Gosenergoizdat. Vol.1. 1962. 479 p. (MIRA 15:5)
(Electric engineering--Handbooks, manuals, etc.)

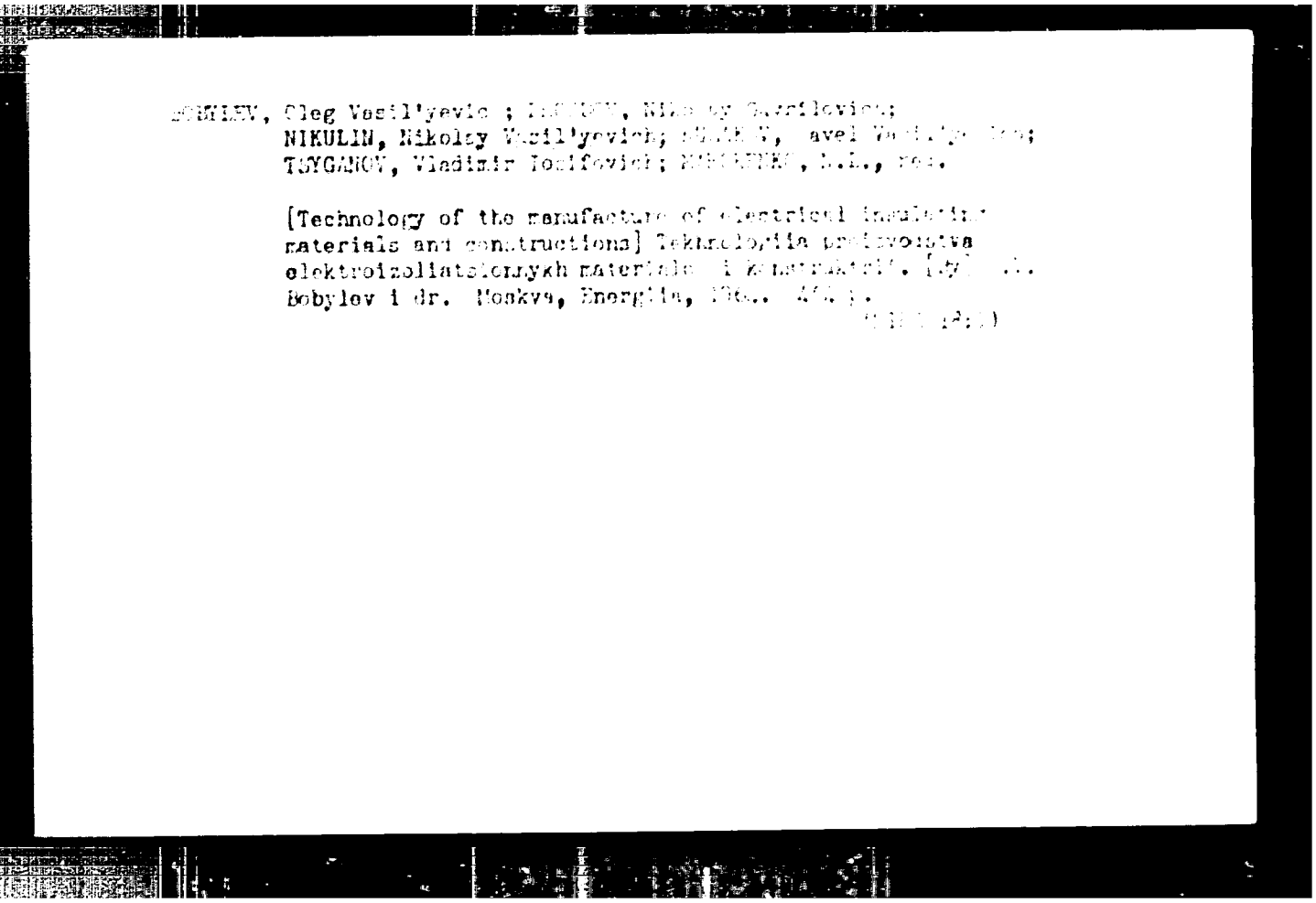
BACHURIN, N.I., inzh.; VOLKOV, S.S., inzh.; GORODETSKIY, S.S., prof., doktor tekhn. nauk; GUSEV, S.A., dotsent, kand. tekhn. nauk; ZHUKHOVITSKIY, B.Ya., dots., kand. tekhn. nauk; IVANOV-SMOLENSKIY, A.V., dots., kand. tekhn. nauk; KIFER, I.I., dots., kand. tekhn.nauk; KORYTIN, A.A., starshiy prepodavatel'; KULIKOV, F.V., dots.; NIKULIN, N.V., dots., kand. tekhn. nauk; PODMAR'KOV, A.N., dots.; PRIVEZENTSEV, V.A., prof., doktor tekhn. nauk; RUBINSKIY, L.A., dots., kand. fiz.-mat. nauk; SOBOLEV, V.D., dots., kand. tekhn.nauk; UKLAPOVA, M.N., inzh.; TIKHOMIROV, P.M., dots., kand. tekhn. nauk; FEDOROV, A.A., dots., kand. tekhn. nauk; CHUNIKHIN, A.A., dots., kand. tekhn. nauk; CHILIKIN, M.G., prof., glav. red.; GOLOVAN, A.T., prof., red.; GRUDINSKIY, P.G., prof., red.; PETROV, G.N., prof., doktor tekhn. nauk, red.; FEDOSEYEV, A.M., prof., red.; ANTIK, I.V., inzh., red.; BORUNOV, N.I., tekhn. red.

[Electrical engineering handbook]Elektrotekhnicheskii spravochnik. 3., perer. i dop. izd. Pod obshchei red. A.T. Golovana i dr. Moskva, Gosenergoizdat. Vol.1. 1962. 732 p. (MIRA 15:10)

1. Moskovskiy energeticheskiy institut (for Golovan, Grudinskiy, Petrov, Fedoseyev, Chilikin, Antik).
(Electric engineering—Handbooks, manuals, etc.)

DMITRIEV, Nikolay Gavrilovich; NIKULIN, Nikolay Vasil'yevich; SOROKINA, M.I., red.; DORODNOVA, L.A., tekhn. red.

[Study of electric engineering materials] Elektromaterialovedenie. 2., perer. i dop. izd. Moskva, Proftekhizdat, 1963. 349 p. (MIRA 16:11)
(Electric engineering--Materials)



[illegible]MILEV, Oleg Vasil'yevich ; [illegible], Nikolay Gavrilovich;
NIKULIN, Nikolay Vasil'yevich; [illegible], Pavel Vasil'yevich;
TSYGANOV, Vladimir Iosifovich; [illegible], L.I., red.

[Technology of the manufacture of electrical insulating materials and constructions] Tekhnologiia proizvodstva elektroizoliatsionnykh materialov i konstruktsii. [By] O.V. [illegible] i dr. Moskva, Energiia, 196[illegible]. 4[illegible] p.
[illegible] (MIRA 18:1)

NEVYAZHSKAYA, Ye.A.; REYFER, M.S.; NIKULIN, N.Ya.; CHUGUNOV, A.N.; KAMIL'TSEV, G.A.

Discover and utilize hidden potentialities of gas producer plants. Ogneupory 20 no.8:375-379 '55. (MLRA 9:3)

1. Uralenergochermet (for Nevyazhskaya, reyfer, nikulin); 2. V. Saldinskiy metallurgicheskiy zavod (for Chugunov); 3. M. Saldinskiy metallurgicheskiy zavod (for Kamil'tsev).
(Gas producers)

NIKULIN, N. Ya.

AUTHORS: Lesnyak, N.F., Turchaninov, V.S., Buzdyrin, V.A., Valenburger, F.G., Nevyazhskaya, Ye.A., Nikulin, N.Ya. 131-12-2/9

TITLE: Thermal Engineering (Teplotekhnika). Increased Efficiency of a Gas Plant (Povysheniye proizvoditel'nosti gazostantsii)

PERIODICAL: Ogneupory, 1957, Nr 12, pp. 533-537 (USSR)

ABSTRACT: In the gas plant of the department for refractories of the Nizhniy Tagil Metallurgical Combine there was a shortage of gas. In 1953 it was assumed that the gas plant had reached the limit of its efficiency and that it would have to be enlarged. From 1954 onwards, however, the following work was carried out in order to improve the efficiency of the gas plant: 1.) By enlarging the coal shaft and the bucket conveyor, fuel conveyance was increased from 100 to 200 t/24 hours and an additional bunker for 60 m³ was erected; 2.) A magnetic separator was mounted for the purpose of catching parts of iron in the fuel; 3.) The number of revolutions of the feed drum was increased from 60 to 120 per hour; 4.) The blast pressure was increased from 250 to 400 mm torr; 5.) Three additional air blast aggregates were established, so that a reserve was available; 6.) An additional air-feed pipe of 700 mm ∅ was mounted (figures 1 and 2); 7.) Besides, the scrubber-, water cooling- and gas blast

Card 1/2

Pyrometric Engineering. Increased Efficiency of a Gas Works 131-12-2/9

plants were enlarged. Fig. 3 shows the scheme of the new gas purification plant. The data comparing gasification before and after reconstruction are given in a table. In this way it was possible to increase the efficiency of the gas plant o the 1 - 1 1/2 fold, and expenses amounted to only 10% of those which would have been necessary for the intended extension. There are 3 figures and 1 table.

ASSOCIATION: Nizhniy Tagil Metallurgical Combine (N. -Tagil'skiy metallurgicheskiy kombinat)
Uralenergochermet (Uralenergochermet)

AVAILABLE: Library of Congress

Card 2/2

Nikulin, N.Ya.

NEVYAZHSKAYA, Ye.A.; NIKULIN, N.Ya.; DIK, K.G.; SATANOVSKIY, P.L.

Improvement of gasification indices in gas producing plants. Ogneupory 22 no.4:165-169 '57. (MLRA 10:6)

1. Uralenergochermet (for Nevyazhskaya and Nikulin). 2. Pervo-ural'skiy dinasovyy zavod (for Dik and Satanovskiy).
(Coal gasification) (Gas producers)

KEVYAKHSKAYA, Ye.A.; NIKULIN, N.Ya.

Utilization of the sensible heat of generator gas. Gaz. prom. no.5: 19-21 My '58. (MIRA 11:5)

(Waste heat) (Gas)

NEVYAZHSKAYA, Ye.A.; KRETS, M.A.; NIKULIN, N.Ya.

Industrial gasification of coal of the Ekibastus deposit. Gaz.prom. 4 no.8:14-16 Ag '59. (MIRA 12:11)
(Ekibastus Basin--Coal gasification)

NEVYAZHSKAYA, Ye.A.; NIKULIN, M.Ya.; POLYAKOV, M.T.

Increasing the productivity of peat-gasifying gas generators.
Gas.prom. 5 no.1:23-24 Ja '60. (MIRA 13:4)
(Gas producers)

AID P - 1439

Subject : USSR/Meteorology and Hydrology

Card 1/1 Pub. 71-a - 13/23

Author : Nikulin, P. I.

Title : Support of the valuable initiative of the schools

Periodical : Met. i gidro., 1, 44, Ja - F 1955

Abstract : The author emphasizes the value of the instructional work done by teachers of geography in making their students do the regular and systematic work at existing meteorological stations and even organizing their own stations in the schools. He deplores the absence of support by the authorities. His statements are upheld by the editors of the periodical.

Institution: Main Administration of the Hydrometeorological Service at the Council of Ministers of the USSR

Submitted : No date

NIKULIN, P.I.

Hydrometeorological conditions in the Kuybyshev Reservoir. Rech. transp. 17 no.4:26-27 Ap '57. (MIRA 11:4)

1. Direktor Komsomol'skoy gidrometeorologicheskoy observatorii.
(Kuybyshev Reservoir--Hydrometeorology)

AUTHOR: Nikulin, P.I. SOV-26-58-5-20/51

TITLE: On the Break-Through of Lake Iskander-Kul' (O proryve ozera Iskander-Kul')

PERIODICAL: Priroda, 1958, Nr 5, pp 85-88 (USSR)

ABSTRACT: Since the end of the 19th century, Lake Iskander-Kul' in the West of the Tadzhik SSR between the Gissarskiy and Zeravshanskiy Mountain Ranges has been of interest to individuals and learned societies. It is situated at an altitude of 2,176 m and surrounded by mountain peaks attaining 5,500 m. the lake has an almost triangular shape and covers an area of about 3.5 km with a maximum depth of 72 m. Poplar and a few birch groves cover the lake shores. Three mountain rivers, Sary-Tag, Serima and Khozor-Mech, and Peshchernaya Brook enter the lake at the triangular tips, while the flow-off is effected by the Iskander-Dar'ya in the northeast. Most scientists think that the lake came into being by an obstruction of the former mountain valley. This assumption is supported by rocks of all sizes found in this area. The obstruction had a height of 500 m. Formerly, Lake Iskander-Kul' was considerably higher than it is now. Its former flood marks can still be seen on the surrounding rocks 117 m above

Card 1/3

the present lake level. At that earlier time, the lake covered an area of over 10 square km and had a maximum depth of over 200 m. There are two more former lake surface level marks visible on the rocks at 35 and 17 m above present level. Lake Verin-Kul', north of Lake Iskander-Kul', is considerably smaller and several m higher up. It is apparently a body of water that formerly was part of Lake Iskander-Kul' before it lost huge amounts of water by way of a break-through in 3 stages. The first break-through was gigantic and catastrophic, when about 700 million cubic m rushed downward within an extremely short period of time. The break-through is explained by the sudden yielding of a central part of the obstruction, where comparatively loose and small rock and rock debris had been washed out by the lake water. This assumption finds confirmation in the formation of the Iskander-Dar'ya's river bed and gigantic pieces of rock that were washed away by a sudden downrushing flood. A similar break-through was observed in a lake on the Yaknob river. Another theory holds that the top of the obstruction dam was washed out first and the break-through followed. At present, the lake level is stable and has not changed within the past 23 years. In 1929, a complex hydrometeorological station was established on

On the Break-Through of Lake Iskander-Kul' SOV-26-58-3-20/51

the northeast shore of the lake.
There is 1 diagram, 1 chart, 1 graph and 2 Soviet references.

ASSOCIATION: Komsomol'skaya gidrometeorologicheskaya observatoriya na Kuybyshevskom vodokhranilishche (Komsomol' Hydrometeorological Observatory at the Kuybyshev Reservoir)

1. Inland waterways--USSR 2. Inland waterways--Geology
3. Inland waterways--Applications 4. Water power--USSR

Card 3/3

NIKULIN, P.I., inzh.

Wind and wave pattern of the Kuybyshev Reservoir according to observations made during 1958. Rech.transp. 18 no.5:41-42 My '59. (MIRA 12:9)
(Kuybyshev Reservoir) (Hydrometeorology)

NIKULIN, P.I.

Water stage regime and rise and flow phenomena in Kuybyshev Reservoir. (MIRA 15:2)
Sbor. rab. po gidrol. no.2:33-46 '61.

1. Komsomol'skaya gidrometobservatoriya.
(Kuybyshev Reservoir—Hydrography)

NIKULIN, P.I.

Vertical referencing of gauges in Kuybyshev Reservoir by the method of water leveling. Sbor. rab. po gidrol. no.2:47-59 '61.(MIRA 15:2)

1. Komsomol'skaya gidrometobservatoriya.
(Kuybyshev Reservoir—Hydrography)

BOROVKOVA, Tamara Nikolayevna; NIKULIN, Pavel Ivanovich; SHIROKOV, Vyacheslav Mikhaylovich; MIKHEYEV, N.I.; DURASOVA, V.M., tekhn. red.

[The Kuybyshev Reservoir; physical geography]Kuibyshevskoe vodokhranilishche; kratkaia fiziko-geograficheskaia kharakteristika. [By] T.N.Borovkova, P.I.Nikulin, V.M.Shirokov. Kuibyshevskoe knizhnoe izd-vo, 1962. 90 p. (MIRA 16:4)
(Kuybyshev Reservoir region--Physical geography)

VENDROV, S.L., red.; NIKULIN, P.I., red.; SHIROKOV, V.M., red.

[Materials of the First Technological Conference for Studying Kuybyshev Reservoir] Materialy nauchno-tekhnicheskogo soveshchaniia po izucheniiu Kuibyshevskogo vodokhranilishcha. Kuibyshev, Komsomol'skaia gidrometeorologicheskaia observatoriia. No.1. 1963. 245 p.
(MIRA 17:7)

1. Nauchno-tekhnicheskoye soveshchaniye po izucheniyu Kuybyshevskogo vodokhranilishcha. 1st, Stavropol'-on-Volga, 1962. 2. Komsomol'skaya gidrometeorologicheskaya observatoriya (for Nikulin, Shirokov). 3. Gosudarstvennyy komitet Soveta Ministrov RSFSR po vodnomu khozyaystvu, Institut geografii AN SSSR (for Vendrov).

[illegible] . .

[illegible]tics of the wind regime for a period of many years in the region of the Kuybyshev Reservoir. Sbor. rab. Kom. GMO no.[illegible]:3-34 '65. (MIRA 18:10)

NIKULIN, P.P.

Effect of psychoprophylactic method of painless labor on the content of adrenalin and acetylcholine in blood. Akush. gin., Moskva no. 2:10-15 Mar-Apr 1952. (CLML 22:2)

1. Of the Institute of Obstetrics and Gynecology (Director -- L. G. Stepanov), Ministry of Public Health USSR.

NIKULIN, P. P.

NIKULIN, P. P.: "The effect of psychoprophylactic anesthesia of child-birth on the blood content of adrenalin and acetylcholine." Kishinev State Medical Inst. Kishinev, 1956.
(Dissertation for the degree of Candiate in Medical Sciences)

SO: Knizhnaya Letopis', No 36, 1956, Moscow.

NEMTSOVA, O.L., ANDRONYEVA, Ye.I., NIKULIN, P.P.

Further study on the dynamics of higher nervous activity in animals [with summary in English]. Akush. i gin. 34 no.5:30-34 S-O '58

1. Iz fiziologicheskoy laboratorii (zav. - prof. A.O. Dolin) Instituta akusherstva i ginekologii (dir. dots. L.G. Stepanov) Ministerstva zdravookhraneniya RSFSR.

(CENTRAL NERVOUS SYSTEM, physiol.
higher nerv. activity in pregn. white rats (Rus))
(PREGNANCY, physiol.
higher nerv. activity in white rats (Rus))

ROZOVSKIY, I.S.; NIKULIN, P.P., kand.med.nauk

Apparatus of the Krasnogvardeets Factory and its use for pertubation in sterility. Akush. i gin. 35 no.3:90-94 My-Je '59. (MIRA 12:8)

1. Iz endokrinologicheskoy kliniki (zav. - prof.Ye.I.Kvater) Instituta akusherstva i ginekologii (dir. - dotsent L.G.Stepanov) Ministerstva zdravookhraneniya RSFSR.
(STERILITY, FEMALE, ther.
pertubation, appar. (Rus))

KOZOVSKIY, I.S.; NIKULIN, P.P.

Functional state of the fallopian tubes in sterility. Sov. med. 24 no. 7:39-43 Jl '60. (MIRA 13:8)

1. Iz endokrinologicheskoy kliniki (zav. - prof. Ye.I. Kvater) Instituta akusherstva i ginekologii (dir. - doktor meditsinskikh nauk O.V. Makeyeva) Ministerstva zdravookhraneniya RSFSR.
(STERILITY) (FALLOPIAN TUBES)

NIKULIN, P.P., kand.med.nauk; ROZOVSKIY, I.S.

Hydro-intubation as a diagnostic and therapeutic method in sterility. Akush.i gin. 37 no.2:64-66 F '61. (MIRA 14:3)

1. Iz endokrinologicheskoy kliniki (zav. - prof. Ye.I. Kvater) Instituta akusherstva i ginekologii (dir. - doktor med.nauk O.V. Makeyeva).
(STERILITY) (FALLOPIAN TUBES)

[redacted], F.S., kand.med.nauk (Leningrad)

Functional gastric activity in the hypotonic type of neurocirculatory dystonia. Klin.med. 36 no.2:46-52 F '58. (MIRA 11:4)

1. Is kafedry gospital'noy terapii (nach. - prof. M.L.Shcherba) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova.
(NEUROCIRCULATORY ASTHENIA, physiol.
stomach (Rus))
(STOMACH, in various dis.
neurocirc. asthenia (Rus))

~~MIKHAYLOVICH~~ NIKULIN, S M.

PHASE I BOOK EXPLOITATION 628

Yenyutin, Vyacheslav Vyacheslavovich, and Nikulin, Stanislav Mikhaylovich. Spuskovyye ustroistva (Trigger Devices) Moscow, Gosenergoizdat, 1957. 78 p. (Series: Massovaya radiobiblioteka) 30,000 copies printed.

Ed.: Plenkin, Yu. N.; Tech. Ed.: Voronin, K.P.; Editorial Board (of Series): Berg, A.I., Dzhigit, I.S., Kulikovskiy, A.A., Smirnov, A.D., Tarasov, F.I., Chechik, P.O., and Shamshur, V.I.

PURPOSE: This booklet is intended for radio amateurs who have some knowledge in the radio field.

COVERAGE: Principles of operation and calculation of the parameters of some trigger devices are covered in the booklet. The two conditions of stable balance are discussed. Practical diagrams of trigger devices are also given. These devices are widely used in pulse counters and computers. Particular attention is given to devices with cold cathode gas tubes, electron tubes and semiconductor triodes. There are no references and no personalities are mentioned.

Card ~~1/4~~

YENYUTIN, Vyacheslav Vyacheslavovich; NIKULIN, Stanislav Mikhaylovich; YEFREMOVA, Ye.V., red.; KARYAKINA, M.S., tekhn.red.

[Electric measurements for amateur radio enthusiasts; use of the electron-tube voltmeter] Radiolyubitel'skie izmereniia; primenenie lampovykh vol'tmetrov. Moskva, Izd-vo DOSAAF, 1958. 79 p. (MIRA 12:4)
(Radio measurements) (Electron-tube voltmeter)

KIRSKIY, Grigoriy Yakovlevich; NIKULIN, S.M., red.

[Measurement of time intervals] Izmerenie vremennykh intervalov. Moskva, Izd-vo "Energiia," 1964. 71 p. (Massovaia radiobiblioteka, no.511) (MIRA 17:5)

TITOV, Vladimir Vasil'yevich; NIKULIN, S.M., red.

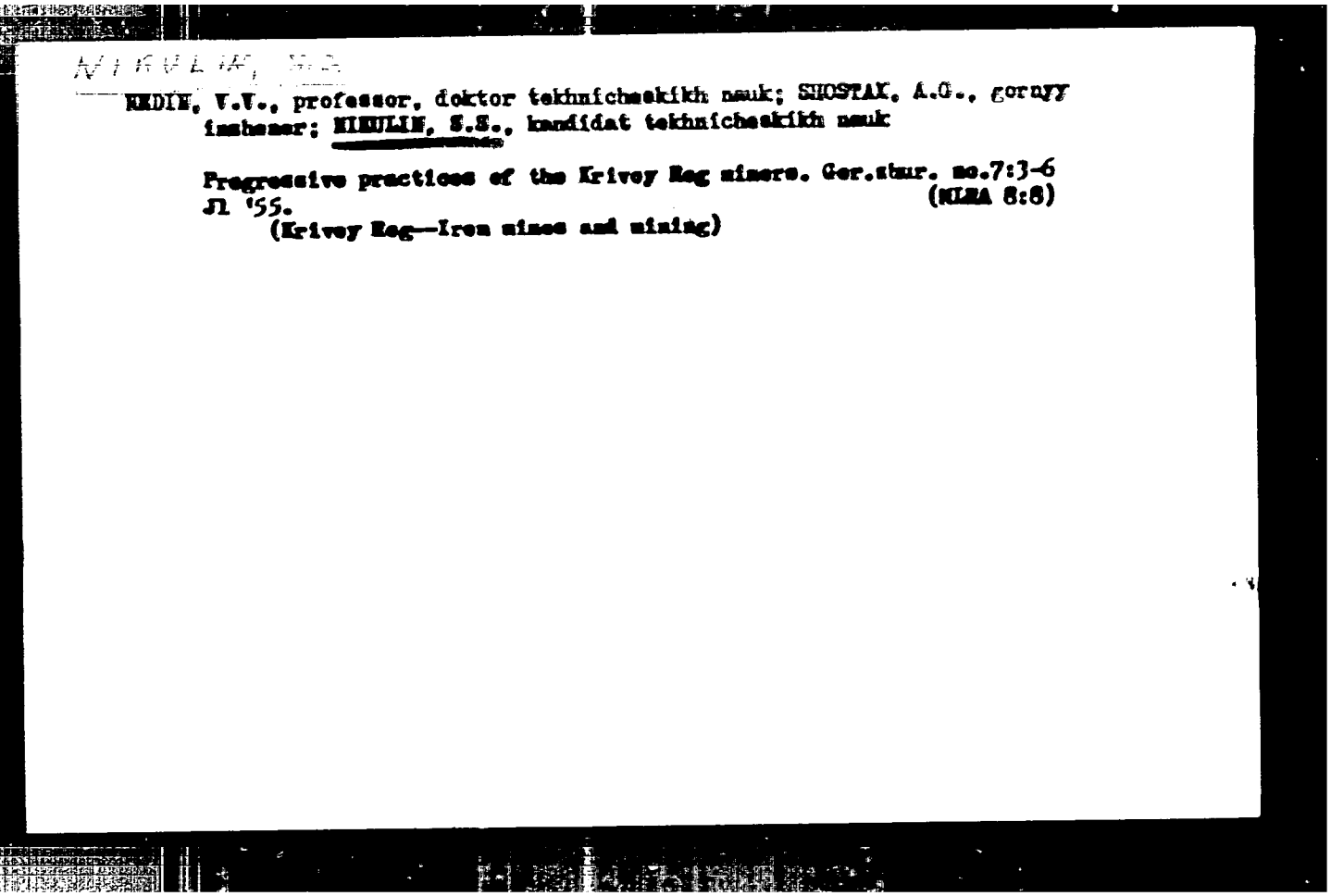
[Trigger-type measuring devices] Izmeritel'nye spuskovye ustroistva. Moskva, Izd-vo "Energiia," 1964. 31 p. (Massovaia radiobiblioteka, no.527) (MIRA 17:6)

POLKOVSKIY, Iosif Meyerovich; NIKULIN, S.M., inzh., red.

[Stabilized transistor amplifiers] Stabilizirovannye usilitel'nye ustroistva na tranzistorakh. Moskva, 1965. 213 p. (MIRA 18:4)

GUDKOV, A.N., doktor tekhn.nauk, prof.; NIKULIN, S.N., inzh.

Bases for selecting the forms for the working parts of a manure spreader. Trakt. i sel'khozmash. no.9:29-31 S '65.
(MIRA 18:10)



MIKHIN, V.V., professor, doktor tekhnicheskikh nauk; SHOSTAK, A.G., gornyy inzhener; NIKULIN, S.S., kandidat tekhnicheskikh nauk

Progressive practices of the Krivoy Rog mines. Gor.zhur. no.7:3-6 Jl '55. (MLRA 8:8)
(Krivoy Rog—Iron mines and mining)

EXCERPTA MEDICA Sec.7 Vol.10/3 Pediatrics March60

646. NIKULIN S. V. Moscow. *Treatment of giardiasis in childhood with mepacrine (Russian text) PEDIATRIJA 1955, 3 (83)

Between 12 and 120 mg. 3 times daily before a meal is administered during 8 days. A fat-free diet during the treatment is also advised. Colitis due to Giardia is treated by mepacrine enemas, in addition to peroral administration.

Bruce-Chwatt - Lagos (XX,7)

MALAKHOV, G.M.; LUGAVSKOY, S.I.; MARTYNOV, V.K.; NIKULIN, S.[illegible]., GUMINSKIY, K.V. RYBKOV, P.A., redaktor; PARTENSKIY, redaktor; NIKIFOROVA, tekhnicheskiy redaktor.

[Reducing waste and loss of iron ore in the working of mines in Krivoy Rog Basin] Snizhenie poter'i razubozhivaniia zheleznoi rudy pri razrabotke mestorozhdenii Krivorozhskogo basseina. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1955.208 p. (Krivoy Rog--Iron mines and mining) (MLRA 9:4)

KLOCHKOV, V.F., inzh.; NIKULIN, S.Ye., kand.tekhn.nauk

Selection of the basic parameters of bilges in caving systems under conditions of great rock pressure. Izv. vys. uchet. zav.; gor. zhur. 5 no.1:8-15 '62. (MIRA 15:4)

1. Krivorozhskiy gornorudnyy institut. Rekomendovana kafedroy stroitel'stva gornykh predpriyatiy Krivorozhskogo gornorudnogo instituta.
(Krivoy Rog Basin—Iron mines and mining) (Rock pressure)

LINNIK, G.F., kand. tekhn. nauk; NIKULIN, S.Ye., kand. tekhn. nauk; SULIMA, G.S., insh.

Maintaining scraper level workings in conditions of increased rock pressure. Met. i gornorud. prom. no.6:45-48 N-D '62. (MIRA 17:8)

1. Institut avtomatiki Gosplana UkrSSR (for Linnik).
2. Krivorozhskiy gornorudnyy institut (for Nikulin, Sulima).