CHERNOMORCHENKO, S.; NARODITSKIY, A.; NIKIFOROVA, L.

Modification of a medical microtome fitting it to cut sections of metals down to 2 μ. Nauch. trudy TashGU no.203:145-149 '62. (MIRA 16:8)

(Metal-cutting tools)

CHERKOVORCHENKO, S.G., MARODITSKIY, A.D., MUSATSKOV, N.V.

Diffusion of barium in the coating of an oxide cathode.
Trudy SAGU no.148:81-84 '59. (MIRA 13:7)
(Cathodes) (Barium) (Diffusion)

NARODITSKIY, A.D.; NIKIFOROVA, L.M.; KHALIULIN, M.G.; KHASHBAKTIYEVA, D.A.

Vaporization of gold from the surface of grids and crossarms and its distribution on various parts of electron tubes with oxide cathodes. Nauch. trudy TashGu no.221.Fiz. nauki no.21: 145-148 '63. (MIRA 17:4)

NARODITSKIY, A.D.; GARIFULLIN, A.G.; CHERNOMORCHENKO, S.G.; MUSHKAREV, V.G.; KHASHBAKTIYEVA, D.A.

Thermal conditions of the first grid of a receiving amplifier tube of medium power. Nauch. trudy TashGu no.221.Fiz. nauki no.21: 149-154 '63. (MIRA 17:4)

NARODITSKIY, A.D.; NIKIFOROVA, L.M.; KHALIULIN, M.G.; RASULMUKHAMEDOVA, D.A.; CHERNOMORCHENKO, S.G.; MUSHKAREV, V.G.

Thermal sputtering of certain grid coatings and their effect on the performance of radio tubes with oxide cathodes. Izv. AN Uz SSR. Ser. fiz.-mat. nauk 9 no.2:48-53 '65.

(MIRA 18:6)

1. Tashkentskiy gosudarstvennyy universitet imeni Lenina.

L 41330-65 EWI(d)/EPA(s)-2/EWT(m)/EWA(d)/EWP(v)/EPR/T/EWP(t)/EWP(k) EWP(h)/
EWP(z)/EWP(b)/EWP(l)/EWA(c) Pf-4/Ps-4 IJP(c) MJW/JD/RM
ACCESSION NR: AP5005003 S/0125/65/000/001/0061 0063

AUTHOR: Poritskiy, M. P. (Engineer); Steblovskiy, B. A. (Engineer);

SOURCE: Avtomaticheskaya svarka, no. 1, 1965, 61-63

TOPIC TAGS: aluminum welding, aluminum duct

ABSTRACT: The techniques used in welding a 100-to-long, 6-m-ID AMTsAM aluminum alloy duct (sketch supplied) from 6-mm-thick 1.5x5-m plates are briefly described. Submerged-arc butt-welding with a steel backing and without cutting edges was used for joining the plates; AMT-1 3-mm electrode wire was fed automatically by a modernized ABS welding head; the spacing in the twin electrodes was about 8 mm. Welding current was 180-200 amp; voltage, 30-32 v; rate, 230-250 m/hr. Weld test results: ultimate tensile strength,

Card 1/2

L 0[illegible]
ACC[illegible]

13 kg/[illegible], bending angle, 180° or more. It is found that single-side automatic welding w/ AM[illegible]mann with AN-A1 flux does not require edge cutting and is considerably cheaper than argon arc-welding. Orig. art. has: 4 figures.

Electric Welding, A[illegible] UkrSSR); Kuznetskiy zavod metallokonstruktsiy (Kuznetsk Metal-Construction Plant)

SUBMITTED: 25Jul64 ENCL: 00 SUB CODE: MM

NO REF SOV: 000 OTHER: 000

Card 2/2

MARODITSKIY, I.A., insh.; GUZHVENKO, G.P., insh.

Reducing the expenditures for carding machine modernization.
Tekst. prom. 20 no. 12:62-63 D '60. (MIRA 13:12)

1. Klyevskaya khlopkopryadil'naya fabrika.
(Carding machines)

REYZIS, S.B., insh.; NARODITSKIY, L.B., insh.

Remote control of the assembly-line and transportation systems at reinforced concrete products plants. Bet. i shel.-bet. 8 no.7:324-326 Jl '62. (MIRA 15:7)
(Remote control) (Precast concrete)

MARODITSKIY, Ya., inzhener.

Cleaning and degasification of tankers. Mor. flot 16 no.12: 27-28 D '56. (MLRA 10:2)

1. V/o "Sudoimport."
(Tank vessels)

NARODITSKIY, Ya.

Installation for air purification in ore carriers (from "Shipbuilding and shipping record" August 1956). Mor.flot 17 no.9:29 S '57. (MIRA 10:11)

1. Nachal'nik tekhotdela Vsesoyuznogo ob"yedineniya "Sudoimport."
(Great Britain--Ore carriers) (Ships--Heating and ventilation)

NARODITSKIY, Ya.Kh., inzhener.

Equipment designed by engineers of the petroleum industry. (MIRA 10:10)
Priborostroenie no.9:28 S '57. (Automatic control)
(Petroleum industry--Equipment and supplies)

BELOZERSKIY, S.S.; MARODITSKIY, Ya.Kh.

New instruments and equipment for automatic control in the petroleum industry. Priborostroenie no.8:13-15 Ag '60. (MIRA13:9)

(Petroleum products) (Automatic control)

NARODITSKIY, Ya.Ye.

Attachment preventing breaking of dredger intake pipes (from "Ports and dredging" no.19, 1956). Mech. transp. 16 no.6:40 Je '57. (MLRA 10:8)

(Netherlands--Dredging machinery)

YEFIMOV, V.P. [deceased]; MARODITSKIY, Ye.Sh.

Cold rolling of low-module gear wheels of a rod on turret lathes.
Priborostroenie no.9:13-15 S '62. (MIRA 15:9)
(Gear shaping machines)

3220. INVESTIGATION OF THE APPEARANCE OF THE SO-CALLED SECONDARY EXCITATION OF THE CEREBRAL CORTEX IN THE CHILD (Russian text) - Narodnitskaya G. D. - TRUD. INST. VYSSH. NERV. DEYAT. AKAD. NAUK (Ser. Patofiziol.) 1956, 2 (106-113)

An investigation was carried out on children of three different age groups (5-6, 8-9, 11-12), each consisting of 15 children. The motor conditioned response to a flash of green light and its differentiating variant (a blue light), with speech reinforcement by the words: 'grass', 'leaves', 'sky', 'sea' was the same as the response to direct stimuli (motor response to 'grass', 'leaves'; inhibitory response, i.e. refraining from movement, to 'sky', 'sea'). Here the conditioned response was produced not by primary excitation through verbal stimuli, but as if by secondary excitation reviving past impressions in the cerebral cortex. Secondary excitation had various forms depending on the age of the child. (S)

EXCERPTA MEDICA Sec 7 Vol 11/7 Physiology July 58

3223. COMPLEX DYNAMIC STRUCTURE IN CHILDREN OF VARIOUS AGE GROUPS (Russian text) - Narodnitskaya G. D. - TRUD. INST. VYSSH. NERV. DEYAT. AKAD. NAUK (Ser. Patofiziol.) 1956, 2 (129-135)

Investigation by the motor speech reinforcement method was carried out on 120 healthy children aged 5-6, 8 and 10-12 yr. Producing conditioned responses to several direct visual stimuli (drawings of various birds), and then applying a general verbal stimulus ('bird'), the author found that the conditioned response to the latter was the same as the response to the direct signals. This can be interpreted as the result of selective generalization of stimuli interconnected by conditioned bonds locked away in the past experience of the child. They constitute a complexly functioning structure embracing both signalling systems. Differences in relation to age were noted.

(S)

SMOL'NIKOV, V.P.; NARODNITSKAYA, N.A.

Modern chloroform anesthesia for oncologic patients. Eksper. khir. i anest. no.1:74-77 '65. (MIRA 18:11)

1. Laboratoriya anesteziologii (zav. - doktor med. nauk V.P. Smol'nikov) Instituta eksperimental'noy i klinicheskoy onkologii (direktor - deystvitel'nyy chlen AMN SSSR prof. N.N. Blokhin) AMN SSSR, Moskva.

HARCHENYY, Yu.M., insh.

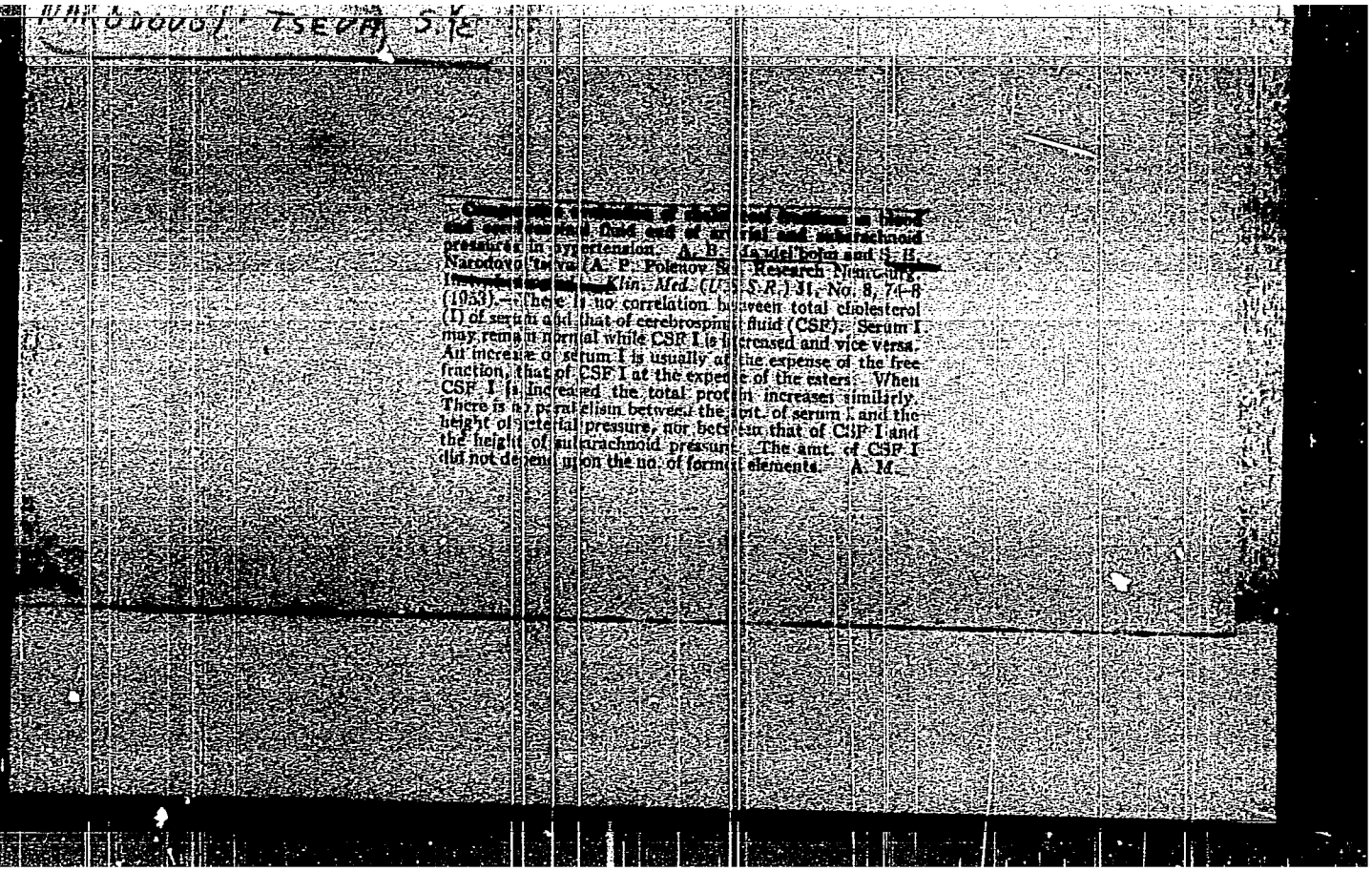
Manually operated pump designed by Mikhailov. Gidr. i mel. 12 no.10:49-51 O '60. (MIRA 13:11)

1. Abdel'skaya mashinoispytatel'naya stantsiya.
(Reciprocating pumps)

NARODNYY, Yu.M., insh.

VK-2.5 towerless pumping station coupled with the VN-2-8 water-jet unit. Gidr. i mel. 13 no.11:47-51 N '61. (MIRA 14:10)

1. Podol'skaya mashinoispytatel'naya stantsiya.
(Pumping stations)



[redacted]

NAROG, F.

Observations on modifications in the fundus oculi in tuberculous meningitis and military tuberculosis treated with streptomycin. Polski tygod. lek. 6 no.8:259-263 19 Feb 1951. (CLML 20:11)

WHRO G F

EXCERPTA MEDICA Sec.12 Vol.11/4 Ophthalmology Apr57

654. NARÓG F. Ul. Pulawska i, m.6, Warszawa 12. •Zapalenie bloniaste spojówek przy wielokształtnym rumieniu wysiękowym; erythema exsudativum multiforme. Membranous conjunctivitis in the course of erythema exsudativum multiforme KLIN. OCZNA 1956, 26/4 (395-400)

Case report of a 19-year-old female in whom white, thick, elastic membranes appeared on the conjunctiva. They may be easily removed without causing bleeding. The exudate grew rapidly. Similar alterations appeared on the whole skin. Diphtheria and pemphigus should be excluded. Vit. A and D were administered and the case was cured. A virus origin of the skin alterations is suggested. Szmyt - Łódź

LISIECKA-ADAMSKA, H.; KOLAKOWSKI, J; CALKA, W.; HAROLSKA I.

Multiple pulmonary abscesses complicating abortion. Gin.polska 26 no.3:307-312 July-Sept. '55.

1. Z I Kliniki Chorob Wewnetrznych A.M. w Lodzi Kierownik: prof. dr. J. W. Grott. Lodz, Wieckowskiego 56.

(LUNGS, abscess,
multiple, with abortion)
(ABORTION, complications,
lung abscesses, multiple)
(ABSCESS,
lungs, multiple, with abortion)

BOJANOWICZ, K.; NAROLSKA, Irena

Effect of single sleep induced with luminal on sugar curve following glucose load in diabetes mellitus, pancreatitis, and normal conditions. Polskie arch. med. wewn. 26 no.7:1067-1077 1956.

1. Z I Kliniki Chorob Wewnetrznych A.M. w Lodzi Kierownik: prof. dr. med. J. W. Grott, Lodz, ul. Ar. Ludowej 27 m. 7.

(GLUCOSE TOLERANCE TEST,
eff. of sleep in diabetes mellitus, pancreatitis, & normal cond. (Pol))
(DIABETES MELLITUS, physiology,
eff. of sleep on glucose tolerance test (Pol))
(PANCREATITIS, physiology,
same)
(SLEEP, effects,
on glucose tolerance in diabetes mellitus, pancreatitis & normal cond. (Pol))

PETERSON, Zbigniew; BOJANOWICZ, Kazimierz; MAROLSKA, Irena

Recesses of the duodenum and small intestine. Case report. Polski tygod.lek. 15 no.33:1282-1285 15 Ag '60.

1. Z I Kliniki Chorob Wewnetrznych; kierownik: prof. dr nauk med. Josef Waclaw Grott i Zakladu Radiologii i Rentgenologii A.M. w Lodzi; kierownik doc. dr Wladyslaw Trzetrzewinski
(DUODENUM dis.)
(INTESTINE, SMALL dis.)

BOJANOWICZ, Kazimierz; OLSZEWSKI, Waclaw; NAROLSKA, Irena

Value of periodic sleep produced with luminal in combined therapy of pancreatitis. Polskie arch. med. wewn. 32 no.5:427-436 '62.

1. Z I Kliniki Chorob Wewnetrznych AM w Lodzi Kierownik: prof. dr nauk med. J.W. Grott.
(PANCREATITIS ther) (SLEEP ther) (PHENOBARBITAL ther)

POLAND

WAROLSKA, Irena, First Clinic of Internal Diseases (I Klinika Chorob Wewnetrznych), AM [Akademia Medyczna, Medical Academy] in Lodz (Director: Prof. Dr. med. sci. J. GROTT)

"Surgical Treatment in Recklinghausen Disease. Removal of a Very Large Tumor. Case Report."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 34, 19 Aug 63, pp 1273-1274

Abstract: [Author's English summary] Author reports the case of a female patient with fibroneuromatosis. The very large tumors in the gluteal region were removed surgically because of patient's request. In the author's opinion surgical treatment of such cases is a great risk, and must not be applied if there are severe vital indications. There are four Polish references.

1/1

NAROTSKIY, Z., inzh.

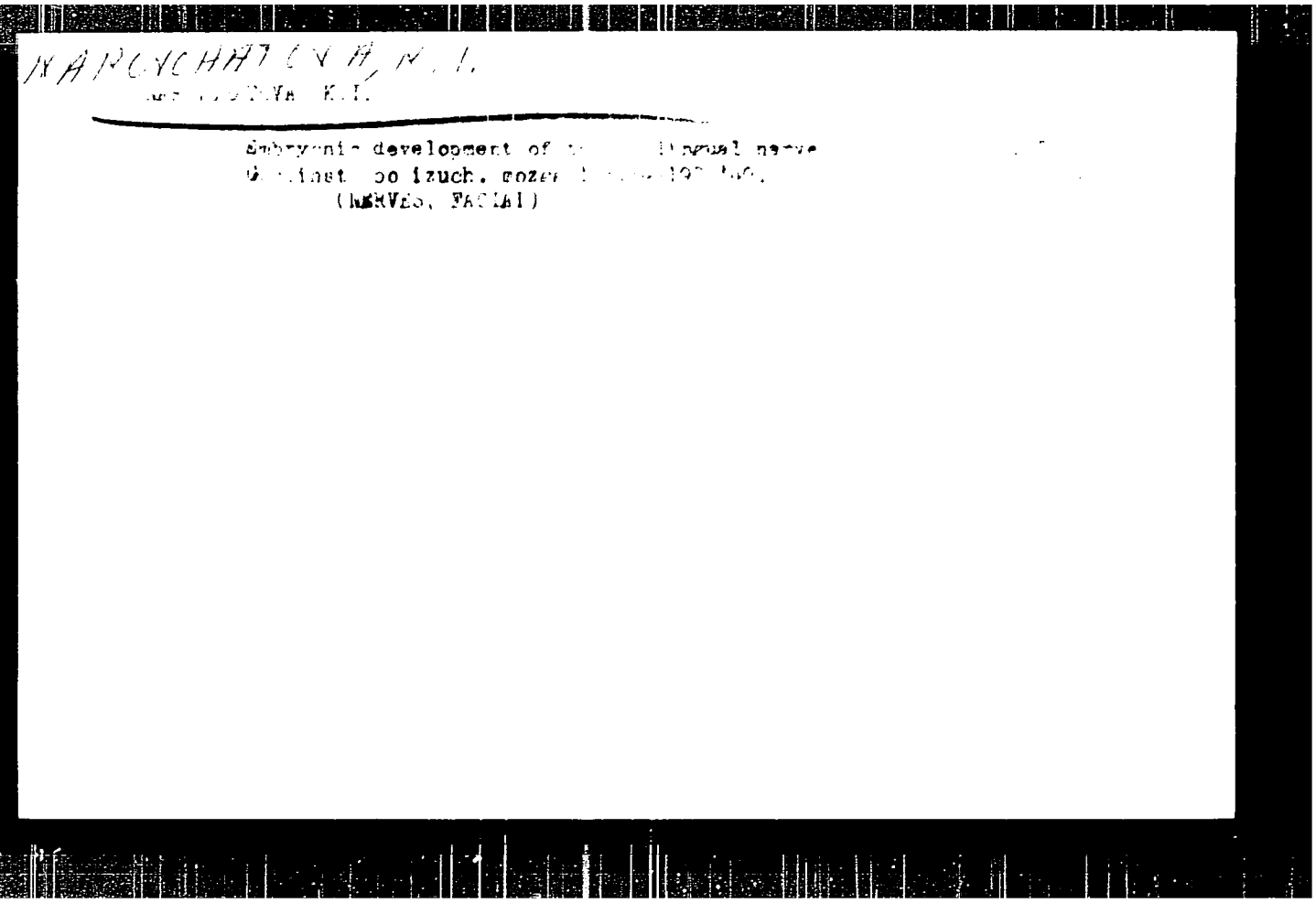
Normal load in mine galleries. Prom. stroi. i inzh. soor. 5 no.5:51 S-O '63. (MIRA 16:12)

BAKRADZE, T.L.; GABUNIYA, L.V.; KARDAVA, A.G.; NAROUSHVILI, L.V.

Comparative studies on final quinocide therapy in tertian malaria [with summary in English]. Med.paras. i paras.bolezn. 23 no.1:80-84 Ja-F '59. (MIRA 12:3)

1. Iz epidemiologicheskogo otdela Nauchno-issledovatel'skogo instituta malyarii i meditsinskoy parazitologii imeni prof. S.S. Virsaladze Ministerstva zdravookhraneniya Gruzinskoy SSR (Dir. instituta - prof. G.M. Maruashvili, rukovoditel' otdeleniya S.S. Abuladze).

(ANTIMALARIALS, ther. use,
quinocide in tertian malaria, comparison
with other methods (Rus))



Embryonic development of [illegible] nerve
[illegible] po izuch. mozga [illegible]
(NERVES, FACIAL)

NAROVCHATOVA K.I.

Lab. of path. Morph., Pavlov Inst. of Physics. "The development of argyrophil fibres in cicatrisation in rabbit brains (Russian text) ARKH. PATOL.(Moscow) 1953,5 (20-30) Illus. 5

A small portion of the cerebral cortex (4th field on the left) of rabbits was extirpated. Within 24-48 hr. of the operation, argyrophil fibres were formed in the walls of the vessels adjacent to the wound and in the soft meninges. They formed an argyrophil reticulum which reached completion in the 6th day, whereupon the fibres were transformed into collagenous structures, which formed a strong scar by the 30th postoperative day. Cicatrisation advanced from the periphery to the centre. Brandt - Berlin

SO: Excerpta Medica
Section V
Vol. 7 No. 10

20-1-40/44

AUTHOR: Narovchatova, K. I.

TITLE: On the Synapses of Cerebellum Cores (O sinapsakh yader mozzhechka).

PERIODICAL: Doklady AN SSSR, 1957, Vol. 116, Nr 1, pp. 145-145 (USSR).

ABSTRACT: According to Pavlov the inter-neuronic connections are points of coupling. They are supposed to play an important part in the effecting of the "terminal function" of the conditionally reflective apparatus. The present paper shall discover the detailed interrelations between the neurons in the Nucleus dentatus and the Nucleus fastigii of the cerebellum of man and animals. In the extensive publications nothing of that sort was found. The study of these problems is, however, of special interest, as the cellular elements of the Nucleus dentatus show a very high sensitivity to a number of pathogenic factors. The author succeeded in discovering synapses on the nerve cells of the Nucleus dentatus her investigation of sections of a cerebellum of a cat (dyed according to Bilschowsky-Groβ). They existed as well on the cell body as on the protoplasmatic cell outgrowths. The shape of the synapses is described. Many of them had thin and short supplying fibers which not seldom connected several synaptic ringlets with each other. The cerebellum synapses in the N. dentatus are large or small. The former are twice or thrice

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On the Synapses of Cerebellum Cores. 20-1-40/44

as large as the latter. In the cat the latter on the average reach a number up to 5o. The synapses of the Nucleus fastigii are more or less monotonous in their shape and number and reach a number of 15 - 2o in a cell. In the N. dentatus more complicated synapses also occur beside simple synapses such as ringlets, little loops, small buttons, cudgels and clubs (figure 2). Figure 3 shows a terminal fiber which together with its synapses lies on the appendix of the nerve cells. The fiber is dichotomously divided into small terminal branches and ends in ringlets which, according to their structure, mostly are homogeneous. The difference in form and size of animal and human synapses gives rise to the assumption that they also have a different functional importance.
There are 3 figures.

ASSOCIATION: Institute of Physiology imeni I.P.Pavlov, AS USSR (Institut fiziologii imeni I. P. Pavlova Akademii nauk SSSR).

PRESENTED: By K. M. Bykov, Academician, March 18, 1957.

SUBMITTED: March 8, 1957.

AVAILABLE: Library of Congress.

Card 2/2

NAROVCHATOVA, K.I. (Leningrad, D-28, Liteynyy pr., 31, kv.35)

Condition of synapses of the dentate nucleus in the cerebellum after incision of the white substance of its hemispheres. Arkh. anat. gist. i embr. 38 no. 5:27-30 My '60. (MIRA 14:2)

1. Laboratoriya morfologii (zav. - chlen-korrespondent AN SSSR N.G. Kolosov) Instituta fiziologii im. I.P. Pavlova Akademii nauk SSSR.

(CEREBELLUM)

NAROVCHATSKIY, A.P., vrach (Leningrad).

Nikolai Nikolaevich Fenomenov; short biographical sketch. Fel'd.i akush. no. 10:39-41 O '53. (MLRA 6:10)

(Fenomenov, Nikolai Nikolaevich, 1855-1918)

MAROVCHATSKIY, Ya.P. (Leningrad)

Second interschool conference of students-midwives. Fel'd. i akush. no.7:61 Jl '54. (MLRA 7:7)

1. Predsedatel' gorodskoy predmetnoy komissii po akusherstvu i ginekologii.
(MIDWIVES)

MAROVCHATSKIY, Ya.P. (Leningrad) [deceased]

Anton IAkovlevich Krassovskii. Fel'd. i akush. no.11:28-31 N '54.
(KRASSOVSKII, ANTON IAKOVLEVICH, 1821-1898) (MLRA 7:12)

SHAROV, P.K.; NECHIPURENKO, A.K.; NAROVLYANSKAYA, L.I.

Hamartomas of the lungs. Vop. ... [illegible]

(MIRA 12:2)

1. Iz rentgenovskikh otdeleniy bol'nitsy traktornogo zavoda (glavnyy vrach L.I.Serednina), oblastnoy bol'nitsy (glavnyy vrach N.S.Klyukov), ... (glavnyy vrach N.M.[illegible]), g. Chelyabinsk.

MARCVLYANSKIY, G. Ya.

Moscow Hydro-meteorological Inst., (-1944-)

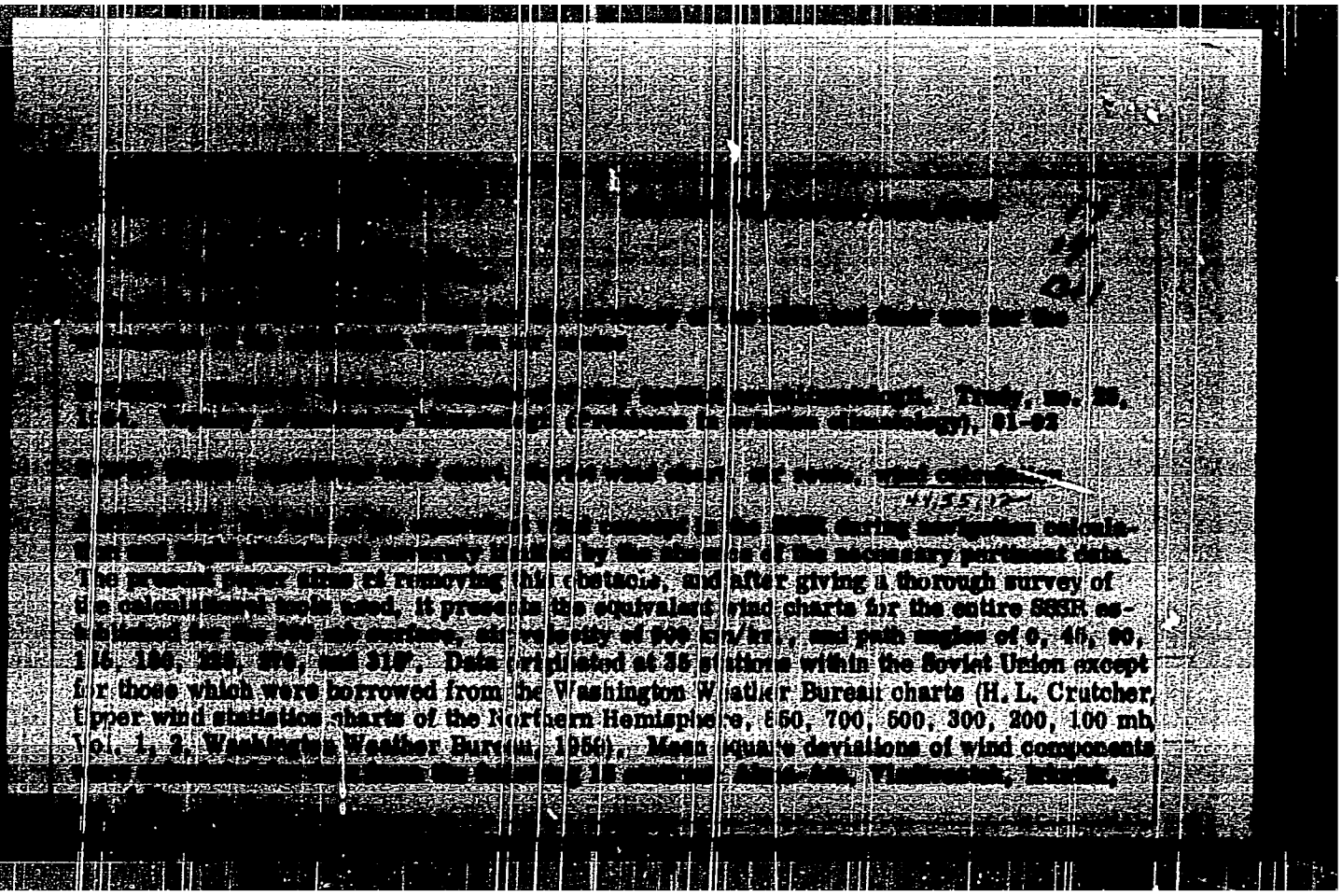
"Application of the graphic method to the question of effective radiation,"

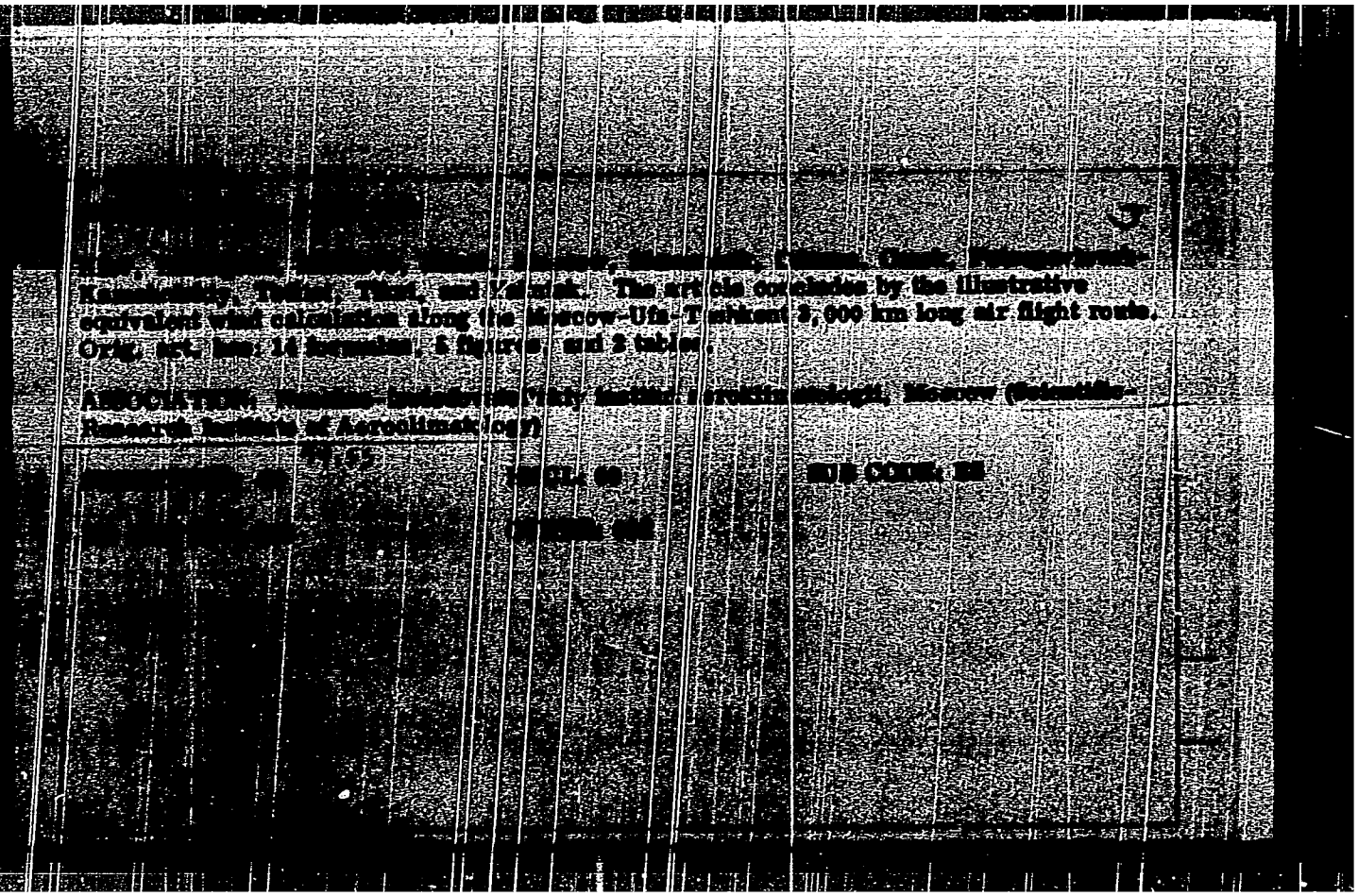
Iz AK, Nauk SSSR, Ser. Geograf i Geofiz., No. 4-6, 1944.

NAROVLYANSKIY, G.Ya.; SOLONIN, S.V.

Equivalent winds and their calculation. Trudy NIIAK no.14:120-129 '61. (MIRA 15:1)

1. Leningradskaya Krasnoznamennaya voyenno-vozdushnaya inzhenernaya akademiya im. A.F.Mozhayskogo.
(Winds) (Meteorology in aeronautics)





PHASE I BOOK EXPLOITATION SOV/6279

Narovlyanskiy, Grigoriy Yakovlevich, and Sergey Vasil'yevich Solonin

Ekvivalentnyy veter i metody yego rascheta (Equivalent Wind and Methods of Its Calculation) Leningrad, Gidrometeoizdat, 1962. 98 p. Errata slip inserted. 1250 copies printed.

Resp. Ed.: L. T. Matveyev; Ed.: G. Ya. Rusakova; Tech. Ed.: M. I. Braynina.

PURPOSE: The book is intended mainly for meteorologists serving aviation, for aeronautical engineers, and for navigators. It can also be used by instructors and graduate students of hydrometeorological institutes and civil aviation schools.

COVERAGE: The increase in the range of flight and the aircraft ceiling makes it necessary to enlarge the application of meteorological data in navigational calculations. Therefore, the volume of meteorological information necessary for flight security has expanded

Card 1/X2

considerably, raising new technical and methodological problems in meteorological research. The book analyzes wind conditions and their effect on the aircraft in general, and devotes particular attention to the equivalent wind. The authors endeavored, on the one hand, to present an exact exposition of the theory of the equivalent wind and, on the other, to describe the methods for obtaining the climatic characteristics of the equivalent wind and to show the possibilities of using them for navigational calculations. For this purpose, the book presents numerous concrete examples with detailed description of the necessary operations, which will help to master the technique of navigational calculations. The authors thank L. T. Matveyev and L. S. Gandin for their critical remarks. There are 36 bibliographic references, of which 18 are Soviet and 18 in English.

TABLE OF CONTENTS:

Foreword 3

Basic symbols 4

MAROVLIANSKIY, I.

The spectator does not remain indifferent. Sov.foto 23 no.3:38-39 M '63. (MIRA 16:4)
(Shmerkovich, Mariia)

CHUKHNO, A.A.; KOZLOV, G.A.; KASHCHENKO, A.I.; AGANBEGYAN, A.G.; VOLKOV, M.I.; ZHUKOVSKIY, Ya.M.; NAGORNYY, A.F.; TSAGOLOV, N.A.; KOVALEVA, M.F.; PAVLOV, P.M.; ATLAS, M.S.; KATS, A.I.; NAROVLYANSKIY, N.G.; ANCHISHKIN, I.A.; SPIRIDONOVA, N.S.; KRONROD, Ya.A.; SULIMOV, I.A.; BREGEL', E.Ya.; ROZENMAN, Ye.S.; VARTANYAN, K.A.; NOVIKOV, V.A.; GATOVSKIY, L.M.

Structure and content of the course on the economics of socialism. Vop. ekon. no.6:57-143 Je '62. (MIRA 15:6)

1. Kiyevskiy gosudarstvennyy universitet (for Chukhno). 2.Vysshaya partiynaya shkola pri TSentral'nom komitete Kommunisticheskoy partii Sovetskogo Soyuza (for Kozlov, Volkov, Zhukovskiy). 3. Yaroslavskiy gosudarstvennyy pedagogicheskiy institut (for Kashchenko, Narovlyanskiy, Sulimov). 4. Institut ekonomiki i organizatsii promyshlennogo proizvodstva Sibirskogo otdeleniya AN SSSR (for Aganbegyan). 5. Institut povysheniya kvalifikatsii prepodavateley obshchestvennykh nauk pri Kiyevskom gosudarstvennom universitete (for Nagornyy). 6. Moskovskiy gosudarstvennyy universitet (for TSagolov, Spiridonova). 7. Akademiya obshchestvennykh nauk pri TSentral'nom komitete Kommunisticheskoy partii Sovetskogo Soyuza (for Kovaleva). 8. Leningradskiy finansovo-ekonomicheskiy institut (for Pavlov). 9. Moskovskiy finansovyy institut (for Atlas). 10. Nauchno-issledovatel'skiy institut truda (for Kats). 11. Institut ekonomiki AN SSSR (for Anchishkin, Kronrod). 12. Moskovskiy ekonomiko-statisticheskiy institut (for Bregel'). 13. Moskovskiy energeticheskiy institut

(Continued on next card)

CHUKHNO,---(Continued) Card 2.

(for Rozenman). 14. Armyanskiy sel'skokhozyaystvennyy institut (for Vartanyan). 15. Permskiy politekhnicheskiy institut (for Novikov). 16. Chlen-korrespondent Akademii nauk SSSR, glavnyy redaktor zhurnala "Voprosy ekonomiki" (for Gatovskiy).
(Economics--Study and teaching)

BAYEV, L., NAROVLYANSKIY, V.

Efficiency, Industrial

Shedding light on problems of technical progress in Soviet industry (a group of literature). Reviewed by L. Bayev, V. Narovlyanskiy. Vop. ekon., no. , 1962.

MONTHLY LIST OF RUSSIAN ACCESSIONS, [illegible], 1962. Unclassified.

NAROVSKAYA, M.B., starshiy prepodavatel'

Improving the cultural and technical level of railroad transportation workers in the U.S.S.R. Trudy MIIT no.166:36-51 '62. (MIRA 16:6)

(Railroads—Employees—Education and training)

AUTHOR: Narovskaya, N.P. 70-3-3-17/36

TITLE: The Magnetic Anisotropy and Crystal Structure of Single Crystals of Magnetite at Temperatures below the Transition Point (Magnitnaya anizotropiya i kristallograficheskaya struktura monokristalla magnetita pri temperaturakh nizhe fazovogo prevrashcheniya)

PERIODICAL: Kristallografiya, 1958, Vol 3, Nr 3, pp 346 - 350 (USSR).

ABSTRACT: Magnetite, cooled in a strong magnetic field to below - 160 °C, undergoes a phase transformation to a form with one axis of easy magnetisation. This form is orthorhombic (Abrahams and Calhoun, Acta Crystall., 1953, Vol 6, p 105) and the c-axis coincides with the cube axis nearest to the field direction during cooling. The a and b axes correspond to [110] axes of the cubic form. Spherical crystals were used. The mechanical moment of the crystal in the 100 plane was measured in a field of 3500 Oe and used, together with X-ray methods, for setting the crystal. The mechanical moment about the c-axis is given by $M=1/2 (K'_a + K'_b) \sin 4\vartheta$. By measuring this moment, it is possible to decide on the directions of a and b in the 001 plane.

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70-3-3-17/36

The Magnetic Anisotropy and Crystal Structure of Single Crystals of Magnetite at Temperatures below the Transition Point

A crystal was cooled to -195 °C in a field of 2600 Oe; the field was then turned through 90° and the mechanical moment about c was measured. The character of the curve obtained showed that the single crystal had broken down to a mosaic structure composed of two groups of regions. These two regions had their c-axes in common along the field but the a and b axes were in the two possible positions. The sum of K'_a and K'_b appeared positive. The applied field did not seem to affect the structure of the crystal after it had been cooled down. Rotating magnetic fields of 4 000 to 10 000 Oe were then applied. This led to an irreversible change in the crystal structure as seen from the mechanical moment curve which after 400 rotations was distorted to a curve containing sin 2α as the principal component. It is concluded that the crystal can become uniaxial in a direction perpendicular to the first-formed c-axis. On warming up the crystal returns to its former state. Acknowledgments to Proessor Bryukhatov. There are 6 figures and 6 references, 3 of which are Soviet and 3 English.

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70-3-3-17/36

The Magnetic Anisotropy and Crystal Structure of Single Crystals of Magnetite at Temperatures Below the Transition Point

ASSOCIATION: Moskovskiy institut inzhenerov zheleznodorozhnogo transporta (Moscow Institute for Railway Engineers)

SUBMITTED: March 5, 1958

Card 3/3

AUTHOR: Narovskaya, N. P. SOV/48-22-10-8/23

TITLE: Magnetic Anisotropy and Hysteresis Losses in Rotating Magnetic Fields in a Magnetite Single-crystal at Low Temperatures (Magnitnaya anizotropiya i poteri na gisterezis vo vrashchayushchikhsya magnitnykh polyakh v monokristalle magnetita pri nizkikh temperaturakh)

PERIODICAL: Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, 1958 Vol 22, Nr 10, pp 1200 - 1204

ABSTRACT: In the present paper the author investigated hysteresis losses in rotating magnetic fields for the case of various fields and temperatures. In order to explain the formation of the hysteresis losses in rotating fields of a magnetite monocrystal cooled down below the transformation temperature in the absence of the magnetic field an equally probable distribution of the c-axes must be considered. In such a crystal a displacement of the boundaries between the domains of the mosaic structure is also possible. In this case an increase of the hysteresis losses at increasing temperature and a maximum near 170° is found. The dependence of this maximum on the field can also be explained by the displace-

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Magnetic Anisotropy and Hysteresis Losses in Rotating Magnetic Fields in a Magnetite Single-crystal at Low Temperatures

SOV/48-22-10-9/23

ment of the boundaries between the domains of the mosaic structure, for a stronger field is capable of causing a stronger displacement of the boundaries. When the samples are cooled in the absence of the field the presence of hysteresis effects at -195° is explained by means of specific processes. As the experiments showed these processes take place in domains of the crystal with a c-axis perpendicular to the rotation plane of the field. Besides the hysteresis in the low temperature phase of magnetite the temperature dependence of the constant of anisotropy of the cubic phase of magnetite in the range +20 ÷ -160° was also investigated (Fig 5). The results agree with the experimental results obtained by Bikford (Ref 5). The author expresses her gratitude to N. L. Bryukhatov for the supervision of the work. There are 5 figures and 6 references, 2 of which are Soviet.

ASSOCIATION: Kafedra fiziki Moskovskogo instituta inshenerov zheleznodorozhnogo transporta (Chair of Physics of the Moscow Institute of Railroad Transportation Engineers)

Card 2/2

MA[illegible]SHA, N.F., [illegible] (USSR) "[illegible] magnetic properties [illegible] magnetite [illegible] temperatures," Moscow, 1960, 4 pp (Moscow Institute of Engineers of [illegible] Railroad Transport [illegible], Moscow [illegible] Univ im M. V. Lomonosov) (KL, 34-60, 120)

NAROYAN, A. K.

"The Dogwood in Armenia." Cand Agr Sci, Inst of Fruit Growing, Acad Sci Armenian SSR, Yerevan, 1954. (KL, No 10, Mar 55)

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

DEMURYAN, G.S.; MARDYAN, A.K.

Mechanical and chemical composition of the cornelliancherry dogwood of Armenia. Izv.AN Arm.SSR.Biol.i sel'khoz.nauki 7 no.1:47-55 Ja '54. (MLRA 9:8)

1. Institut genetiki i selektsii rasteniy AN Armyanskoy SSR.
(Armenia--Dogwood)

MARGYAN, A.K.

[redacted] of some cornelian-cherry dogwood forms of the Armenian S.S.R. [in Armenian with summary in Russian] Izv.AN Arm.SSR.Biol.i sel'khoz.nauki 9 no.6:33-43 Je '56. (MLRA 9:9)
(Armenia--Dogwood)

ACC NR: AP6018231 (A) SOURCE CODE: UR/0416/66/000/002/0062/0064

AUTHOR: Narozhnyy, Ya. (Lieutenant Colonel; Member of Quartermaster Service)

ORG: None

TITLE: Storing potatoes and vegetables in spring and summer

SOURCE: Tyl i snabzheniye sovetskikh vooruzhennykh sil, no. 2, 1966, 62-64

TOPIC TAGS: food preservation, food chemistry, ~~armed force logistics~~

ABSTRACT: Because potatoes and vegetables contain water they are sensitive to extremes of temperature and are very perishable. The quality of root vegetables declines when they are stored, and deteriorates further in the spring when potatoes, onions and root vegetables begin to germinate, thus disrupting the troop supply system. When potatoes sprout they lose half their vitamin content. When exposed to light they lose their taste and can even generate a poisonous compound which is harmful to health. An optimum temperature must be maintained to successfully store potatoes and vegetables. The article describes how to store potatoes and vegetables in the various climatic conditions found in the Soviet Union. More or less exact details of construction of earthen trench systems, materials used for insulation and how to cover stored vegetables with earth are described. The importance of maintaining a temperature below the germination point, especially in spring and summer, is stressed. When this is not possible preservative "M-1" can be used to retard

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ACC NR: AP6018231

growth. Three kilograms of M-1 per ton of potatoes are used. Temperature and humidity parameters for beets, carrots, onions, and other root vegetables are specified. Techniques for storing sauerkraut under various climatic and temperature conditions are discussed.

SUB CODE: 06,15/SUBM DATE: None

Card 2/2

45288

S/207/62/000/006/022/025
E031/E492

AUTHORS: Lyakhov, G.M., Narozhnaya, Z.V. (Moscow)

TITLE: Plane blast waves in soils

PERIODICAL: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fisiki, no.6, 1962, 124-127

TEXT: The waves were produced by placing charges on the surface of the soil and sprinkling the charges with powdered soil. The experiments showed that the intensity of the waves increased with the thickness of this covering, but beyond a certain value thickness had no effect. Two regions of unsaturated sandy soil were chosen, the composition of the sand in one of the regions being given. The experiments took place in dry and rainy weather with moisture contents of the sand: w = 5 - 7% and 10 - 12% in one region and w = 2 - 4% in the other. Tensometers and piezoelectric pick-ups were used to measure the parameters of the waves. Oscillograms were taken of the normal pressure in the first region at small moisture content for distances from the surface varying from 0.5 to 1.3 m which showed the pressure varying from 0.6 to 2.5 (charge density 0.12) kg/cm^2 and distances 0.5 to 2.0 m with pressure varying from 0.8 to 11.0 (charge density 0.25) kg/cm^2. The waves cease to be shock waves for a pressure of 3 to 5 kg/cm^2. The

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Plane blast waves in soils

S/207/62/000/006/022/025
E031/E492

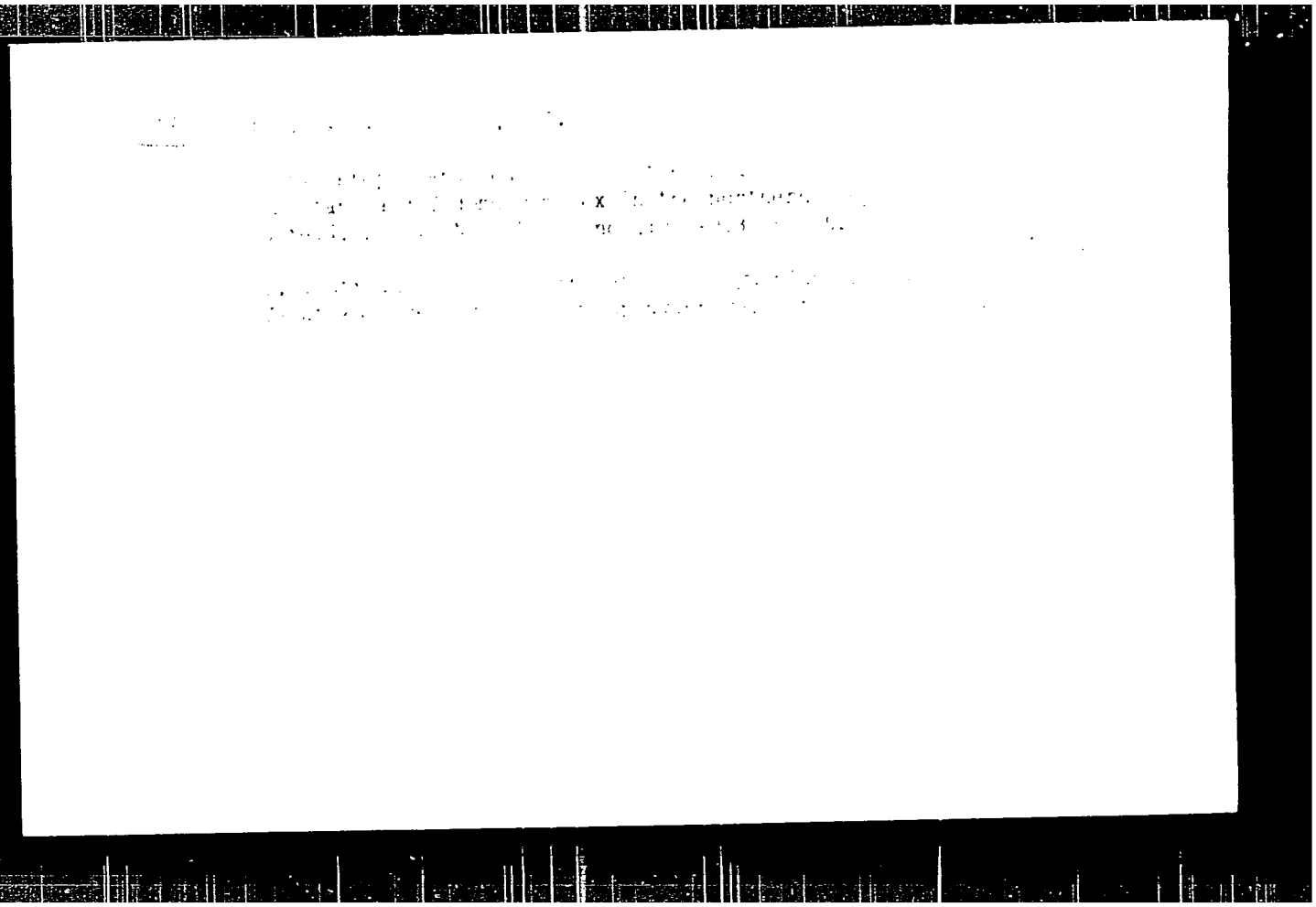
velocity of propagation of the wave front and the maximum pressure were also measured. Both velocities increase with the moisture content. The value of the maximum pressure also increases with the moisture content and an approximate expression is given establishing this variation. Experiments were also undertaken to determine the parameters of spherical waves due to point charges. In the plane waves the normal pressure increased with the moisture content and the corresponding relations were given. Experiments showed that the ratio of side to normal pressure is practically constant for both plane and spherical waves in the interval of pressure studied. A comparison is made of some of the results for water saturated soil. The very much smaller values of the normal pressure and velocity of propagation of the wave front is explained by the unsaturated character of the soil which remains compressible at larger moisture contents than saturated soil. There are 7 figures.

SUBMITTED: May 18, 1962

Card 2/2

NAROZHNAYA, Z.V. (Moskva)

Experimental determination of the speed of unloading in the soil in dynamic processes. Nauch.-tekh. probl. gor. i vzryva no.1: 88-92 '65. (MIRA 18:9)

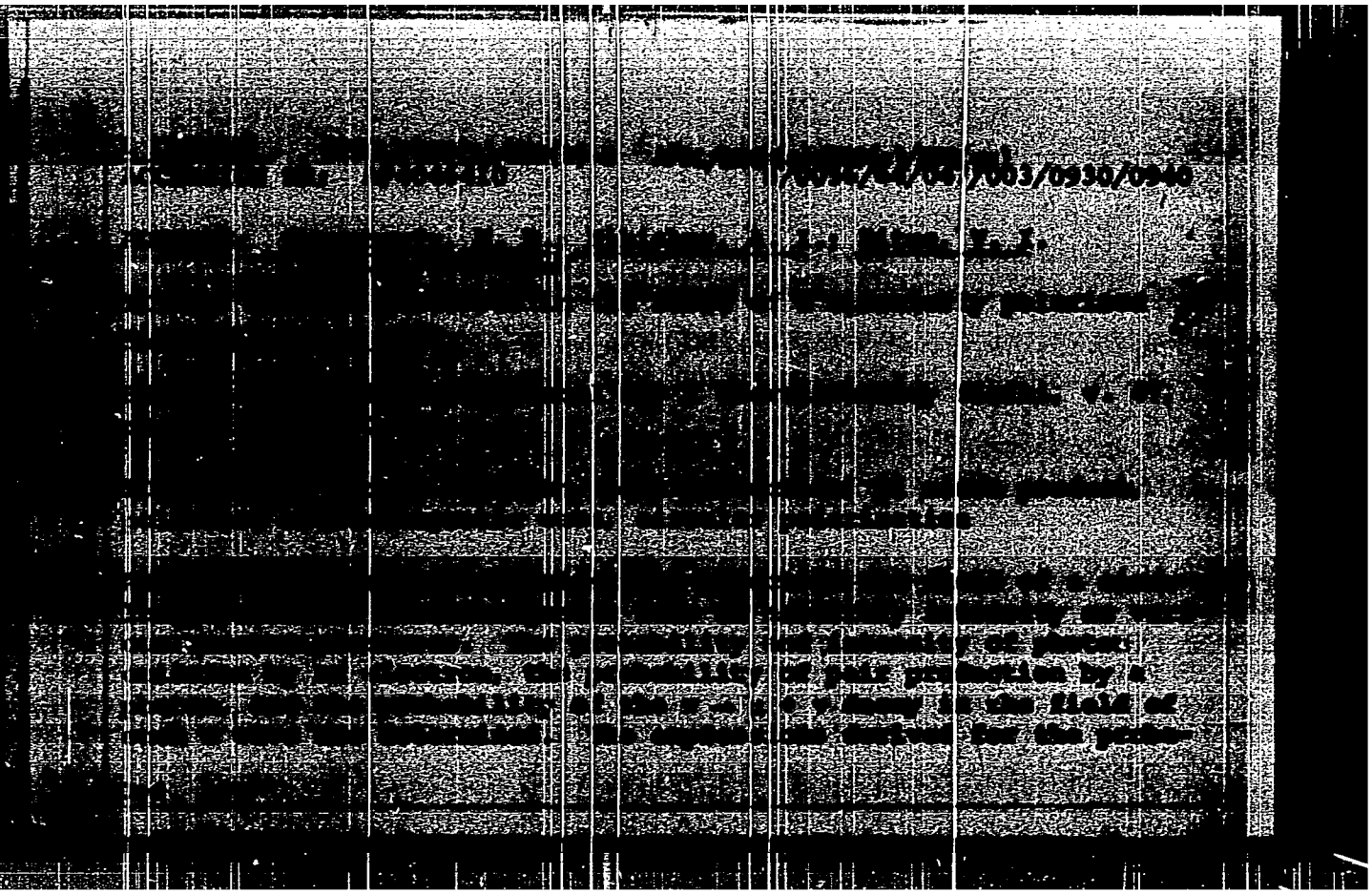


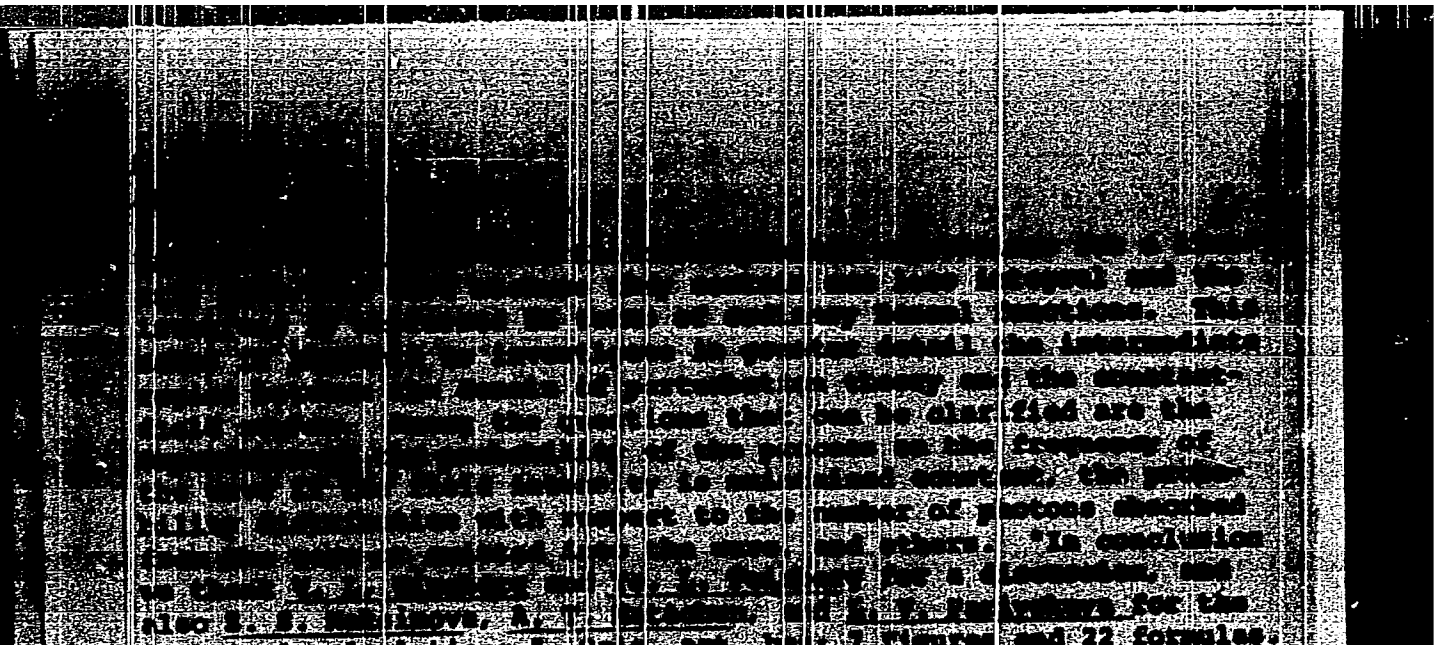
APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001136110003-5"

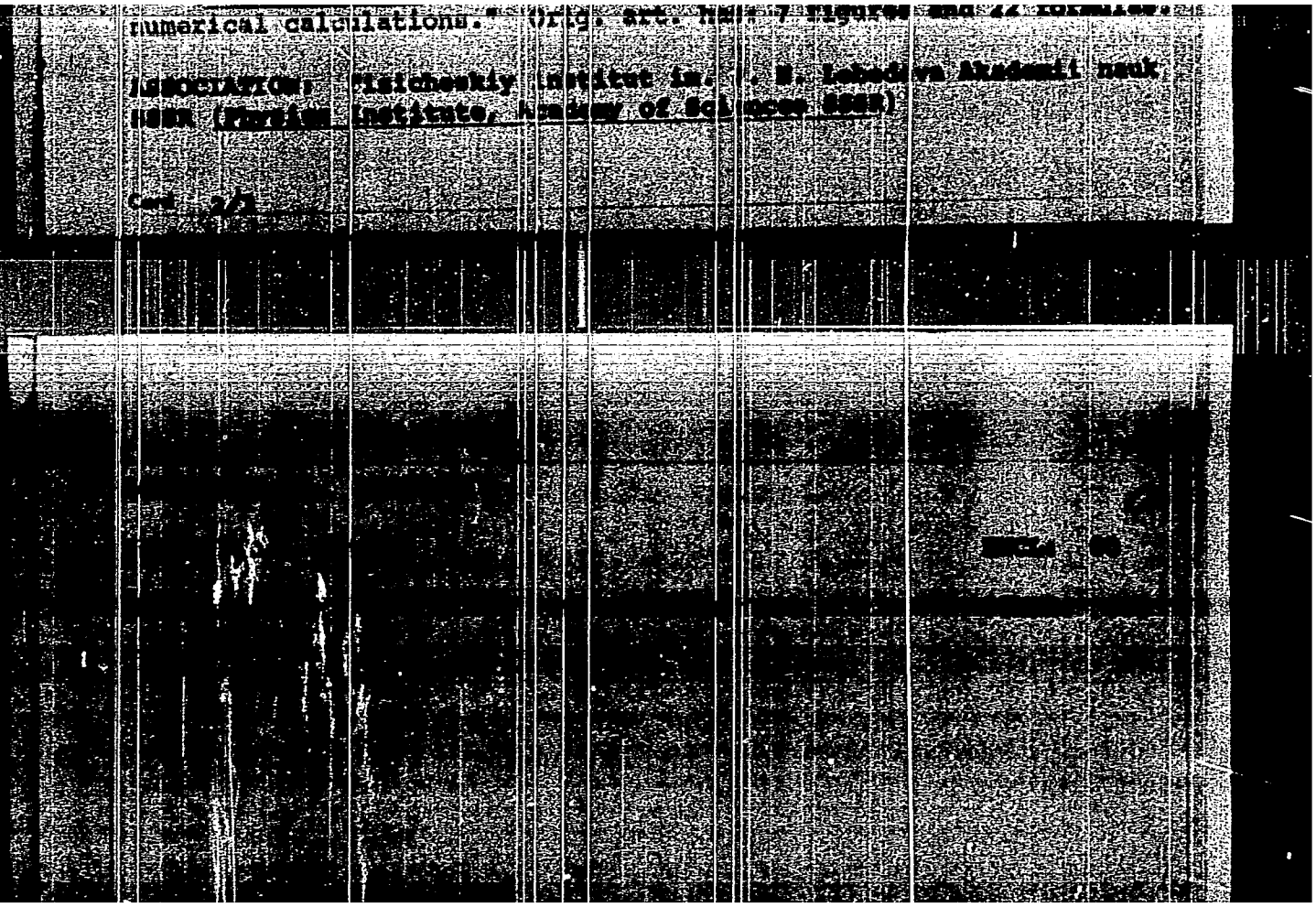
NAROZHNYY, N.

Green light to advanced technology. Grashd.av 17 no.9:1-2 S '60.
(MIRA 13:9)

1. Zamestitel' glavnogo inzhenera Vostochno-Sibirskogo territorial'-nogo upravleniya Grashdanskogo vozdushnogo flota, Irkutsk.
(Aeronautics, Commercial)







numerical calculations. Orig. art. has: 7 figures and 42 formulas.

[illegible] Fizicheskiy institut im. P. N. Lebedeva Akademii nauk SSSR (Physical Institute, Academy of Sciences USSR)

Card 2/2

SARATOVTSEVA, R.G.; SAFRONOV, V.I.; DEKAPOLITOV, I.P. (Kiyev);
NAROZHNYY, V.B., inzh.; BERDICHEVSKIY, L.N., inzh. (Novosibirsk)

Concerning the article "Uniform safety engineering regulations for electric power distribution networks." Energetik 13 no.11:33-34 N '65. (MIRA 18:11)

1. Starshiy inzh. PTE Kaliningradenergo (for Saratovtseva). 2. Nachal'nik slushby setey REU Kaliningradenergo (for Safronov). 3. Nachal'nik Darnitskogo setovogo rayona Yugo-Zapadnoy zheleznoy dorogi (for Dekapolitov). 4. Kiyevenergo (for Narozhnyy). 5. Priobskiye seti (for Berdichevskiy).

WOJEWSKI, Alfons; NAROZNIK, Kazimierz

Attempted diagnosis of prostatic cancer with the aid of P32.
Polski przegl. chir. 33 no.11a:1400-1407 '61.

1. Z Osrodka Izotopowego Zakladu Radiologii PAM w Szczecinie Kierownik: prof. dr C. Muresynski i z Oddzialu Urologicznego PAM Kierownik: zast. prof. dr A.Wojewski.
(PROSTATE neopl) (PHOSPHORUS radioactive)

MURCZYNSKI, Czesław, MIKOSZA [illegible] SIPNIEWSKA, Maria,
TUSTANOWSKI [illegible]

[illegible]

1. Z Zakładu Radi[illegible] (Kier. [illegible] Cz. Murczyński)
z Zakładu Fizyk[illegible] (Kier. [illegible]) PAM w S[illegible].

*

MURCZYNSKI, Czesław; MIKOSZA, Henryk; KRÓL, Stefan; SZYMAŃSKA, Maria
RUSTANOWSKI, Stanisław; NARCZYK, Kazimierz

Respiratory function tests with thulium-170. Pol. arch. med. wewnet. 31 no.6:731-735 '61

1. Z Zakładu Radiologii Pomorskiej Akademii Medycznej w Szczecinie (Kierownik: prof. dr. Cz.Murczyński) i z Zakładu Fizyki Pomorskiej Akademii Medycznej w Szczecinie (Kier.: wykł. dr. inż. H. Mikosza).

BUGAYETS, A.N.; MARSEYEV, V.A.

Prospecting significance of the halos of dispersion of rare metals in granite massifs of the Chingis-Tau. Trudy SNIIGGIMS no.25:178-186 '62. (MIRA 16:4)
(Chingis-Tau--Metals, Rare and minor) (Chingis-Tau--Granite--Analysis)

NARSEYEV, V.A.; BUGAYETS, A.N.

Phosphorus content in granitoids of the Kalba Range. Vest.An Kazakh. SSR 19 no.2: 30-35 F '63. (MIRA 16:5)

(Kalba Range--Rocks)

NARBEYEV, T.A.

Role of [illegible] in the formation of salts and groundwaters. transport of matter. Vest. AN Kazakh. SSR 20 no.8:44-49 Ag '64.
(MIRA 17:9)

KAGAN, B.M.(Moskva); NARSIDZE, K.M. (Moskva)

Two-phase asynchronous motors with thin-walled rotors used as servomotors and speed-voltage generators. Avtom. i telem. 14 no.2:177-187 Mr-Ap '53. (MLRA 10:3)
(Servomechanisms) (Electric motors, Induction)

KAKAURIDZE, E.M.; MARSIYA, A.A. (Tbilisi)

Fibroserous action of barite. Gig. truda i prof. zab. 4 no.12: 43-45 D '60. (MIRA 15:3)

1. Respublikanskiy nauchno-issledovatel'skiy institut gigiyeny truda i professional'nykh zabolevaniy imeni N.I. Makhviladze Gruzinskoy SSR.

(FIBROSIS)
(BARITE---PHYSIOLOGICAL EFFECT)

NARSIYA, A. G.

NARSIYA, A. G. — "Morphological Changes in the Organs (Liver, Pancreas, Kidneys, Suprarenal Galnds, Cardiac and Skeletal Muscles) in Experimental Alimentary Dystrophy." Georgian State Publishing House for Medical Literature. Tbilisi State Medical Inst. Tbilisi, 1955. (Dissertation for the Degree of Candidate in Medical Sciences).

So.: Knizhnaya Letopis', No. 6, 1956.

MGELADZE, T.G.; NARSIYA, A.G. (Tbilisi)

Clinical and experimental study of the effect of lithopone dust on the lungs. Gig. truda i prof. zab. 4 no.3:51-53 Mr '60. (MIRA 15:4)

1. Institut gigiyeny truda i professional'nykh zabolevaniy Ministerstva zdravookhraneniya Gruzinskoy SSR.
(LITHOPONES—PHYSIOLOGICAL EFFECT) (LUNGS—DUST DISEASES)

KIPIANI, S.P.; NARSIYA, A.G. (Tbilisi)

Clinical and experimental characteristics of andesite pneumoconiosis. Gig.truda i prof.zab. no.11:38-44 '61. (MIRA 14:11)

1. Respublikanskiy nauchno-issledovatel'skiy institut gigiyeny truda i profzabolevaniy imeni N.I. Makhviladze Ministerstva zdravookhraneniya Gruzinskoy SSR.
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MGELADZE, T.G.; NARSIYA, A.G.

Clinical X-ray picture in lithopone pneumoconiosis. Vest. rent. i rad. 36 no.5:60-61 S-O '61. (MIRA 15:1)

1. Iz Instituta gigiyeny truda i profzabolevaniy Ministerstva zdravookhraneniya Gruzinskoy SSR (dir. prof. G.Z.Pitskhelauri).
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NARSIYA, A.G., kand.med.nauk

Scientific session of the Scientific Research Institute of Roentgenology and Medical Radiology of the Ministry of Public Health of the Georgian S. S. R. Vest. rent. i rad. 37 no.1: 85-86 Ja-F '62. (MIRA 15:3)
(RADIOLOGY, MEDICAL--CONGRESSES)

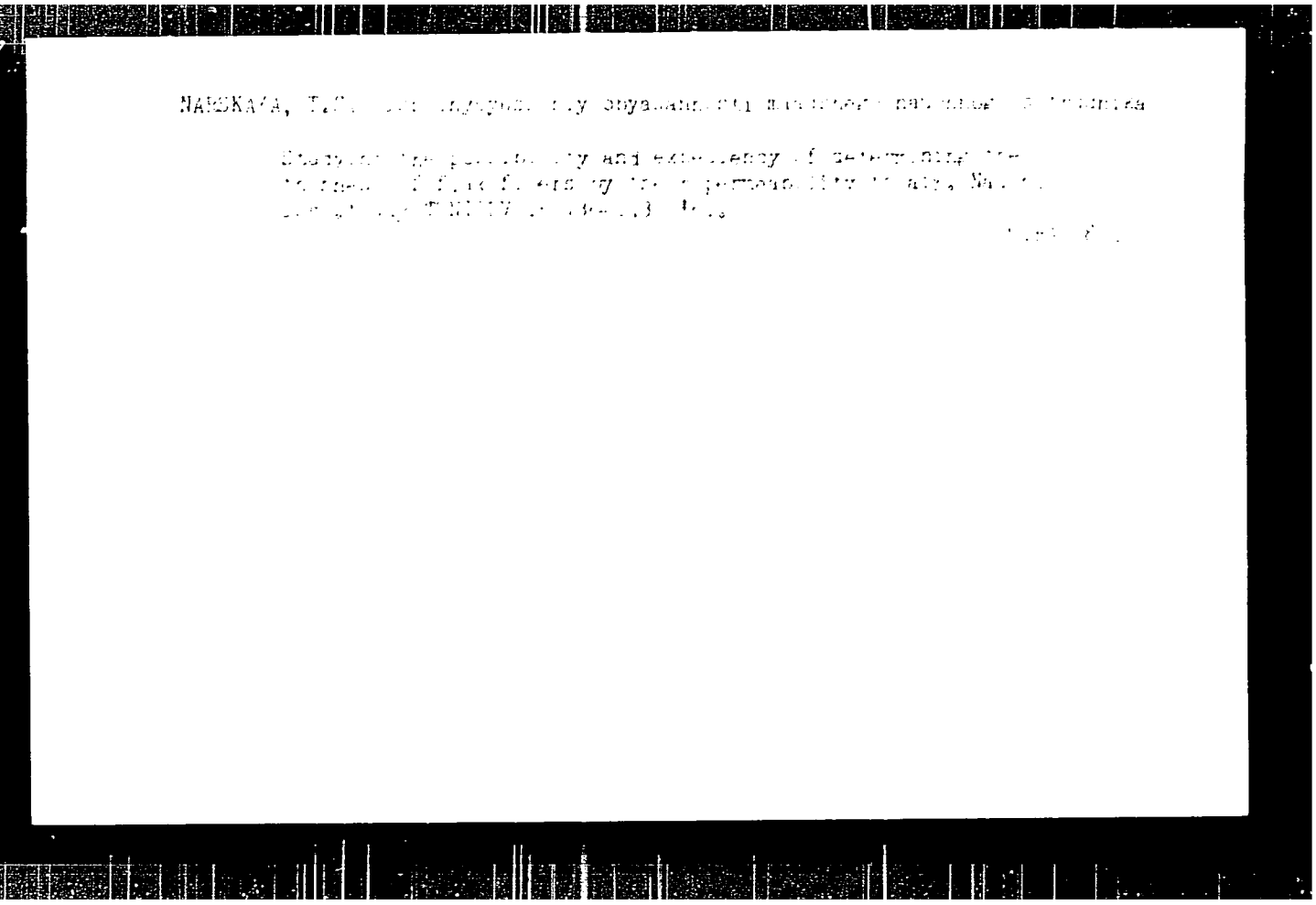
MARSIYA, M.

Present state and prospective development of the mixed feed industry in Georgia. Muk.-elev.prom. 25 no.7:19-20 Jl '59. (MIRA 12:11)

1. Nachal'nik glavnogo upravleniya khleboproduktov pri Sovete Ministrov Gruzinskoy SSR.
(Georgia--Flour and feed trade)

NARSIYA, Nodar Vladimirovich

[Mechanical drawing in connection with industrial production; manual for specialized secondary educational institutions] [Inzhenernaia grafika v sviazi s proizvodstvom; uchebnoe posobie dlia srednikh spetsial'nykh uchebnykh zavedenii. Tbilisi, TSodna] 1964. 169 p. [In Georgian]
(MIRA 18:7)



MARSKAYA, Ye. V.

USSR/Medicine - Leptospirosis, Epidemiology FD-2597

Card 1/1 Pub. 148 - 8/25

Author : Karaseva, Ye. V.; Marskaya, Ye. V.; and Ananyn, V. V.

Title : Results of improving the sanitary condition of a natural reservoir of non-icteric leptospirosis

Periodical : Zhur. mikro. epid. i immun. 4, 37-40, Apr 1955

Abstract : The epidemiology of a natural reservoir of non-icteric Leptospirosis in the vicinity of Lake Nero in Rostovskiy Rayon, Yaroslavskaya Oblast is described. Remedial measures designed to eliminate this reservoir over a four year period are discussed. The article is illustrated by three charts. Six Soviet references are cited.

Institution : Institute of Epidemiology and Microbiology imeni Gamaleya (Director - G. V. Vygodchikov)

Submitted : December 31, 1954

MARSKAYA, Ye. V.

KARASEVA, Ye.V.; MARSKAYA, Ye.V.; BERNSHTEYN, A.D.

The field vole Microtus oeconomus inhabiting the region of Lake Nero in Yaroslavl Province [with summary in English]. Biul.MOIP.Otd.biol. 62 no.3:5-18 My-Je '57. (MLRA 10:8)
(NERO REGION--FIELD MICE)

NARSKIKH, I. I.

6867. Bushe, N. A. i Narskikh, I. I. Ulcnsheniye raboty podshipnikov dvigateley teplovozov. M., Transzheldorizdat, 1954. 20s. s ill. 21 sm. (Vsesoyuz. Nauch. -- issled. in-t sh.-d. transporta. Inform. pis'mo. No. 323) 1.000 ekz. Bespl. -- Na obl. avt. ne ukazany. -- (5'-149zh) 621.431.72-233.2

SO: Knizhnaya Letopis' No. 9, 1955

NARSKIKH, I.I.

PLATONOV, Ye.V.; NARSKIKH, I.I.

Results of diesel locomotive traction and heat engineering tests.
Trudy TSNII MPS no.87:162-171 '54. (MLRA 8:3)
(Diesel locomotives—Testing)

TSAREGRADSKIY, V.A., kandidat tekhnicheskikh nauk; MARSKIKH, I.I., kandidat tekhnicheskikh nauk; STRUSEVICH, M.A., kandidat tekhnicheskikh nauk; SHADIKYAN, V.S., kandidat tekhnicheskikh nauk.

On the life of diesel oil in D50 engines of the TE diesel locomotives. Vest.TSNII MPS 15 no.2:28-30 S '56. (MLRA 9:12)
(Diesel fuels--Testing)

NARSKIKH, I.I.

VOLODIN, A.I., kandidat tekhnicheskikh nauk; NARSKIKH, I.I., kandidat tekhnicheskikh nauk; KHOMICH, A.Z., inzhener.

Device for measuring wear in crankshaft journals. Vest.TSNII MPS no.2:58-59 Mr '57. (MLRA 10:4)
(Bearings(Machinery))(Diesel locomotives)

NARSKIKH, I. I.

VASIL'YEVA, V.V., insh.; NARSKIKH, I.I., kand. tekhn. nauk; TSAREGRADSKIY, V.A., kand. tekhn. nauk.

Evaluating filterability of diesel locomotive oil additives. Vest. TSNII MPS 17 no.2:24-26 Mr '58. (MIRA 11:4)
(Diesel locomotives--Lubrication)

BUSHE, N.A., kand.tekhn.nauk; MARSHIKH, I.I., kand.tekhn.nauk

Experience in using BK2 lead babbitt metal in thin-layered engine bearings. Trudy TSNII MPS no.157:167-171 '58.
(Babbitt metal) (Bearings (Machinery)) (MIRA 11:11)

PHASE I BOOK EXPLOITATION SOV/4440

Narskikh, Ivan Ivanovich, Candidate of Technical Sciences, and Kirill Aleksandrovich Shishkin, Professor (Deceased)

Dizel'nyye poyezda i avtomotrisy (Diesel Trains and Rail Motor Cars) Moscow, Transzheldorizdat, 1960. 116 p. 3,000 copies printed.

Ed.: V.D. Sirotenko, Candidate of Technical Sciences; Tech. Ed.: M.A. Medvedeva.

PURPOSE: This book is intended for engineering and technical workers.

COVERAGE: The book contains a general description of the diesel trains and rail motor cars used on railroads of the USSR and information regarding their operation and maintenance. Principal trends in the development of diesel trains and rail motor cars are discussed. A list of 19 types of diesel trains and rail motor cars operating on USSR railroads is included. The authors have used materials from the Vsesoyuznyy nauchno-issledovatel'skiy institut zheleznodorozhnogo transporta MPS (TsNII MPS) (All-Union Scientific Research Institute of Railroad Transportation of the Ministry of Railroads) in addition to the materials listed in the bibliography. The book is dedicated to Aleksey Iosifovich Volodin. Chs. I and V were written by Prof. K.A. Shishkin (deceased), Honored Scientist and Technician of the RSFSR. Ch. II was written by I.I. Narskikh, Winner of the

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Stalin Prize, Candidate of Technical Sciences, and Chs. III and IV were written by B.M. Lerner, Engineer, with I.I. Narskikh assisting in their preparation. There are 20 references: 17 Soviet, 2 German and 1 English.

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2. The diesel engine and its auxiliary equipment 29
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Ch. III. Operation of Diesel Trains
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Diesel Trains (Cont.) SOV/4440

3. Duties of crews responsible for maintenance and servicing of diesel trains 89
4. Inspection and servicing of diesel trains 90

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Ch. V. Diesel Trains and Rail Motor Cars in Foreign Countries

AVAILABLE: Library of Congress

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AC/wrc/sfm
10/25/60

MARSKIKH, I. I.

PHASE I BOOK EXPLOITATION SOV/5053

Vsesoyuznaya konferentsiya po treniyu i iznosu v mashinakh. 3d, 1958.

Iznos i iznosostoykost'. Antifrikstionnyye materialy (Wear and Wear Resistance. Antifriction Materials) Moscow, Izd-vo AN SSSR, 1960. 273 p. Errata slip inserted. 3,500 copies printed. (Series: Its: Trudy, v. 1)

Sponsoring Agency: Akademiya nauk SSSR. Institut mashinovedeniya.
Resp. Ed.: M. M. Khrushchov, Professor; Eds. of Publishing House: N. Ya. Eliseyev, and S. L. Ogale; Tech. Ed.: F. V. Polyakova.

PURPOSE: This collection of articles is intended for practicing engineers and research scientists.

COVERAGE: The collection published by the Institut mashinovedeniya, AN SSSR (Institute of Science of Machines, Academy of Sciences USSR) contains papers presented at the III Vsesoyuznaya Konferentsiya po treniyu i iznosu v mashinakh (Third All-Union Conference on Friction and Wear in Machines) which was held April 9-15, 1958. Problems discussed were in 5 main areas: 1) Hydrodynamic Theory of Lubrication and Friction Bearings (Chairman: Ye. S. Ostrya, Doctor of Technical Sciences, and A. K. Dyachkov, Doctor of Technical Sciences); 2) Lubrication and Lubricant Materials (Chairman: O. V. Pinegredov, Doctor of Chemical Sciences); 3) Dry and Boundary Friction (Chairman: B. V. Deryagin, Corresponding Member of the Academy of Sciences USSR, and Z. V. Kragel'skiy, Doctor of Technical Sciences); 4) Wear and Wear Resistance (Chairman: M. M. Khrushchov, Doctor of Technical Sciences); and 5) Friction and Antifriction Materials (Chairman: I. V. Kragel'skiy, Doctor of Technical Sciences, and M. M. Khrushchov, Doctor of Technical Sciences). Chairman of the general assembly (on the first and last day of the conference) was Academician A. A. Blagonravov, L. Ya. Pruzhanskiy, Candidate of Technical Sciences, was scientific secretary. The transactions of the conference were published in 3 volumes, of which the present volume is the first. This volume contains articles concerning the wear and wear resistance of antifriction materials. Among the topics covered are: modern developments in the theory and experimental science of wear resistance of materials, specific data on the wear resistance of various combinations of materials, methods for increasing the wear resistance of certain materials, the effects of friction and wear on the structure of materials, the mechanics of the scoring of metals, the effect of various types of lubricating materials on scoring, abrasive wear of a wide variety of materials and components under many different conditions, modern developments in antifriction materials, and the effects of finish machining on wear resistance. Many personalities are mentioned in the text. References accompany most of the articles.

Goncharenko, V. G. Some Results of an Investigation of the Quality of Piston Rings of Diesel Motors Used in Automotive Tractors 208

Kuzin, N. F., and N. M. Sokolova. Isothermal Wear of Steels as a Result of Their Interaction With a Polishing Abrasive 216

Parkinson, J. J., and A. I. Voloshin. Analysis of the Wear of the Crankshaft of a D-50 Diesel Locomotive, and Systematic Methods for Measuring the Wear 221

Pugachov, V. V. Surface Finish of the Flanges of the GAZ-51 Automobile Crankshaft and Bearing Bushings 225

Kaplunskiy, E. V. On Problem of the Relationship Between the Abrasive Wear of Metals and the Strength Properties of the Lattice 230

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7

BUSHE, N.A., kand. tekhn. nauk; MARSKIKH, I.I., kand. tekhn. nauk;
BABAYEV, N.K., aspirant; ZAGORYANSKIY, Yu.A., inzh.

Testing of aluminum alloy bearings for diesel locomotive engines.
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(for Babayev).