L 10744-66
ACCESSION NR: AP5023484 O

estimate of levelling precision, a reduction of the levelling data to a single initial levelling epoch was made first, solving a system of simultaneous linear equations established by equating the most probable superelevations with the differences between the observed superelevations and products of epoch time(years) and the most probable vertical velocity. The results were used for the determination of the RMS summary error of the double levelling process, per kilometer of the traverse. This error was found to be: plus or minus .49 millimeters/kilometer. A lifting of the Peter the Great range with respect to the Gissarskiy range has been found, perturbed by large local movements. The methodology was found suitable for studies of vertical movements of the earth's surface in high mountains, where the conditions for levelling surveys are particularly difficult. The orig. art. has: 2 figures, 1 table and 5 formulas.

ASSOCIATION: TsNIIGAiK

SUBMITTED: 00 ENCL.: 00 SUB CODE: 08

NO REF SOV: 001 OTHER: 000

Card 2/2 pw

L 3589-66 EWT(1)
ACCESSION NR: AP5023485

UR/0006/65/000/009/0021/0026
528.541.2

AUTHOR: Meshcherskiy, I. N. 44,55

26
B

TITLE: Investigation of the Koni 025 level

SOURCE: Geodeziya i kartografiya, no. 9, 1965, 21-26

TOPIC TAGS: geodetic instrument, surveying instrument, leveling instrument, level 12,44,55 12,44,55

ABSTRACT: One of the self-indexing Koni 025 levels, developed in early 1963 at the Karl Zeiss (Jena) Plant, has been laboratory- and field-tested by the Central Scientific Research Institute of Geodesy, Aerial Surveying, and Cartography to determine the range, accuracy, and ease of operation of the level. The instrument tested out as follows: 1) error in self-indexing in the horizontal position, tilted at angles up to ±14', less than ±0".5; 2) when the level was tilted in the longitudinal and transverse directions, the pointing line remained essentially constant; 3) depending on the length of the leveling line and the tilt of the instrument, rod readings and relative elevation reading changes were of the order of 1—2 mm. Accuracies achieved in running third- and fourth-order leveling lines in the field are presented in tabular form (See Table 1 of Enclosure) and indicate that this level is sufficiently accurate for executing third- and fourth-

Card 1/3

L 3581-66
ACCESSION NR: AP5023485

order leveling (mean square error per km of line, ±2—3 mm). Orig. art. has: 3 figures and 4 tables. [ER]

ASSOCIATION: none

SUBMITTED: 00 ENCL: 01 SUB CODE: ES

NO REF SOV: 001 OTHER: 000 ATD PRESS: 4116

Card 2/3

L 3589-66
ACCESSION NR: AP5023485 ENCLOSURE: 01

Table 1. Results of field investigations of the Koni 025 leveling instrument

Order	L, km	m_Δ, mm	m_f, mm	m_d, mm	m_{mean}, mm
III	21	±2,4	±1,3	±1,4	±1,7
IV	18	±2,5	±0,6	±2,1	±1,7

Card 3/3

L 47109-66 EWT(1) GW
ACC NR: AR6019886 (A) SOURCE CODE: UR/0169/66/000/002/G024/G024

AUTHOR: Meshcherskiy, I. N.

TITLE: Repeated leveling at the TSNIIGAiK polygon

SOURCE: Ref. zh. Geofizika, Abs. 2G150

REF SOURCE: Sb. Sovrem. dvizheniya zemn. kory. Tarty, no. 2, 1965, 261-266

TOPIC TAGS: leveling, polygon

ABSTRACT: In 1958, 1960 and twice in 1963, leveling operations were carried out on class 1 of 34 standard reference points to appoint the TSNIIGAiK test polygon in the Moscow area, with a perimeter of approximately 9 kilometers. This made it possible to evaluate the accuracy of leveling small polygons and the stability of the standard reference points, established under various engineering and geological conditions. The total error of leveling, derived from the differences

Card 1/2 UDC: 550.342

L 47109-66
ACC NR: AR6019886

of exceeding direct and inverse lines, from the discrepancies of polygons and from the results of repeated measurements turned out to be equal to ± 0.40, ± 0.50 and ± 0.53 mm/km, respectively. [Translation of abstract] [FM]

SUB CODE: 08/

hs

Card 2/2

L 05145-67 EWT(1) GW

ACC NR: AR6019789 SOURCE CODE: UR/0270/66/000/002/0026/0026

14
13

AUTHOR: Meshcherskiy, I. N.

TITLE: Repeated levelings on the polygon TsNIIGA & K

SOURCE: Ref. zh. Geod, Abs. 2.52.205

REF SOURCE: Sb. Sovrem. dvizheniya zemn. kory. No. 2. Tartu, 1965, 261-266

TOPIC TAGS: geodetic survey, geodetic leveling, ~~geodetic leveling precision~~, geodetic bench mark stability, GEODYNAMICS

ABSTRACT: Repeated levelings accomplished in 1958, 1960 and twice in 1963 on 34 Ist class bench marks defining the research polygon TsNIIGA & K in the Submoscow region (polygon perimeter about 9 km), permitted an estimate of precision in the leveling of the small polygons and of the stability of the standard bench marks established under various geological conditions. The total error of leveling, determined on the superelevation differences of direct and reverse traverses, on the non-coincidence of the polygons, and on the results of repeated determinations worked out to be, respectively, +/-.40, +/-.50 and +/-.53 mm/km. Only one bench mark was found unstable, having changed its height in 5 years by 43.1 mm, although 5 adjacent bench marks, established in analogous ground conditions, kept their height unchanged. It was learned that superelevations between many fundamental and sattelite bench marks of the state net changed during 20 years 5 mm and more. It is proposed to strengthen some node points of the state

UDC 528.381.088:528.388

Card 1/2

L 06145-67

ACC NR: AR6019789

net by 5 - 6 bench marks and repeatedly level them several times between the repetition of the lines. [Translation of abstract].

SUB CODE: 08

Card 2/2 mlE

ACC NR: AT6011150 SOURCE CODE: UR/3197/65/000/002/0257/0260

AUTHOR: Entin, I. I.; Meshcherskiy, I. N.

ORG: Central Scientific Research Institute of Geodesy, Aerial Surveying and Cartography (Tsentral'nyy nauchno-issledovatel'skiy institut geodezii, aeros"yemki i kartografii

TITLE: Vertical movements of the earth's surface in the Surkhob River Valley

SOURCE: AN EstSSR. Institut fiziki i astronomii. Sovremennyye dvizheniya zemnoy kory. Recent crustal movements, no. 2, 1965, 257-260

TOPIC TAGS: epeirogeny, geodetic leveling, repeated leveling, high precision leveling, crustal deformation, aerial survey, cartography / Surkhob River

ABSTRACT: An analysis is made of values derived from high-precision leveling repeated annually over the 5-yr period 1957—1961 and in 1964 by the Central Scientific Research Institute of Geodesy, Aerial Surveying, and Cartography (TsNIIGAiK) in the Nemich and Garm sections of the Surkhob River. It is shown that the Peter I Range rose in both areas in relation to the Gissar Range. In the Nimich section, the rate approaches 1 mm/yr and is slightly greater in the western than in the eastern section. In the Garm section, the rates of rise of the Peter I

Card 1/2

ACC NR: AT6011150

Range in the western and eastern areas are 2—3 mm/yr and 11.5 mm/yr, respectively, a significant difference. During the period 1957—1964, the rate and direction of movements remained essentially unchanged in all areas except one, the western part of the Garm section. Orig. art. has: 1 table. [SI]

SUB CODE: 08/ SUBM DATE: none/ ORIG REF: 001

Card 2/2

MESHCHERSKIY, Ivan Vsevolodovich; LUK'YE, A.I., red.; LEVANTOVSKIY, V.I., red.

[Collection of problems on theoretical mechanics] Sbornik zadach po teoreticheskoi mekhanike. Izd.29. stereotipnoe Moskva, Izd-vo "Nauka," 1964. 384 p. (MIRA 17:12)

MESHCHERSKIY, M.D., inzh.

Mechanized repair of wooden frames. Mekh. i avtom. proizv. 17 no. 4:25-26 Ap '63. (MIA 17:9)

AUTHORS: Sizov, K.P., Meshcherskiy, M.D., Engineers SOV-118-58-8-20/24

TITLE: Tilter for the Bodies of Four Axle Gondola Cars (Kantovatel' dlya kuzovov chetyrekhosnykh poluvagonov)

PERIODICAL: Mekhanizatsiya trudoyëmkikh i tyazhëlykh rabot, 1958, Nr 8, pp 40-41 (USSR)

ABSTRACT: The Kanashskiy vagonoremontnyy zavod (The Kanash Railroad Car Repair Plant) has constructed a tilting device to simplify the repair work of four axle gondola cars. This tilter consists of two transverse grapples suspended on two bridge cranes. Each gondola car is turned upside down and workers have easy access to all parts of the car. Other plants are at present constructing such tilters, the use of which reduces repair costs.
There are 3 photos.

1. Railroads--Maintenance 2. Tracked vehicles--Maintenance

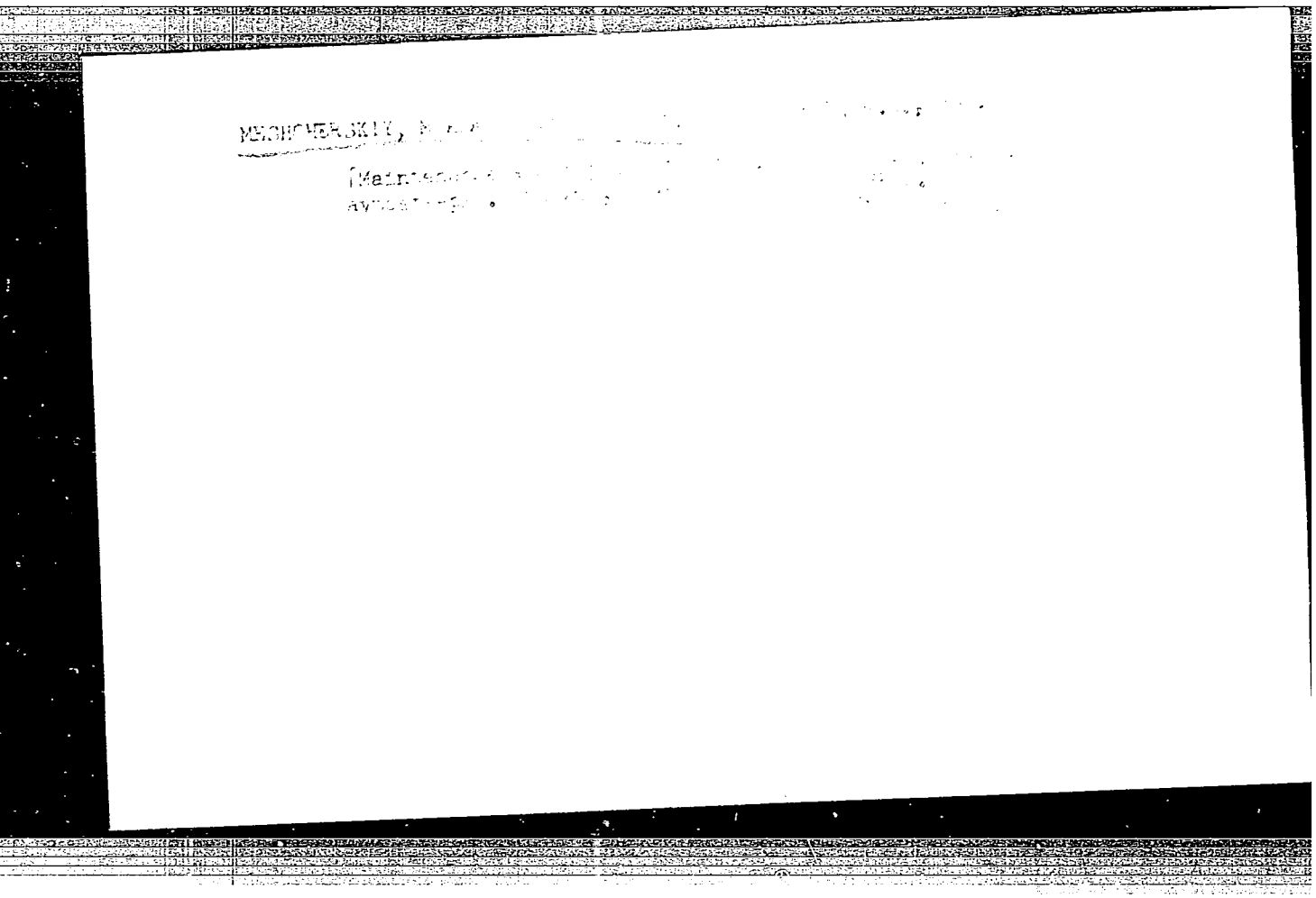
Card 1/1

MESHCHERSKIY, M.D., inzh.; ROZINSKIY, F.B., inzh.

Mechanizing the repairing of railroad cars. Mekh.i avtom.proizv. 16 no.8:17-18 Ag '62. (MIRA 15:9)
(Railroads--Cars--Maintenance and repair)

MESHCHERSKIY, M.D., inzh.

Automatic machine for lock joining of iron sheets. Mekh.i avtom.proizv. 16 no.2:46 F '62. (MIRA 17:3)

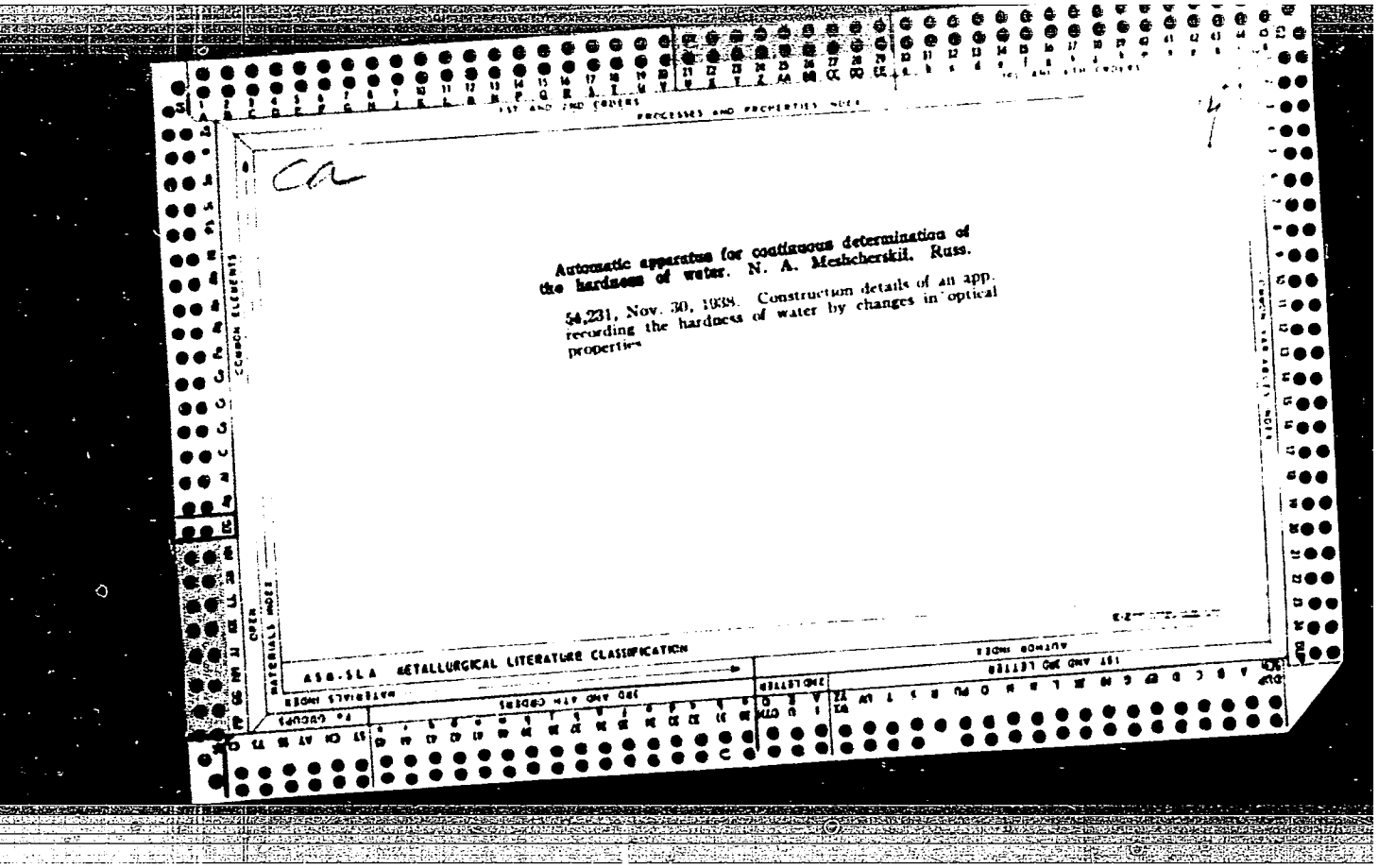


MESHCHERSKIY, M. N.

Wardian Cases

Indoor electric hothouse.
Est. v shkole No. 1, 1952.

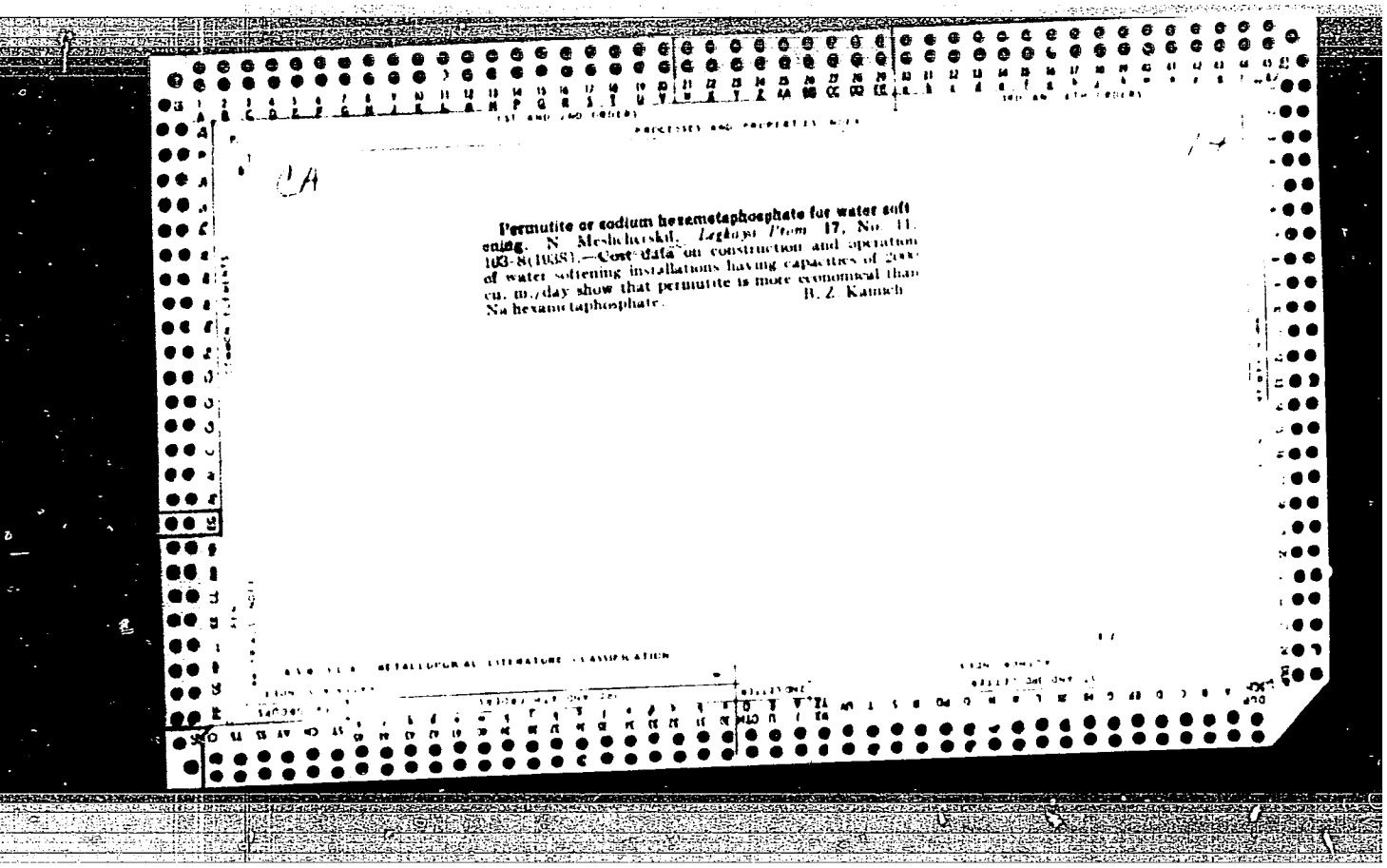
9. Monthly List of Russian Accessions, Library of Congress, April 1952. UNCLASSIFIED.



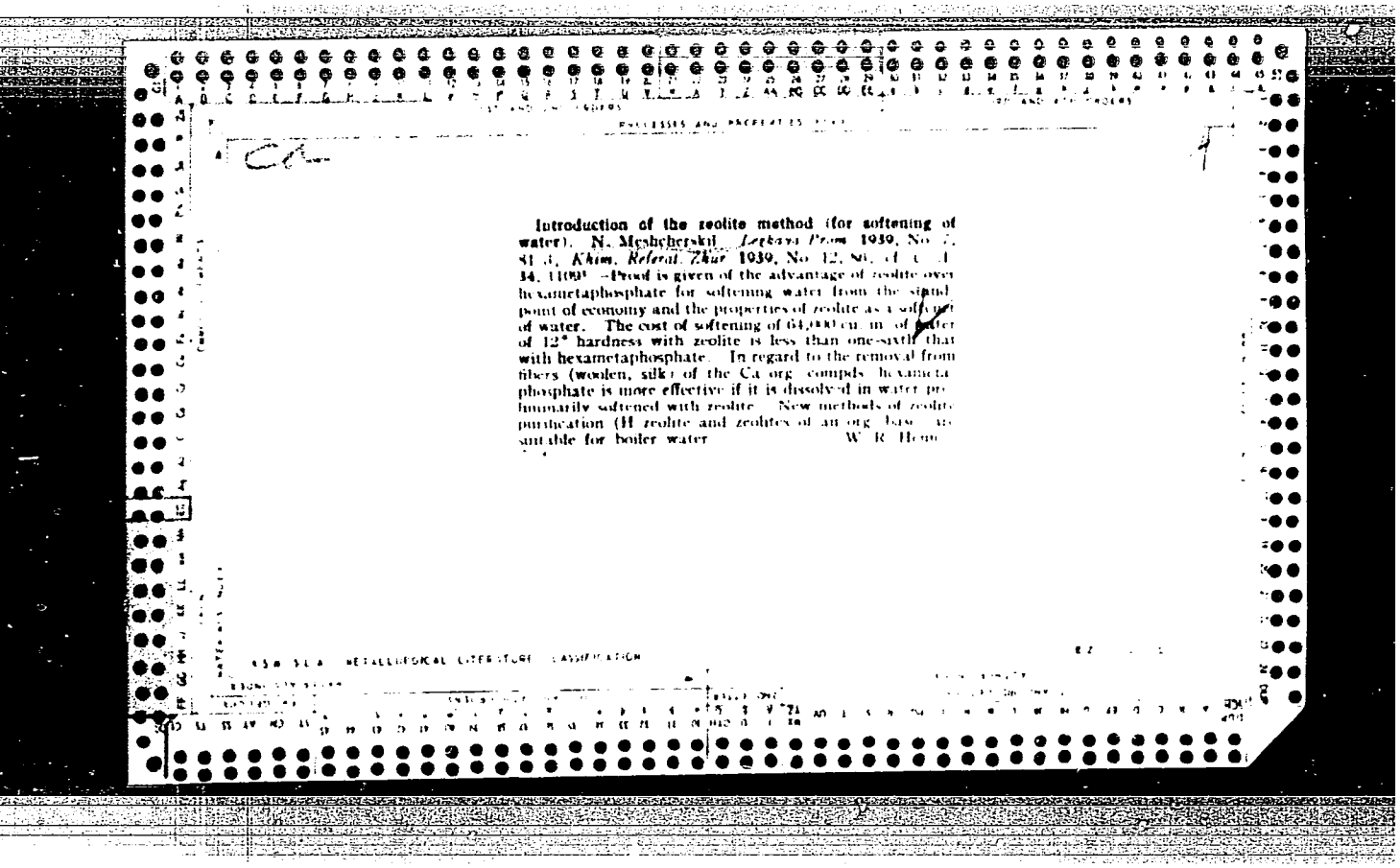
Automatic apparatus for continuous determination of the hardness of water. N. A. Meshcherskii. Russ.

56,231, Nov. 30, 1938. Construction details of an app. recording the hardness of water by changes in optical properties

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



Permutite or sodium hexametaphosphate for water soft ening. N. Meshcherskii. *Teploen. Prom.* 17, No. 11, 103-8(1938).—Cost data on construction and operation of water softening installations having capacities of 2000 cu. m./day show that permutite is more economical than Na hexametaphosphate. B. Z. Kamich



Introduction of the zeolite method (for softening of water). N. Meshcheryakil. *Izvestiya Prom* 1939, No. 7, 81–3; *Khim. Referat. Zhur* 1939, No. 12, 86. cf. C. A. 34, 1108⁸. —Proof is given of the advantage of zeolite over hexametaphosphate for softening water from the standpoint of economy and the properties of zeolite as a softener of water. The cost of softening of 64,000 cu. m. of water of 12° hardness with zeolite is less than one-sixth that with hexametaphosphate. In regard to the removal from fibers (woolen, silk) of the Ca org. compds. hexametaphosphate is more effective if it is dissolved in water preliminarily softened with zeolite. New methods of zeolite purification (H zeolite and zeolites of an org. base) are suitable for boiler water. W. R. Henn

MESHCHERSKIY, N. A.

Instruktsiia po ekspluatatsii mekhanicheskikh fil'trov an elektrostantsiiakh [Instructions on the operation of mechanical filters at electric power stations]. Gosenergoizdat, 1952. 79 p.

SO: Monthly List of Russian Accessions, Vol 6 No 6 September 1953

MESHCHERSKIY, Nikita Alekseyevich; ZHOLKOVSKIY, S.M., redaktor; SKVORTSOV, I.M., tekhnicheskiy redaktor

[Salinometers; their design, operation, and control] Solemery (Ustroistvo, ekspluatatsiia i poverka). Moskva, Gos. energeticheskoe izd-vo, 1954. 135 p. (MLRA 8:4)
(Salinometer)

LYSIKOV, M.G., inzhener; MESHCHERSKIY, N.A., inzhener; SEBRYAKOV, G.Ye., inzhener.

New instruments for the electrometric control of feed water and steam.
Elek.sta. 25 no.3:48-51 Mr '54. (MLRA 7:6)
(Steam boilers) (Automatic control)

USSR/Chemical Technology. Chemical Products and Their Application -- Water treatment. Sewage water, I-11

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 5392

Author: Meshcherskiy, N. A.

Institution: None

Title: Efficient Design and Operation of Water Treating Equipment at Electric Power Stations of Ferrous Metallurgy Installations

Original Publication: Sb. Vopr. proyektirovaniya i ekspluatatsii vodopodgotovit. ustanovok na teplovykh elektrostantsiyakh, M.-L., Gosenergoizdat, 1955, 177-186

Abstract: At small and medium water treatment plants storage of NaCl in liquid form is recommended, with dilution of the saturated solution in the ejector. Milk of lime measuring tanks with a discharge pipe should be changed to more accurate ones with needle valve. In settling tanks that operate by sludge formation height of sediment suspension layer should be ≤2-3 m, surface area of sludge concentration 7-10% of that of the settling tank. Clarification filters should have a

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USSR/Chemical Technology. Chemical Products and Their Application -- Water treatment. Sewage water, I-11

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 5392

Abstract: two-layer filter bed: bottom layer 400-600 mm deep of quartz sand 0.5-1.0 grain size, and a 800-1,500 mm deep top layer of ground anthracite with a grain size of 1-1.5 mm. Washing of filters is preferably carried out with a preliminary blowing with air, for which purpose use can be made of a steam- or air-driven ejector pump.

Card 2/2

MESHCHERSKIY, Nikita Alekseyevich; MAMET, A.P., redaktor; LARIONOV, G.Ye., tekhnicheskiy redaktor.

[Organization of the operation of water processing equipment in industrial steam power plants] Organizatsiia ekspluatatsii vodopodgotovitel'nogo oborudovaniia promyshlennykh teplosilovykh stantsii. Moskva, Gos. energ. izd-vo, 1956. 366 p. (MLRA 9:6)
(Steam power plants)

MESHCHERSKIY, N.A.

USSR /Chemical Technology. Chemical Products and Their Application
Water treatment. Sewage water. H-5

Abs Jour: Referat Zhur - Khimiya, No 1, 1958, 1692

Author : Meshcherskiy N.A.

Title : The Performance of Settling Tanks with Sludge Contact Mixers and of Vortical Reactors.

Orig Pub: Sb.: Issledovaniya po vodopodgotovke. M., Gos. izd-vo lit. po str-vu i arkhitekt., 1956, 136-161

Abstract: On the basis of experimental adjustment work and of the results of studies of sludge-deposit settling tanks, sludge-contact mixers of conventional settling tanks and of vortical reactors, the following conclusions were reached as to the efficient mode of operation: mixing of water with reagents within the sludge layer, maintaining the velocity

Card 1/2

USSR /Chemical Technology. Chemical Products and Their Application
Water treatment. Sewage water. H-5

Abs Jour: Referat Zhur - Khimiya, No 1, 1958, 1692

of water and reagents, at the time of mixing, not below 1-1.5 m/second with subsequent decrease of the velocity, after 3-5 seconds, to 0.1-0.2 m/second and holding the temperature within 10-40°. The described devices for the softening of water by the precipitation method are considered from the standpoint of their economic advantages and of the quality of the purified water. Two new designs are proposed for settling tanks with sludge-contact mixers and sludge packing devices.

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25(5) PHASE I BOOK EXPLOITATION SOV/1536

Meshcherskiy, Nikita Alekseyevich

Ekspluatatsiya vodopodgotovok v metallurgii (Operation of Water Treatment Installations in the Metallurgical Industry) Moscow, Metallurgizdat, 1958. 515 p. 2,700 copies printed.

Ed.: V.M. Simonov; Ed. of Publishing House: A. A. Vagin; Tech. Ed.: M. K. Attopovich.

PURPOSE: This book is intended for processing engineers, laboratory technicians and equipment designers of the chemical industry, as well as for engineers and technicians, working on the design and operation of heat-exchange power stations, in particular, water treatment installations.

COVERAGE: This book describes methods of efficient operation as well as improvement of water treatment processes, based on the practical experience gathered at metallurgical plants. It also makes suggestions for modernizing the operational procedures of water treatment in metallurgical plants. It further discusses operational control problems, and problems of overhaul. Appended to the work are specifications and standards for various water qualities and

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other informative material. In the compilation of this work the author drew upon studies made by Tsentroenergochermetom at various plants of the heavy metallurgical industry as well as material provided by ORGRES. The author expresses his thanks to engineers G.P. Sutotskiy and V.M. Simonov for valuable suggestions, and for editing the work. There are 81 Soviet references.

TABLE OF CONTENTS:

MESHCHERSKIY, N.A., inzh.

Conference on the science and technology of water treatment equipment, automation of water treatment installations, and thermal deareation of water. Teploenergetika 7 no. 12:89-90 D '60. (MIRA 14:1)
(Feed water purification--Equipment and supplies)

MESHCHERSKIY, N.A., inzh.

Elimination of iron and phosphate deposits from the water wall tubes of the salt interceptor of a boiler. Energetik 8 no.6: 22-24 Je '60. (MIRA 13:7)
(Boilers--Incrustations)
(Pipes, Deposits in)

SHKROB, M.S.; MESHCHERSKIY, N.A.

Bibliographic index of literature and magazine articles on water treatment, water conditions and chemical control in thermal electric power plants. Vodopod., vod. resh. i khimkont. na parosil. ust. no.1:176-197 '64. (MIRA 18:2)

MESHCHERSKIY, Nikita Alekseyevich, GELAN, F.I., red.

Operation of the water heating systems of high-pressure electric power plants] Ekspluatatsiia vodopodgotovitel'nykh ustanovok elektrostantsii vysokogo davleniia. Moskva, Energiia, 1965. 463 p. (MIRA 18:1)

MESHCHERSKIY, B.M.

Change in the electrical activity of the cortical and of the visual analysor of a rabbit during the development of a conditioned defense reaction to stimulation by light. Trudy Inst.vys.nerv.deiat. Ser. fiziol. 1:265-278 '55. (MLRA 9:8)

1. Iz laboratorii obshchey fiziologii nervnoy sistemy, zaveduyushchiy V.S.Rusinov.
(CONDITIONED RESPONSE) (SIGHT)
(ELECTROPHYSIOLOGY)

MESHCHERSKIY, R.M.

Effect of mechanical compression of the visual center of the cerebral cortex on conditioned reflexes to light stimuli, formed in a rabbit. Trudy Inst.vys.nerv.deiat. Ser. fiziol. 2:102-114 '56. (MLRA 10:1)

1. Iz laboratorii obshchey fiziologii tsentral'noy nervnoy sistemy, zav. - V.S.Rusinov.

(CONDITIONED RESPONSE) (SIGHT)

MESHCHERSKIY, R. M., Cand Biol Sci -- (diss) "Trace Intersignalling Reactions in Rabbits." Mos, 1957. 16 pp (Inst of Higher Nervous Activity Acad Sci USSR), 120 copies (KL, 49-57, 112)

MESHCHERSKIY, R.M.

Effect of local irradiation of the cortical terminal of the visual analysor of a rabbit on conditioned motor defense responses to light stimuli. Trudy Inst.vys.nerv.deiat. Ser. patofiziol.4:79-86 '58 (MIRA 11:12)

1. Iz laboratorii obshchey fiziologii tsentral'noy nervnoy sistemy (zav. - chlen-korrespondent AMN SSSR prof. V.S. Rusinov) Instituta vyshey nervnoy deyatel'nosti AN SSSR.
(RADIATION--PHYSIOLOGICAL EFFECT)
(OPTIC NERVE)

MESHCHERSKIY, R.M.

Stereotaxic apparatus for small laboratory animals. Fiziol. zhur. 45 no.4:498-502 Ap '59. (MIRA 12:6)

1. From the Institute of Higher Nervous Activity, USSR Academy of Sciences, Moscow.
(PHYSIOLOGY, appar. & instruments,
stereotaxic appar. for small animals (Rus))

MESHCHERSKIY, R.M.; CHERNYSHEVSKAYA, I.A.

Possibility of using Sawyer's stereotaxic coordinates in native non-standard rabbits. Fisiol.zhur. 45 no.9:1152-1154 S '59.
(MIRA 13:1)

1. Institut vysshey nervnoy deyatel'nosti AN SSSR, Moskva.
(BRAIN physiol.)

MESHCHERSKIY, Rotislav Mikhaylovich

[Methodology of microelectrode investigation] Metodika mikroelektrodnogo issledovaniia. Moskva, Medfiz, 1960. 191 p. (MIRA 14:9)
(ELECTROPHYSIOLOGY)

MESHCHERSKIY, R.M.; CHERNYSHEVSKAYA, I.A.

Limits of exactness in the stereotaxic use of electrodes in working with nonstandard rabbits. Trudy Inst. vys. nerv. deiat. Ser. fiziol. 5:257-270 '60. (MIRA 13:10)

1. Iz Laboratorii fiziologii nervnoy sistemy (zav - V.S. Rusinov) i Kabineta morfologii mozga (zav. - M.M. Aleksandrovaskaya) instituta vysshey nervnoy deyatel'nosti.
(ELECTROPHYSIOLOGY) (ELECTRODES)

MESHCHERSKIY, R.M.

New method of fixing electrodes, adjusting their vetrical position, and determining the zero coordinate during operation of a stereotaxic apparatus. Zhur. vys. nerv. deiat. 10 no.2:301-304 Mr-Ap '60. (MIRA 14:5)

1. Laboratory of General Physiology of the Central Nervous System, Institute of Higher Nervous Activity, U.S.S.R. Academy of Sciences, Moscow.

(ELECTROPHYSIOLOGY--EQUIPMENT AND SUPPLIES)

MESHCHERSKIY, R.M.

Improved stereotaxic apparatus for small animals. Zhur.vys.nerv. deiat. 10 no.6:913-917 N-D '60. (MIRA 14:1)

1. Institut vysshey nervnoy deyatel'nosti Akademii nauk SSSR.
(PHYSIOLOGICAL APPARATUS) (BRAIN)

MESHCHERSKIY, R.M.

Simple manipulator for the preparation of microelectrodes.
Fiziol. zhur. 46 no. 5:629-630 My '60. (MIRA 13:12)

1. From the Institute of Higher Nervous Activity, U.S.S.R. Academy of Sciences, Moscow.
(ELECTRODES, GLASS)

MESHCHERSKIY, R.M.

Universal stereotaxic apparatus. Fiziol.zhur. 46 no.8:1020-1024 Ag '60. (MIRA 13:8)

1. From the Institute of Higher Nervous Activity, U.S.S.R. Academy of Sciences, Moscow.
(BRAIN) (PHYSIOLOGICAL APPARATUS)

MESHCHERSKIY, Rostislav Mikhaylovich; ADRIANOV, O.A., red.; SENCHILO, K.K., tekhn. red.

[Stereotaxic method; experimental and clinical use] Stereotaksicheskii metod; primenenie v eksperimente i klinike. Moskva, Medgiz, 1961. 202 p. (MIRA 14:12)

(ELECTROPHYSIOLOGY)

MESHCHERSKIY, R.M.

Vectorgraphic characteristics of spontaneous cortical activities of the hemispheres in rabbits. Fiziol. zhur. 47 no.4:419-426 Ap '61. (MIRA 14:6)

1. From the Institute of Higher Nervous Activity, U.S.S.R. Academy of Sciences, Moscow.

(CEREBRAL CORTEX)

MESHCHERSKIY, R.M.

Priority in developing the method of stereotaxis. Fiziol. zhur. 47 no.6:786-788 Je '61. (MIRA 15:1)

1. From the U.S.S.R. Academy of Sciences Institute of Higher Nervous Activity and Neurophysiology, Moscow.
(BRAIN)

MESHCHERSKIY, R.M.; SMIRNOV, G.D.

Origin of the rhythmic reaction of the cerebral cortex to flickering light. Dokl. AN SSSR 139 no.1:245-248 Jl '61. (MIRA 14:7)

1. Institut morfologii zhivotnykh im. A.N. Severtsova AN SSSR i Institut vysshey nervnoy deyatel'nosti i neyrofiziologii AN SSSR. Predstavleno akademikom I.S. Beritoshvili.
(LIGHT--PHYSIOLOGICAL EFFECT)
(ELECTROENCEPHALOGRAPHY)

MESHCHERSKIY, R.M.; SMIRNOV, G.D.; FEDOROV, V.M.; ROZENBLAT, I.I.

Functional connections of the visual cortex with the external geniculate bodies in a rabbit. Trudy Inst.vys.nerv.deiat. Ser.fiziol. 7:78-90 '62. (MIRA 16:2)
(CEREBRAL CORTEX) (OPTIC THALAMUS)

SEDLOVICH, L.S.; MESHCHERSKIY, R.M.

D.c. and a.c. preamplifier for electrophysiological studies.
Trudy Inst.vys.nerv.deiat. Ser.fiziol. 7:300-305 '62.
(MIRA 16:2)

(ELECTROPHYSIOLOGY) (AMPLIFIERS (ELECTRONICS))

MESHCHERSKIY, R.M.; SEDLOVICH, L.S.

Complex installation for neurophysiological studies. Trudy Inst. vys.nerv.deiat. Ser.fiziol. 7:306-316 '62. (MIRA 16:2)
(CATHODE RAY OSCILLOGRAPH) (ELECTROPHYSIOLOGY)

MESHCHERSKIY, R.M.; KHAYETSKIY, I.K.

Variations in the stereotaxic coordinates of the rabbit brain.
Zhur.vys.nerv.deiat. 12 no.1:186-190 Ja-F '62. (MIRA 15:12)

1. Institute of Higher Nervous Activity and Neurophysiology, U.S.S.R. Academy of Sciences, Moscow.
(BRAIN)

KOZHEVNIKOV, Valeriy Aleksandrovich; MESHCHERSKIY, Rostislav Mikhaylovich; NAZAROVA, V.A., red.; PARAKHINA, N.L., tekhn. red.

[Current methods of analyzing the electroencephalogram] Sovremennye metody analiza elektroentsefalogrammy. Moskva, Medgiz, 1963. 326 p. (MIRA 16:10)
(ELECTROENCEPHALOGRAPHY)

MESCHCHERSKIY, R.M.; FEDOROV, V.M.; SMIRNOV, G.D.

Efferent influences from the visual cortex to the lateral geniculate nucleus in rabbits. Fiziol. zh. SSSR Sechenov 49 no.6: 649-658 '63 (MIRA 17:1)

1. Institut vysshey nervnoy deyatel'nosti i neyrofiziologii AN SSSR i Institut morfologii zhivotnykh imeni Severtsova AN SSSR, Moskva.

MESHCHERSKII, R.M.; GUSTSON, P.P.

Cortical modulation of primary responses in lateral geniculate body. Physiol. Bohemoslov. 13 no.3:236-241 '64

1. Institute of Higher Nervous Activity and Neurophysiology, Academy of Sciences USSR, Moscow.

OKUDZHAVA, V.M.; [illegible], R.M.

Effect of [illegible] on the transcallosal response. Soob. AN GruzSSR 34 no.3:659-662 D '64. (MIRA 17:11)

1. Institut vysshey nervnoy deyatel'nosti i neurofiziologii AN SSSR Moskva. Predstavleno chlenom-korrespondentom AN GruzSSR S.P. Narikashvili.

ASRATYAN, E.A., prof., otv. red.; LIVANOV, M.N., red.; KUSINOV, V.S., red.; SIMONOV, P.V., red.; MESHCHERSKIY, B.M., red.; POPOVA, Ye.I., red.

[Brain reflexes; transactions] Refleksy golovnogo mozga; trudy. Moskva, Nauka, 1965. 646 p. (MIRA 19:1)

1. Mezhdunarodnaya konferentsiya, posvyashchennaya 100-letiyu vykhoda v svet odnoimennogo truda I.M.Sechenova.
2. Chlen-korrespondent AN SSSR (for Asratyan).

MESHCHERSKIY, R.M.

Role of corticofugal influences in the formation of the dominant and the conditioned reflex. Zhur. vys. nerv. deiat. 16 no. 1:14-18 Ja-F '66 (MIRA 19:2)

1. Institut vysshey nervnoy deyatel'nosti i neyrofiziologii AN SSSR. Submitted May 3, 1965.

MESHCHERSKIY, R.M.; LEZHAVA, G.G.; LAZAREVA, N.A.

Corticofugal changes in EGB responses of monopolar and bipolar recording potentials. Dokl. AN SSSR 162 no.6:1444-1446 Je '65. (MIRA 18:7)

1. Institut vysshey nervnoy deyatel'nosti i neyrofiziologii AN SSSR i Institut eksperimental'noy i klinicheskoy nevrologii AMN SSSR, Tbilisi. Submitted July 7, 1964.

L 00635-67 EWT(d)/T/EWP(1) IJP(c) GG/GD/BB
ACC NR: AT6009444 SOURCE CODE: UR/0000/65/000/000/0060/0069

AUTHOR: Meshcherskiy, R. M.

ORG: none

TITLE: Functional organization of a nervous system and pattern recognition

SOURCE: AN SSSR. Nauchnyy sovet po kompleksnoy probleme Kibernetika. Bionika (Bionics). Moscow, Izd-vo Nauka, 1965, 60-69

TOPIC TAGS: pattern recognition, bionics, logic circuit, neurophysiology, histology

ABSTRACT: The author studies feedback in the projector system of the eye and the role of feedback in pattern recognition. The organization of the corticofugal system of the eye is studied. A model is set up which simulates the structure of the central nervous system and its activity. The structure is simulated on the basis of histologic data, and the activity is simulated on neurophysiological data. The model is used for testing the proposed hypothesis on the functional organization of the central nervous system. The advantages of this model are the circuits which determine the associative criteria of the pattern and compare the program pattern with a combination of the actuated photodiodes. The proposed logic circuits which simulate certain regularities in the functional organization of pattern recognition do not have

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L 00535-67

ACC NR: AT6009444

a practical application. The principles used in their construction, however, may be useful for setting up improved models for simulating the activity of the central nervous system and in developing equipment for object recognition with respect to insufficient information. Orig. art. has: 8 figures.

SUB CODE: 05, 06, 09 / SUBM DATE: 26Oct65 / ORIG REF: 009 / OTH REF: 005

Card 2/2 pb

I 54561-65

ACCESSION NR: AP5015247 UR/0286/65/000/009/0033/0033

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10
B

AUTHOR: Meshcherskiy, R. M.; Losev, I. I.; Rudskiy, A. A.

TITLE: Device for compensating amplifier input capacitance. Class 21, No. 170548

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 9, 1965, 33

TOPIC TAGS: amplifier input capacitance, adjustable amplification factor, microelectrode

ABSTRACT: The proposed device for compensating the input capacitance of an amplifier during microelectrode experiments contains a differentiator amplifier which is connected in parallel to the main amplifier. In this compensating amplifier, gain is automatically adjusted by a key circuit. One input of the key circuit is connected to the output of the device and the other input, to the output of a reference pulse generator. The generator output is in turn connected to the object of the experiment (see Fig. 1 of the Enclosure). The output of the key circuit is connected through a storage device to a thermistor which regulates the gain of the compensating amplifier. Orig. art. has: 1 figure. [DW]

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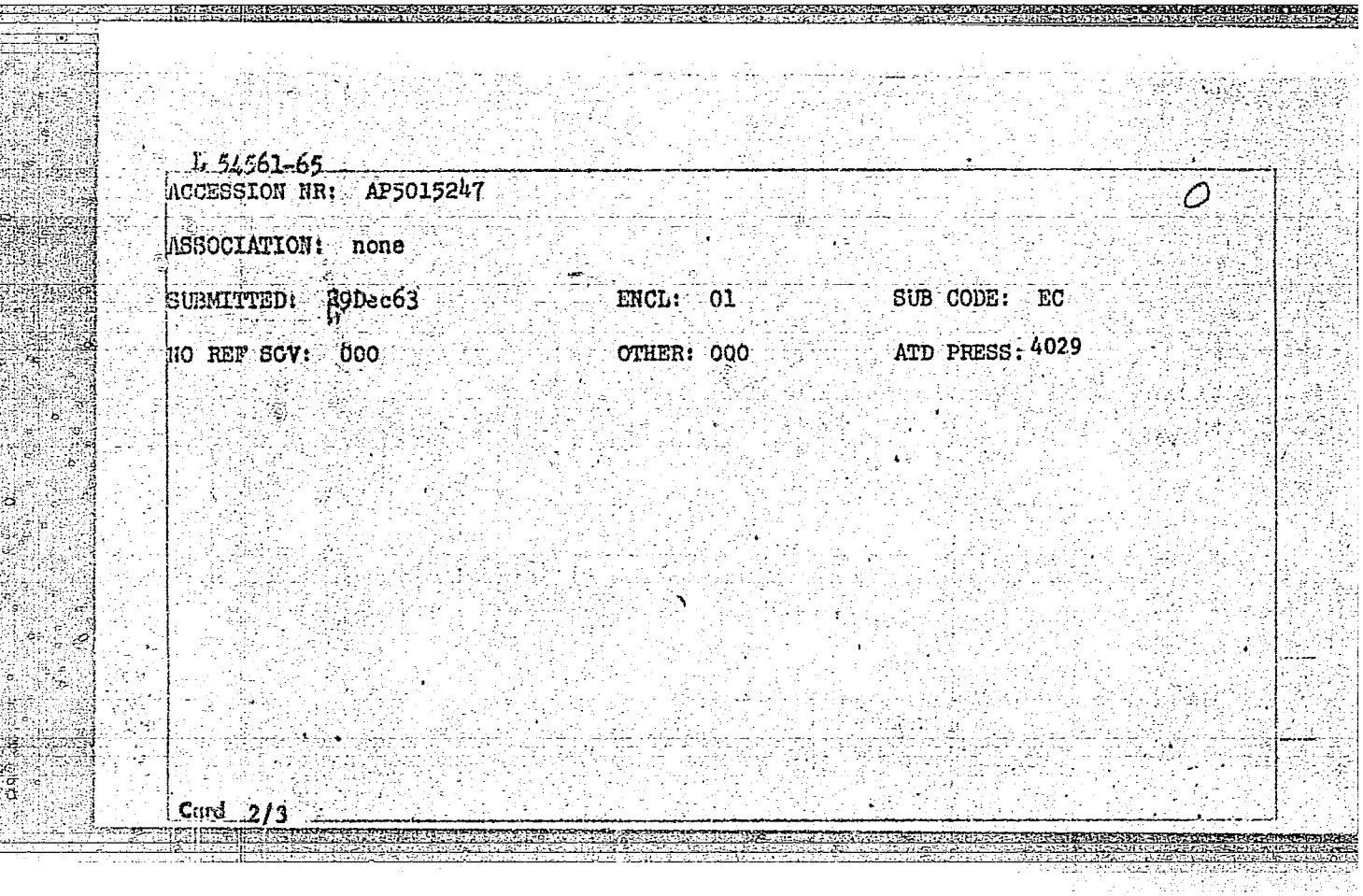

L 54561-65

ACCESSION NR: AP5015247

ASSOCIATION: none

SUBMITTED: 29Dec63 ENCL: 01 SUB CODE: EC

NO REF SOV: 000 OTHER: 000 ATD PRESS: 4029

Card 2/3

ACC NR: AP7000328 SOURCE CODE: UR/0413/66/000/022/0073/0073

INVENTOR: Pentegov, I. V.; Meshcheryak, S. N.

ORG: none

TITLE: Method of controlling the shape of a welding current pulse. Class 21, No. 188604 [announced by the Institute of Electric Welding im. Ye. O. Paton (Institut elektrosvarki)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 22, 1966, 73

TOPIC TAGS: ~~stored energy~~ pulse welding, welding ~~current pulse~~ equipment, welding ~~current control~~ technology

ABSTRACT: This Author Certificate introduces a method of controlling the shape of a welding current pulse, mainly in stored energy welding, by means of an additional capacitor battery. To improve the weld quality, the ascending as well as descending side of the impulse is controlled by superimposing the charging-discharging processes of the controlling battery over the primary discharge. Orig. art. has: 1 figure.

[TD]

SUB CODE: 13, 09/SUBM DATE: 29Nov65/ ATD PRESS: 5109

Card 1/1 UDC: 621.791.76

MESHCHERSKIY, V.I.

Results obtained with a geoelectromagnetic current meter in the Baltic Sea in 1954. Trudy GOIN no.30:113-118 '55. (MLRA 9:8)
(Baltic Sea--Ocean currents) (Magnetic instruments)

SOSKIN, I.M.; MESHCHERSKIY, V.I.

Comparison of simultaneous readings of different current meters.
Trudy GOIN no.30:119-128 '55. (MLRA 9:8)
(Ocean currents)

MESHCHERSKIY, V.I.

Illuminated captive buoys. Meteor. i gidrol. no.5:56 My '57.
(Ocean currents) (MLRA 10:8)

MESHCHERSKIY, V.I.

Volume of the reservoir and volume of the upper enlargement of the capillary of the deep-sea thermometer. Trudy GOIN no.40:173-182 '57. (MLRA 10:7)

(Thermometers)

MESHCHERSKII, V.I.

MESHCHERSKIY, V.I.

Two methods of determining the volume of the upper enlargement of the capillary of the deep-sea thermometer. Trudy GOIN no.40:183-187 '57. (MIRA 10:7)

(Thermometers)

MESHCHERSKIY, V. I.

AUTHOR: Meshcherskiy, V. I. 50-2-17/22

TITLE: **Electric Contact Device for Rotary Sea Current Meters**
(Ob elektrokontaktnom prisposoblenii k morskoy vertushke).

PERIODICAL: Meteorologiya i Gidrologiya, 1958, Nr 2, pp. 46-47 (USSR).

ABSTRACT: New marine current meters with an electric current device by L. A. Zhukov were used for the velocity measuring of the surface current on the expedition ship "Professor Rudovits" during its three voyages. The application of this device is of great value since it renders the current meter itself conductive and it is in this case not necessary to alter the construction of this current meter. Therefore the marine current meter with electric device behaves like the common marine current meter and its values are completely comparable. However, the application of marine current meters and such ones with electric contact device of various constructions is very dubious with reference to their data.
Experience has shown that the marine current meters with altered electric contact devices can be easily used in the place of the marine current meters of Zhestovskiy for observation purposes. Compared to the contact devices of Zhukov, this

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variant has following advantages: The apparatus
1) can be used in a network with a voltage of 12 V which permits the application of any peak voltmeter for the recording of the contact number on the band.
2) can be used in great depths, since an all-round compression of the hood does not effect an approach of the contacts.
3) admits an easy regulation of the contacts by compression and expansion of the contact spiral.
4) There is no failure in consequence of a bad contact since the operational voltage increases up to 12 V.
There is 1 Slavic reference.

AVAILABLE: Library of Congress

Card 2/2

MESHCHERSKIY, V.I.

Measurement of deep currents. Trudy GOIN no.37:79-84 '59.
(MIRA 13:4)

(Ocean currents)

MESHCHERSKIY, V.T., doktor tekhn.nauk, prof.; GORYAYNOV, V.I., kand. tekhn.nauk, dots.

Method of plotting curves of forces in stretch forming. Sbor. MOSSTANKIN no. 5:5-19 '60. (MIRA 14:2)
(Sheet-metal work)

L 3066[illegible]-66 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(l) GD/BC/RH

ACC NR: AT6008386 SOURCE CODE: UR/0000/65/000/000/0133/0138

AUTHOR: Meshcherskiy, V. Yu.

ORG: none

TITLE: Methods for the design of photoelectric measuring systems

SOURCE: AN UkrSSR. Povysheniye tochnosti i avtomatizatsiya izmeritel'nykh sistem (Automating and increasing the accuracy of measuring systems). Kiev, Naukova dumka, 1965, 133-138

TOPIC TAGS: photoelectric detection equipment, remote control measuring instrument

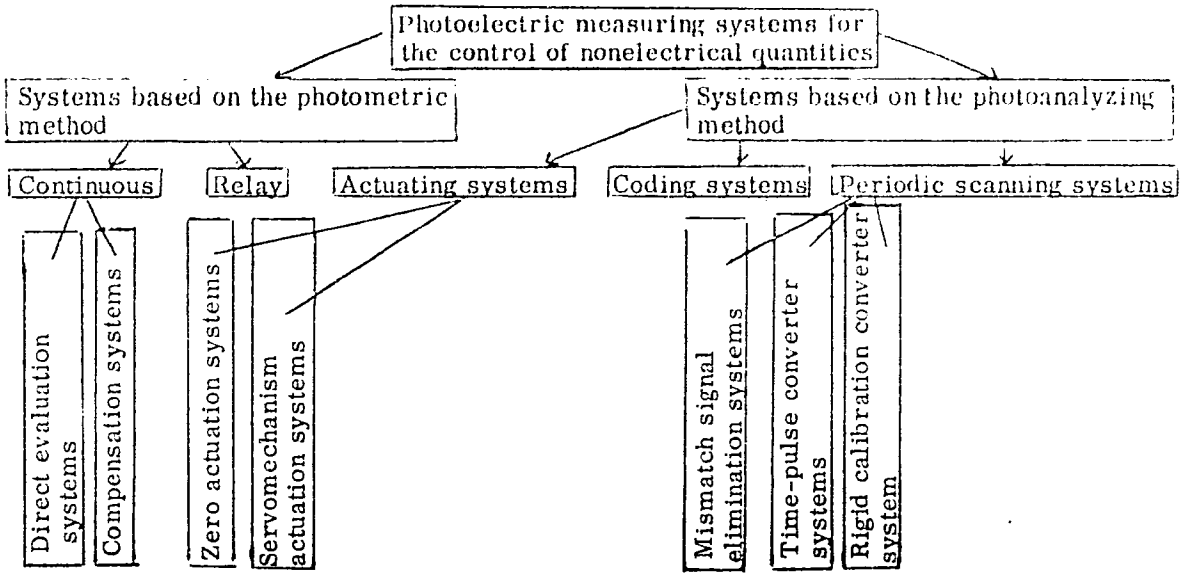
ABSTRACT: Optical measuring systems and devices with photoelectric data conversion are being used widely for the design of systems for remote measurement and for automation of various processes and operations. The present paper establishes a classification of the existing photoelectric systems for the registration of nonelectrical quantities (see Table 1) and surveys on the basis of 11 references the various existing solutions. Orig. art. has: 8 formulas and 1 table.

Card 1/2

L 30603-66

ACC NR: AT6008366

Table 1 Classification of photoelectric systems for the measurement of nonelectrical quantities.



Card 2/2 SUB CODE: 09,20,14/ SUBM DATE: 25Oct65/ ORIG REF: 009/ OTH REF: 002

L 21582-66

ACC NR: AT6008387 SOURCE CODE: UR/0000/65/000/000/0145/0153

AUTHOR: Meshcherskiy, V. Yu. (Kiev); Rudakov, V. P. (Kiev)

ORG: none

TITLE: Scanning large linear fields in photoelectric conversion of optical-sensor information

SOURCE: AN UkrSSR. Povysheniye tochnosti i avtomatizatsiya izmeritel'nykh sistem (Automating and increasing the accuracy of measuring systems). Kiev, Naukova dumka, 1965, 145-153

TOPIC TAGS: photoelectric sensor, nonelectric quantity instrument

ABSTRACT: In measuring nonelectric quantities by photoelectric sensors, the resulting pattern is scanned by an optical-to-electrical-signal converter. The scanners that realize pulse-time conversion (for remote measurements) include either a disk with a read slit moving along an Archimedes spiral or a drum with a helical read slit. Formulas for errors involved in both systems are developed. To minimize the error, a modified system is suggested in which the scanning field is subdivided into n areas analyzed simultaneously by n read slits. This modification promises scanning large fields by curvilinear read slits with much reduced

Card 1/2

L 21582-66

ACC NR: AT6008387

error; an illustrating sketch is presented. Often the distance between two marks on one coordinate axis represents the measurand. Hitherto used opaque scanners with a long linear slit had cam-type or crank-type mechanisms liable to quick wear and slow in operation. A new idea is suggested (sketch supplied) for using a rotating-disk scanner for such cases. Orig. art. has: 4 figures and 25 formulas. [03]

SUB CODE: 09 / SUBM DATE: 25Oct65 / ORIG REF: 003/ ATD PRESS: 4219

Card 2/2 JLR

MESHCHERYAK, G.Ye.; MEZHENINOV, M.Yu.

Pneumatic shutting of bottom lids of diffusers. Obm.tekh.opyt. [MLP] no.27:17-19 '56. (MIRA 11:11)
(Diffusers)

MESHCHERYAKOV, A. ..

"Dodder of Turkmenistan and Methods for Its Contr l."
Cand Biol Sci, Turkmen State U, Ashkhabad, 1/[illegible]. (KZhBiol, No , Mar 5.)

So: Sum. No. 70, 29 Sep 5 -Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (13)

MESHCHERYAKOV, A.A.

Species of dodder parasitic on trees and shrubs of Turkmenistan.
Trudy Truk.bot.sada no.2:97-101 '56. (MLRA 10:9)
(Turkmenistan--Dodder) (Trees--Diseases and pests)
(Shrubs--Diseases and pests)

MESHCHERYAKOV, A.A.

Natural girdling of stems of 108-f cotton on alkali soils. Izv.AN Turk.SSR no.3:86-87 '56. (MLRA 9:12)

1. Institut zemledeliya nauk Turkmenskoy SSR.
(Cotton--Diseasses and pests)

GUBANOV, I.A.; MESHCHERYAKOV, A.A.

Search for biologically active compounds in the plants of Turkmenistan. Izv. AN Turk.SSR. Ser.biol.nauk no.2:35-41 '63. (MIRA 16:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut lekarstvennykh i aromaticheskikh rasteniy i Institut botaniki AN Turkmenskoy SSR.
(TURKMENISTAN—BOTANY, MEDICAL)

MESHCHERYAKOV, A.A.

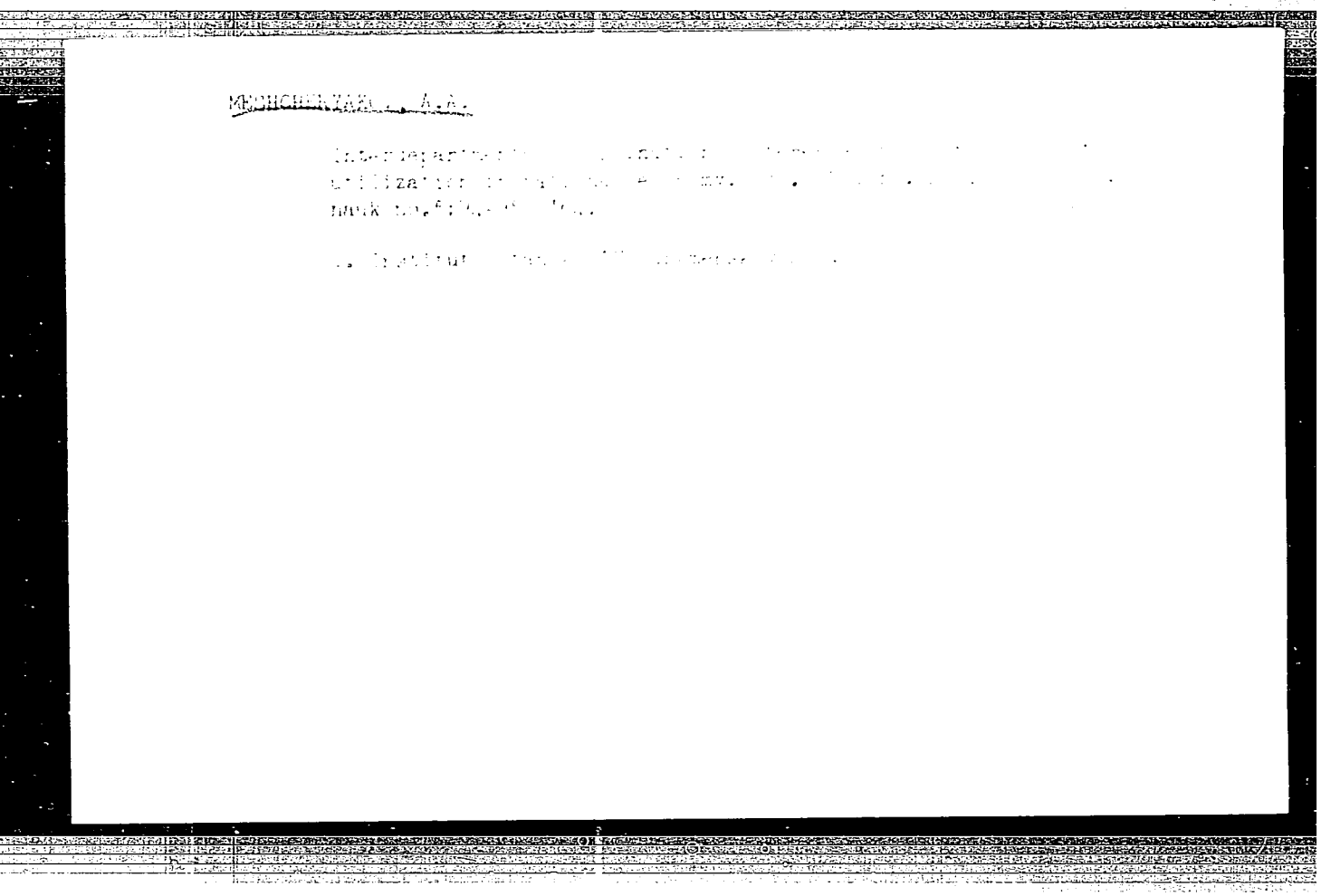
The grass Nevskiella gracillima (Bge., V. Krecz. et Vved. Izv. AN Turk. SSR. Ser. biol. nauk no.5:82 '63. (MIRA 17:10)

1. Institut botaniki AN Turkmenskoy SSR.

NIKONOV, G.K.; VERMEY, R.K.; MESHCHERYAKOV, A.A.

Chemical study of the flavone of the osage orange Maclura aurantiaca Nutt. Med. promyshl. SSSR 17 no.8:13-15 Ag'63 (MIRA 17:2)

1. 1. Vsesoyuznyy nauchno-issledovatel'skiy institut lekarstvennykh i aromaticheskikh rasteniy i Institut botaniki AN Turkmenskoy SSR.



GLADKIKH, A.S.; GUBANOV, I.V.; MESHCHERYAKOV, A.A.

Content of saponins in the plants of Turkmenia (eastern and central Kopetdag). Izv. AN Turk.SSR.Ser.biol.nauk no.1:22-35 '65. (MIRA 18:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut lekarstvennykh i aromaticheskikh rasteniy i Institut botaniki AN Turkmenskoy SSR.

MESHCHERYAKOV, A.A.

Materials on morphology and biology of Eginium [illegible] Bge. Ktze. Izv.AN Turk.SSR.Ser.biol.nauk no.4:59-6[illegible]

1. Institut botaniki AN Turkmenskoy SSR.

GUBANOV, I.A.; MESHCHERYAKOV, A.A.

Looking for biologically active substances in the plants of Turkmenia. Izv. AN Turk. SSR. Ser. biol. nauk no.2:46-51 '64.

(MIRA 17:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut lekarstvennykh i aromaticheskikh rasteniy i Institut botaniki AN Turkmenskoy SSR.

KALINOVSKAYA, Ye.Ya., inzhener; MESHCHERYAKOV, A.F., inzhener; PROVODIN, S.S., inzhener; SHOLOKHOV, A.N., inzhener

[Moscow; an index to a city map] Moskva; ukazatel' k planu-skheme. [Moskva] Mosgorispolkom, Arkhitekturno-planirovochnoe upravlenie, [1956] 28 p. (MLRA 10:8)
(Moscow--Directories)

MESHCHERYAKOV, A.F., inzh.; PROVODIN, S.S., inzh.,; KALINOVSKAYA, Ye.Ya., inzh.; SHOLOKHOV, A.N., inzh.; DUMESH, S.Ye., inzh.; SPIRINA, Ye.I., inzh.; ZATONSKAYA, M.I., inzh.; ZARILOVA, T.A., tekhnik; LITINA, L.A., tekhnik; SHERDYUKOV, Ya.I., otv. red.

[Index to an illustrated map of Moscow] Moskva; ukazatel' k iliustrirovannoi skheme. Moskva, 1957. 47 p. (MIRA 14:9)

1. Mosgorgeotrest, Moscow.
(Moscow--Maps--Indexes)

ZUBRILOV, L. YE., DUBYNIN, N. G., MESHCHERYAKOV, A. I.

Mining Engineering

Application of the analytical method in mining (continued). Gor zhur. no. 2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April, 1952 1953, Uncl.

USSR/Mining - Manganese, Methods Dec 52

"Concerning the Open-Cut Mining of Nikopol' Deposits," A. I. Mesheheryakov, Cand Tech Sci

"Gor Zhur" No 12, pp 12-14

Briefly describes Nikopol' manganese-ore deposits, concluding that geological conditions of basin are favorable for open-cut mining. Discusses mining practice and suggests dragline excavation as most efficient system in this case. Outlines technical possibilities of system when

236T66

ESh - 10/75 type excavator is used. Single excavation system is applicable in areas with thickness of capping layer up to 25 m while double excavation would take care of mining to a depth of 45-50 m.

236T66

MESHCHERYAKOV, A. I.

PA 236T66

14(10)

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1959, Nr 2, p 61 (USSR) SOV/112-59-2-2708

AUTHOR: Bodunov, S. I., Irodov, D. I., and Meshcheryakov, A. I.

TITLE: Bulk Work and Special Work in Construction Hydroelectric Generating Stations (Proizvodstvo massovykh i spetsial'nykh rabot na stroitel'stve gidrostantsiy)

PERIODICAL: V sb.: Energ. str-vo SSSR za 40 let. M.-L., Gosenergoizdat, 1958, pp 89-124

ABSTRACT: Bibliographic entry.

Card 1/1

MESHCHERYAKOV, A. I., dots. kand. tekhn. nauk.

Determining the height of piled waste bnches. Nauch. dokl. vys. shkoly; gor. delo no.2:75-76 '58. (MIRA 11:6)
(Mining engineering)

KUPRIN, A., inzh.; MESHCHERYAKOV, A., inzh.

Bore bits for hole boring in rock. Mast. ugl. 7 no. 6:15 Je '58.
(MIRA 11:7)
(Boring machinery)

NOVOZHILOV, M.G., doktor tekhn. nauk, prof.; SHARKOV, A.M., kand.tekhn. nauk, Geroy Sotsialisticheskogo Truda; MESHCHERYAKOV, A.I., kand.tekhn.nauk, dots; KTITOROV, P.M.

"Safety techniques in strip mining" by N.V. Melnikov and N.M. Chesnokov. Reviewed by M.G. Novozhilov and others. Ugol' 34 no.9:63-64 S '59. (MIRA 12:12)

1.Direktor Chasov-Yarskogo rudoupravleniya (for Ktitorov).
(Strip mining--Safety measures)
(Melnikov, N.V.) (Chesnokov, N.M.)

MESHCHERYAKOV, A.I., dotsent

Determining the amount of dumping in railroad ore transport. Izv.vys. ucheb. zav.; gor. zhur. no.5:3-9 1960. (MIRA 14:3)

1. Dnepropetrovskiy ordena Trudovogo Krasnogo Znameni gornyy institut imeni Artema. Rekomendovana kafedroy otkrytykh rabot.
(Mine railroads)

MESHCHERYAKOV, A. I.

Lighting panelboards for apartment houses. Standartizatsiia 24 no.9:50 S '60. (MIRA 13:9)
(Electric lighting--Equipment and supplies)