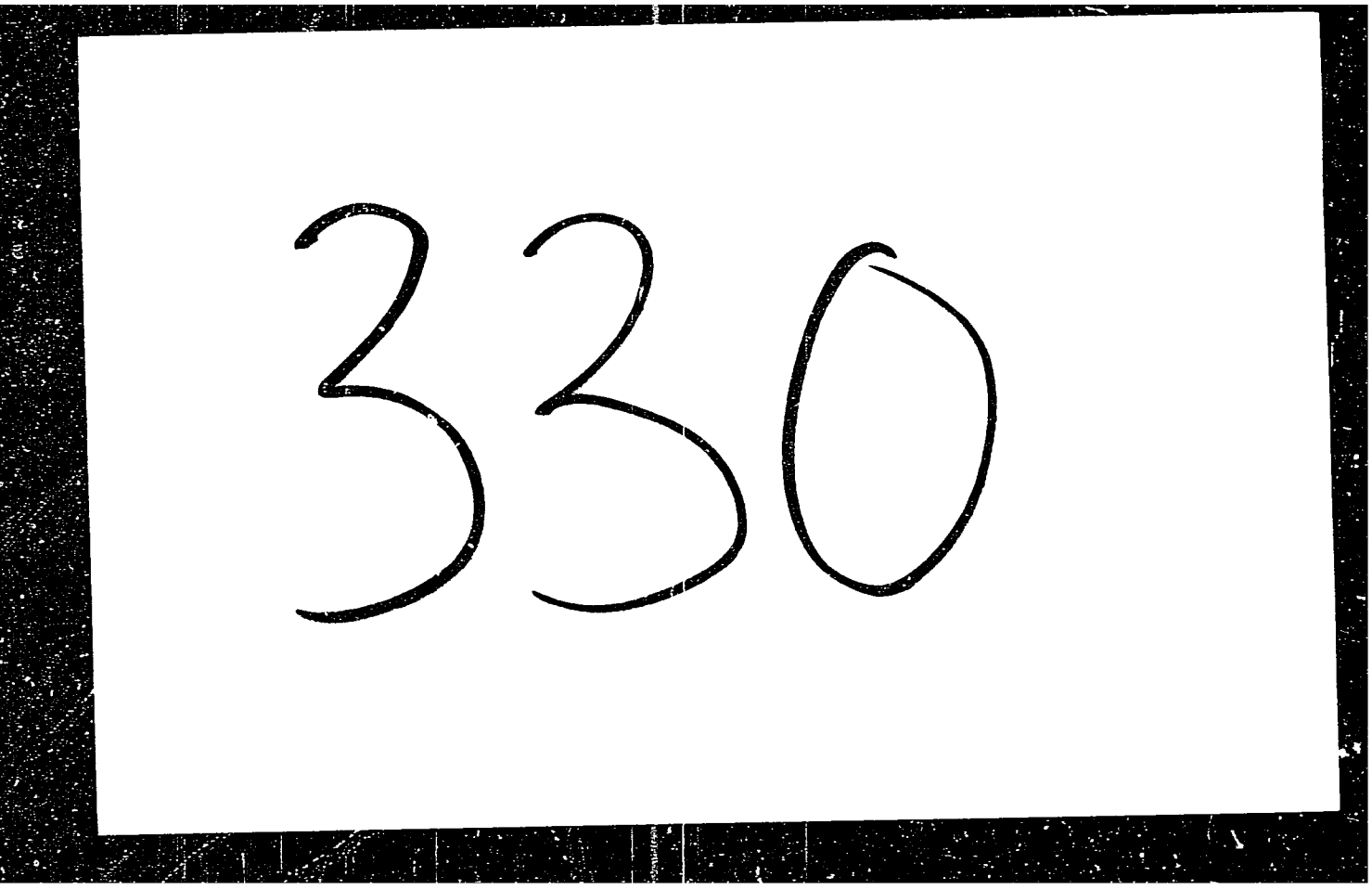

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031410001-0"

MAGIN, A.; SIVAY, A., redaktor; MINEVICH, I., tekhnicheskiy redaktor.

[Lesson taught by the work practice of the "Hammer and sickle" factory workers] Chemu uchit opyt serpomolotovtsev. Kiev, Gos. izd-vo tekhn. lit-ry Ukrainy, 1949. 50 p. (MLRA 8:2)
(Agricultural machinery industry)

L 04268-67 EWT(m)/T DJ
ACC NR: AP6013310 (A) SOURCE CODE: UR/0413/66/000/008/0120/0120

AUTHORS: Fedoseyev, N. M.; Sokolov, G. I.; Magin, A. K.; Orlov, I. Ye.; Blokhin, Yu. I.; Morozov, G. V.; Solov'yeva, M. L.; Serpukhov, D. V.

ORG: none

TITLE: A device for lubricating bearing junctions. Class 47, No 180924

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 8, 1966, 120

TOPIC TAGS: lubricating oil, lubrication, lubrication technique, ANTIFRICTION BEARING

ABSTRACT: This Author Certificate presents a device for lubricating bearing junctions. The device contains an oil bath and a wick holder with a wick feeding the oil to a shaft held in the bearings (see Fig. 1). To prevent singeing the wick and dropping its remnants into the bearings, a separating contact element is placed between the shaft and the wick. This element is made of antifrictional heat-resistant material and contains axial capillary ducts. Grooves running on the surface of the contact element at an angle to the shaft axis are connected to the ducts and touch the shaft.

Card 1/2 UDC: 62-725.7

L 04268-67

ACC NR: AP6013310

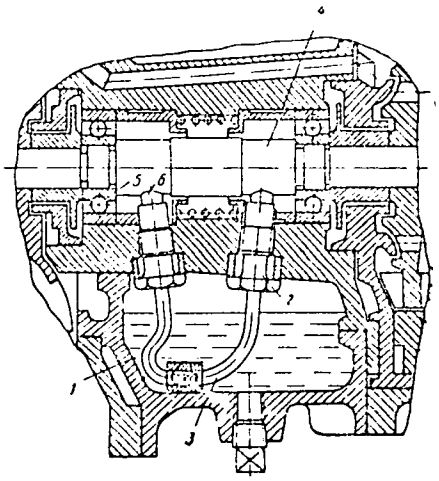

Fig. 1. 1 - oil bath; 2 - wick holder; 3 - wick; 4 - shaft; 5 - bearing; 6 - contact element.

Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 23Jul64

Card 2/2 fv

SOV 124-57-5-6118

Translation from: Referativnyy zhurnal. Mekhanika, 1957 Nr 5, p 136 (USSR)

AUTHOR: Magin, I. Ya.

TITLE: Methods for Experimental Determination of the Stresses and Forces Acting Upon Machine Parts (Metody eksperimental'nogo opredeleniya napryazheniy i usiliy v detalyakh mashin)

PERIODICAL: V sb.: Snizheniye vesa i povysheniye kachestva mashin. Moscow-Sverdlovsk, Mashgiz, 1955, pp 82-109

ABSTRACT: The author dwells at length on the use of wire-type resistance strain gages. Two ways of making them are described. The dimensional characteristics and physical properties of some strain gages are given. The strain gages are made and used with adhesives 192T and BF-2 (the latter being able to withstand temperatures of up to 200°C). The strain gages are moisture-proofed first with a coating of paraffin, then with a coating of vaseline. So that the strain gages could be used more than once they were attached not to paper but to pieces of brass or steel foil (0.7-1 mm thick) which were pasted onto the machine parts to be tested with a celiuloid adhesive; at the end of the tests these were removed with a razor blade. When a strain gage was used

Card 1/3

Methods for Experimental Determination of the Stresses and Forces (cont.)

repeatedly (as many as 20 times), its readings exhibited a scatter of up to 2-3% of the mean-stress value. Included are readings obtained from multilayered strain-gage "Dagwood sandwiches", i.e., units consisting of from 5 to 10 ordinary single-layer strain gages pasted one on top of the other -- an arrangement that is useful in that it yields high-resistance strain gages of short base length. The final test results indicated that the topmost strain gage overrated the strain somewhat. Included are the results of investigations made of the thermal characteristics of the constantan wire used in the strain gages. The temperature coefficient of the resistance of constantan, after annealing at 200°C, was found to drop and become stabilized; when the annealing occurred at 300-350°C, the temperature coefficient of the resistance dropped almost to zero. A determination was made of the sensitivity of the strain gages at different temperatures. The sensitivity of strain gages pasted to a steel beam was found to decline by 8% as the temperature of the beam increased from 20 to 200°C. Also, the author describes a device for measuring the acting stresses and forces in the case of both static and dynamic loadings. A 50-point-circuit diagram of the device appears in the paper. In the case of static loadings the measuring is done by the zero method with a rheochord slide wire wound upon a drum, each turn of wire on the drum being marked off into 100 linear units of equal length. Used as an indicator is an M-91 microammeter or an electronic

Methods for Experimental Determination of the Stresses and Forces (cont.)

galvanometer, the latter being nothing more than a three-stage amplifier with synchronized input and output vibrapacks. In the case of dynamic loadings the measuring is done with the aid of an amplitude-modulated amplifier operating on a carrier frequency of 2,000 cps and equipped with a phase-sensitive detector on a ring circuit. The author describes various methods of using wire-type resistance strain gages to measure forces and weights and gives illustrative examples. A description is given also of still other force-measuring devices that have been built, e.g., a two-component dynamometer for measuring the cutting force of a lathe, electric crane scales for weighing loads of up to 50 tons, an electrodynamometer for weighing loads of up to 200 tons, etc.

N. P. Rayevskiy

Card 3/3

20442
S/115/61/000/003/006/013
B124/B204

26.2190

AUTHORS: Ipatov, V. V. and Magin, I. Ya.

TITLE: A miniature resistance thermometer for checking the service of bearings

PERIODICAL: Izmeritel'naya tekhnika, no. 3, 1961, 19-20

TEXT: The service of the bearings in turbo-generators is usually controlled with the temperature of the oil emerging from the bearing, but this is not enough to avert the danger of breakdowns early enough. A more promising method of checkirg load and support bearings is direct measurement of the temperature of the bearing metal layer in the bearing. The controls showed that the temperature of the race depends on the type of design, amount of load, quantity, and temperature of the cooling oil, and that it usually varies between 70 and 90°C, whereas on critical conditions it may reach 110-140° Thus, the apparatus for checking the service of bearings must be able to measure temperatures of up to 150°C. However, the usual resistance thermometers which are suited for this range, are too big and therefore cannot be attached to the casing of the

Card 1/3

A miniature resistance thermometer...

support bearings. For this reason, a miniature thermometer with a diameter of 3.2 mm and a 12 mm long active part was developed at the laboratory of a turbine engine factory. This resistance thermometer (Fig.1) is a copper wire (0.05 mm in diameter) which is bifilarly wound upon the thermometer and covered with a layer of bakelite paper of the type ПЭЛ ГОСТ 2773-51 (PEL GOST 2773-51). The resistance of the thermometer at 0°C is 53 ohms, its graduation the same as that of the copper thermometers 2a. Stability and measuring error of the thermometers cited meets the requirements of ГОСТ 6651-59 (GOST 6651-59) for third-class thermometers. Inertia of these resistance thermometers is low. The mounting of miniature resistance thermometers to the casings of the support bearing of a ВПТ-25-4 (VPT-25-4) type turbine and in the casings of the load bearings is shown in Fig.2. The resistance thermometers are placed in especially drilled openings (diameter of 3.4 mm) and fixed with ВФ-2 (BF-2) adhesive. The terminals of the resistance thermometers are, over a plug, connected to a switch and a measuring instrument. As measuring instrument, the electron bridge ЭМВ-11 (EMV-11) or ЭМДС-26 (EMDS-26) was used. There are 2 figures.

Card 2/3

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B124/B204

A miniature resistance thermometer...

Fig. 1

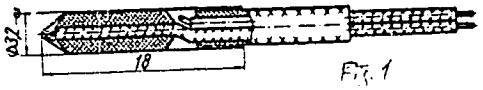


Fig. 1

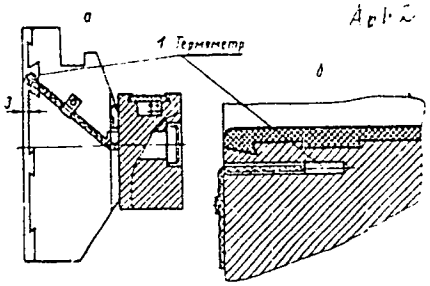


Fig. 2

Legend to Fig.2:
1) Thermometer.

Card 3/3

MAGIN, N. S.
Leningrad Order of Lenin State U imeni A. A. Zhdanov.

MAGIN, N. S.- "A psychological analysis of the reproduction of meaning of foreign words." Leningrad Order of Lenin State U imeni A. A. Zhdanov. Leningrad, 1956.
(Dissertation for the degree of Candidate in Pedagogical Sciences)

SO: Knizhnaya Letopis', No. 20, 1956

MAGIN, N.S.

Phenomena of reminiscence in the learning of foreign languages. Vop.psikhol. 5 no.2:94-100 Mr-Ap '59. (MIRA 12:6)

1. Kafedra inostrannykh yazykov sel'skokhozyaystvennogo instituta im M.V.Frunze, g.Kishinev.
(Languages, Modern--Study and teaching)
(Reproduction (Psychology))

MAGIN, S.M.

MKRTCHYAN, Derenik Petrovich; KHRUSHCHEV, Vitaliy Vasil'yevich; MAGIN, S.M., nauchnyy redaktor; ISAYEV, V.A., redaktor; DVORAKOVSKAYA, A.F., tekhnicheskiy redaktor; FRUMKIN, P.S., tekhnicheskiy redaktor

[Single-phase synchros] Odnofaznye selsiny. Leningrad, Gos.soiuznoe izd-vo sudostroit. promyshl., 1957. 343 p. (MLRA 10:9)
(Remote control)

KONIK, Boris Khaymovich; MAGIN, S.M., otv.red.; KRUGOVA, Ye.A., red.; KNOKHE, N.A., tekhn.red.

[Investigating reactive moments in some types of micromachines] Issledovanie reaktivnykh momentov v nekotorykh tipakh mikromashin. Leningrad, Gos.soiuznoe izd-vo sudostroit.promyshl., 1959. 106 p. (MIRA 13:7)
(Electric moments)

LEBEDEV, Andrey Nikolayevich; GINZBURG, R.I., kand. tekhn. nauk, retsenzent; MAGIN, S.M., inzh., retsenzent; MOZZHUKHIN, N.M., kand. tekhn. nauk, retsenzent; TREVOGIN, P.A., kand. tekhn. nauk, retsenzent; TSEYTLIN, Ya.M., nauchnyy red.; LESKOVA, L.R., red.; ERASOVA, N.V., tekhn. red.

[Modeling of transcendental equations] Modelirovanie transtsendentnykh uravnenii. Leningrad, Sudpromgiz, 1963. 187 p. (MIRA 16:5)
(Mathematical models)

KHODOROV, T.Ya.; MAGIN, S.M., inzh., retsenzent

[Digital control computers] TSifrovye upravliaiushchie mashiny. Moskva, Mashinostroenie, 1964. 439 p.
(MIRA 17:6)

AUTHOR: Magina, M.I., Engineer.

TITLE: On the use of 'Getinaks' in power transformers and oil circuit breakers. (O primenii getinaksa v silovykh transformatorakh i maslyanykh vyklyuchatelyakh.)

PERIODICAL: "Vestnik Elektropromyshlennosti" (Journal of the Electrical Industry), 1957, Vol. 28, No. 4, p. 75 (U.S.S.R.)

ABSTRACT: Getinaks brands A and B is used in the manufacture of transformers and switchgear for operation under hot oil. However, standard GOST 2718-54 makes no reference to Getinaks as a constructional material for oil circuit breakers and power transformers and in that standard it is stated that Getinaks, brands A and B are suitable for use at temperatures from -60 to +70 °C. Since the temperatures in transformers and switchgear are higher than 70 °C it follows that Getinaks is not suitable for use in them according to GOST-2718-54. However, it is well-known that the material can in fact be used at a temperature of 105 °C. A draft standard on the classification of heat resistance of insulating materials published in the journal 'Vestnik Elektropromyshlennosti' No. 5, 1955, indicates that laminated plastics based on cellulose materials with phenol-formaldehyde resins are class A insulating materials, and can operate at a temperature of 105 °C. When standard GOST-2718-54 was being drafted and since it has been issued the "Uralelektroapparat" Works proposed that Getinaks

On the use of 'Getinaks' in power transformers and oil circuit breakers. (Cont.)

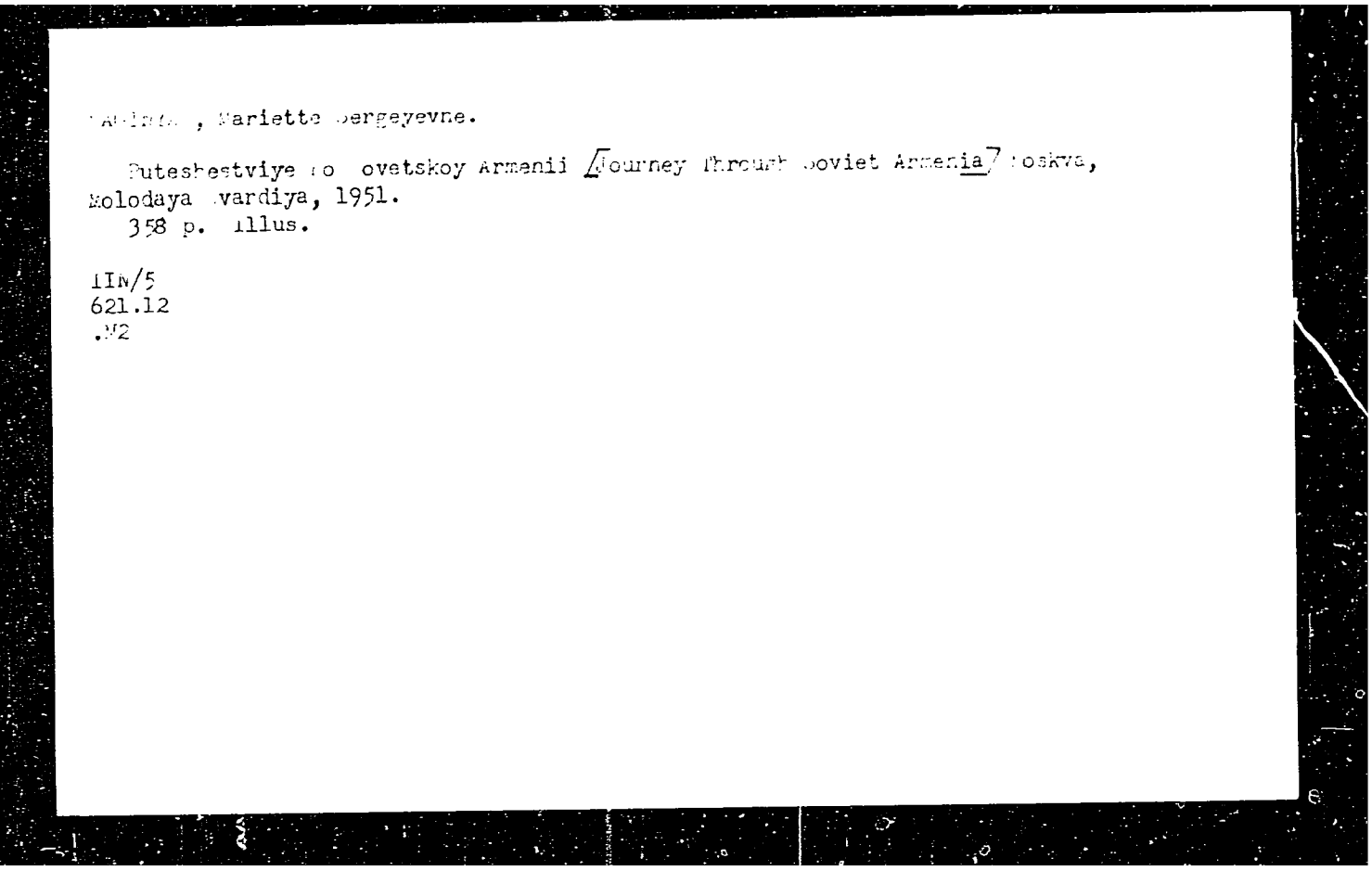
grade A should be considered suitable for operation under oil or in air over the temperature range from -60 to +105 °C and grade B from -60 to +95 °C.

No figures, no literature references.

LITVINSKIY, L.M.; MAGINA, Ya.B., starshiy tekhnik

Combination of functions in the servicing of public telephones.
Vest.sviazi 20 no.6:21 Je '60. (MIRA 13:7)

1. Starshiy inzhener Rizhskoy gorodskoy telefonnoy seti(for Litvinskiy).
(Riga--Telephone)



, Mariette Sergeyevna.

Puteshestviye po sovetskoy Armenii [Journey Through Soviet Armenia] Moskva, Molodaya gvardiya, 1951.
358 p. illus.

IIN/5
621.12
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MAGYAR, M.

"For the Execution of the Resolution of the Congress." p. 365
(JARTUNK ES ELETUNK. Vol. 1, No. 12, Dec. 1954; Budapest, Hungary.)

So: Monthly List of East European Accessions, (EEAL), LC, Vol. 4,
No. 4, April 1956, Incl..

MAGIRIUS, GY.

2d National Conference on Rolling Stock, (To be contd.) p. 2 -,
JARMUVEK M [illegible] GEPEK (Dolgozo Ifjusag Szovetsege) Budapest,
Vol. 3, No. 8, Aug. 195[illegible]

SOURCE: East European Accessions List (EEAL) Library of Congress,
Vol. 5, No. 11, November 195[illegible]

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Vol. 5, No. 12, [illegible] [illegible]6

MAGIRIUS, GY.; JUHASZ, K.

Social work in connection with the development of dieselization andmachine-tool manufacture. p. 4 Vol. 11, No. 17 Sept. 1956. MUSZAKI ELET. Budapest Hungary.

SOURCE: East European List, (EEAL) Library of Congress Vol. 6, No. 1 January 1956.

MAGIRIUS, Gyula

Report on the 2d Hungarian Conference on Rolling Stocks. Jarmu mezo gep 4 no.1:43-46 Ap '57.

DOGVAL', Viktor Ivanovich; LIVSHITS, Erik Abramovich; LYSOCHENKO, Aleksandr Alekseyevich; NADEZHIN, Konstantin Nikolayevich; NOVOZHILOV, Yuriy Ivanovich; SOKOLOV, Nikolay Aleksandrovich; FEDOSEYEV, Oleg Vasil'yevich; YASKUNOV, Nikolay Pavlovich; MAGIROVSKIY, N.P., red.; PANKRASHOV, A.P., red.; POD"YEL'SKAYA, K.M., tekhn. red.

[TDT-40M diesel timber-skidding tractor] Trelevochnyi traktor TDT-40M. Pod red.N.P.Magirovskogo. Petrozavodsk, Gos. izd-vo Karel'skoi ASSR, 1961. 355 p. (MIRA 14:10)
(Tractors--Design and construction)

ANISIMOV, G.M.; GALYAMICHEV, V.A.; GOL'DBERG, A.M.; DRAKE, A.D.; KUZ'MIN, Yu.M.; LYSOCHENKO, A.A.; MAGIROVSKIY, N.F.; FEDOSEYEV, O.V.

Studying the operational conditions of the TDT-55 timber-skidding tractor. Trakt. i sel'khozmash. no.11:1-4 N '65. (MIRA 18:12)

1. Kafedra tyagovykh mashin Leningradskoy akademii imeni Kirova (for Anisimov, Galyamichev, Gol'berg, Drake). 2. Onezhskiy traktornyy zavod (for Kuz'min, Lysochenko, Magirovskiy, Fedoseyev).

L 26674-66 EWT(d)/EWP(h)/EWP(1)
ACC NR: AP6009551 SOURCE CODE: UR/0413/66/000/005/0093/0094

AUTHORS: Amel'kovich, I. I.; Artamonov, Yu. G.; Dyatlov, Ye. S.; Magirovskiy, N. P.; Novoshilov, Yu. I.; Orlov, S. F.; Pikkuvirta, P. O.; Podkovyrin, A. I.; Polyachenko, V. A.; Senchenko, L. P.; Fedoseyev, O. V.; Shubin, L. V. 32 B

ORG: none

TITLE: Machine for gathering, hauling, and transportation of felled trees. Class 45, No. 179539 [announced by Onega Tractor Factory (Onezhskiy traktornyy zavod); Leningrad Kirov Factory (Leningradskiy Kirovskiy zavod); Leningrad Forestry Technical Academy im. S. M. Kirov (Leningradskaya lesotekhnicheskaya akademiya)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 5, 1966, 93-94

TOPIC TAGS: tractor, forestry, forestry product

ABSTRACT: This Author Certificate presents a machine for hauling, gathering, and transporting felled trees, consisting of a mono-axle tractor, semitrailer with steering axle connected with the tractor by a universal joint, and a hoist. To insure a continuous pick-up of felled trees and their loading on the machine, the latter is equipped with a movable boom, to the end of which is attached a pincer clamp. To improve the maneuverability of the machine, the movable boom is mounted on the tractor frame and the pick-up device on the frame of the semi-trailer. To

Card 1/2 UDC: 629.114.4:634.0.377.4

L 26674-66

ACC NR: AP6009551

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prevent damage to the movable parts, the latter are protected by means of pipe fastened above the saddle hitch device. To facilitate the loading of large packets of trees, a pulley is attached to the protective pipe (see Fig. 1).

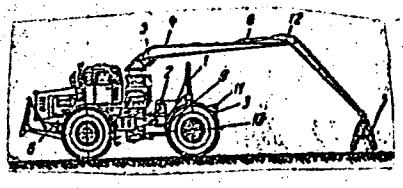

Fig. 1. 1 - pick-up assembly; 2 - hoist; 3 - saddle-hitch device; 4 - movable boom; 5 and 6 - power cylinders; 7 - pincer clamp; 8 - mono-axle tractor; 9 - semitrailer; 10 - steering axle of semitrailer; 11 - protective pipe; 12 - pulley.

Orig. art. has: 1 diagram.

SUB CODE: 13,02/ SUBM DATE: 15Jun64

Card 2/2 BLG

L 23875-66 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(l)

ACC NR: AP6009914 (A) SOURCE CODE: UR/0413/66/000/004/0112/0112

AUTHOR: Drozdovskiy, G. P.; Kolcminov, V. P.; Orlov, S. F.; Magirovskiy, M. P.; Fedoseyev, O. V.

ORG: none

TITLE: A machine for felling and hauling trees without the use of a choker. Class 45, No. 179112 [announced by Leningrad "Order of Lenin" Forestry-Engineering Academy imeni S. M. Kirov (Leningradskaya Ordena Lenina lesotekhnicheskaya akademiya); Onega Tractor Plant (Onezhskiy traktornyy zavod)]

SOURCE: Izobreteniya, promyshlennyy obraztsy, tovarnyye znaki, no. 4, 1966, 112

TOPIC TAGS: forestry, transportation equipment, woodworking machinery

ABSTRACT: This Author's Certificate introduces: 1. A machine for felling and hauling trees without the use of a choker. The unit includes a self-propelled base with a frame which rotates in the vertical longitudinal plane of the machine and carries an extensible roller arm. Also mounted on the base are a receiving and loading device with collapsible packing arm, a cutting mechanism, a winch, a drive, and a device for fastening the logs to the receiving beam. This latter device contains a constantly closed loop of cable fastened at the ends to the winch drum with a mechanism for keeping the loop separated. In order to increase productivity, simplify control of the

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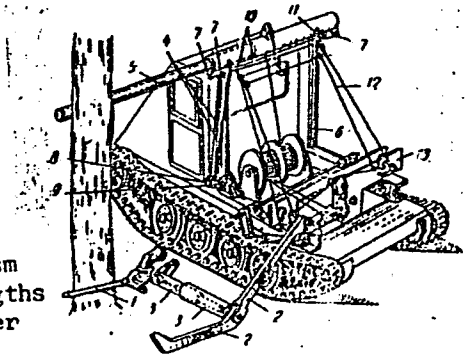
Card 1/3

machine and cut logs by various methods, the cutting mechanism is fastened to the packing arm of the receiving and loading device by a telescoping bar which may be ro-



1--cutting mechanism; 2--packing arm; 3--telescoping bar; 4--lengths of cable; 5--roller arm; 6--rotating frame; 7--pulleys; 8--drive for the roller arm extension mechanism; 9--drive for the cable loop separation mechanism; 10--cable guys; 11--guide rings; 12--cable loop; 13--receiving beam.

tated around its longitudinal axis. The mechanism for extension of the roller arm is made with lengths of cable fastened to the roller arm with the other ends passed through pulleys mounted on the upper cross beam of the rotating frame. These cables are driven by a unit which is connected with the drive for the mechanism which separates the cable loop. This mechanism is made with cable guys which are also fastened at one end to the drive while the other ends are passed through guide rings mounted on the upper cross beam of the rotating frame and freely connected to the cable loop of the device for fastening the logs to the receiving beam. 2. A modification of this machine in which the operation of the mechanism for extension of the roller arm is synchroniz-

L 23875-66
ACC NR: AP6009914 O

ed with that of the mechanism for separation of the cable loop by making their common drive in the form of two drums. One of these drums is rigidly fastened to the drive shaft while the other is connected to this shaft by a slip clutch.

SUB CODE: 02,13/ SUBM DATE: 29Mar65/ ORIG REF: 000/ OTH REF: 000

Card 3/3 dda

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Vol. [illegible], No. 1, 19[illegible].

Monthly List of East E[illegible] [illegible] [illegible]. [illegible], [illegible]. [illegible], [illegible]. [illegible].

[illegible]ncl.

MAGIFT, YE. G.

29093 - MAGI..., YE. G. I AVIKOM, S. M. -- Skorostnoy koloristichekiy Metod opredeleniya Stepeni Sgrevesneniya L'nyanogo Volokna Nauch-issled Trudy (ts Angr. Nauch-issled IN-T Lubyanykh Volokon) T. 1.., 1949, s. 5-15 Bibliogr: 7 nazv.

SO: Letopis' Zhurnal'nykh Statey, Vol. 3?, Moskva, 1949

YUGOSLAVIA/Human and Animal Physiology. Digestion. T

Abs Jour: Ref Zhur-Biol., No 8, 1958, 36596.

Author : Begovic, S., Maglajic, E.
Inst :
Title : The Effect of Dry Milk on the Motility of in Situ Isolated Intestine in Dog. The Purgative Effects of Milk.

Orig Pub: Veterinaria, 1957, 6, No 1, 105-113.

Abstract: A 10% emulsion of dry milk perfused slowly through an isolated, in situ, segment of the ileum of a dog, under anesthesia, increased peristaltic and pendulum-like motion of the isolated segment of the bowel. The effect of milk on the motility of an isolated bowel segment is similar to that of an aq. sol. of acetylcholine (I) of the same concentration as it

Card : 1/2

YUGOSLAVIA/Human and Animal Physiology. Digestion.

Abs Jour: Ref Zhur-Biol., No 3, 1958, 36996.

exists in the milk emulsion. Direct introduction of large doses of I in aq. sol. in isolated segments of the bowel not only increases peristaltis, through local action, but occasionally produced general convulsions; and for short periods of time brought the animals out of the narcotic state. The laxative effect of milk depends upon its concentration of I, which increases intestinal motility.

Card : 2/2

MAGLAJLIC, A.

Neurologic-psychiatric evaluation of automobile driving ability. Experience based on 1000 candidates. Neuropsihijatrija 10 no.1/2: 45-57 '62.

1. Iz Neurolosko-psihijatrijskog odjela bolnice "Dr M. Stojanovic — Zagreb (Sef odjela: Prim. dr Vladimir Hudolin).
(AUTOMOBILE DRIVER EXAMINATION) (NEUROLOGY)
(PSYCHOLOGICAL TESTS)

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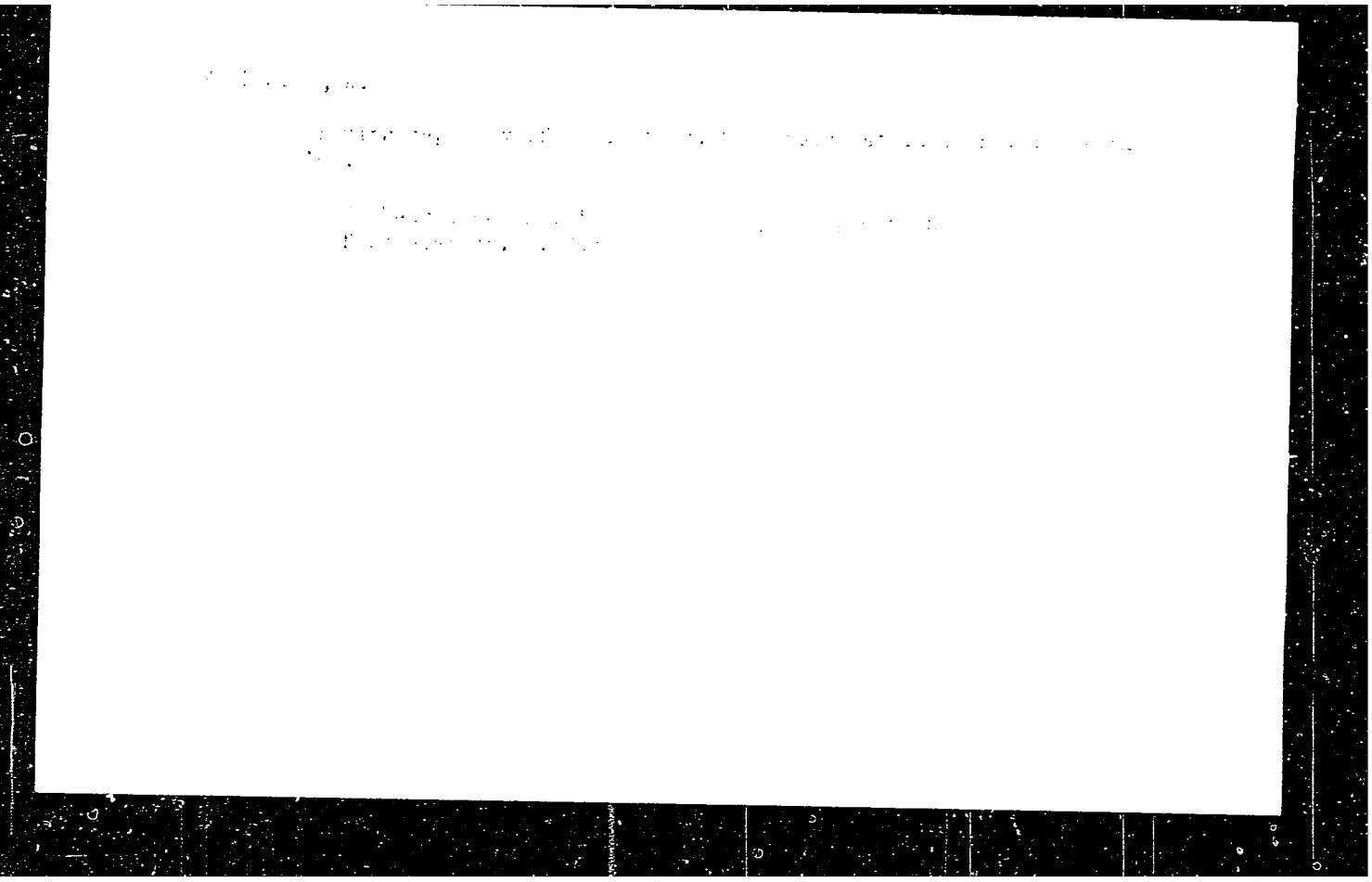


APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031410001-0"

YUGOSLAVIA/Diseases of Farm Animals. General Problems. R

Abs Jour: Ref Zhur-Biol., No 15, 1958, 69470.

Author : Maglajlic, E
Inst :
Title : Technique of the Injection of Fluid Therapeutic Substances into the Stomach of Swine.

Orig Pub: Veterinaria (Jugosl.), 1957, 6, No 2-3, 332-335.

Abstract: The author advocates the injection of fluid therapeutic preparations into the stomach of swine to be performed with a syringe by means of a puncture in the abdominal wall, effected 1-2 cm. below the ensiform appendix. By this method, barium sulfate was injected into the stomach of 30 animals. Roentgenoscopy showed that with the exception

Card : 1/2

YUGOSLAVIA/Diseases of Farm Animals. General Problems. F

Abs Jour: Ref Zhur-Biol., No 15, 1958, 69470

of one case, barium sulfate was introduced into the stomach. -- A. N. Ivanov.

Card : 2/2

MAGLAJLIC, Dr. Ekrem

"The Application of the Nose Stomach Tube in Sheep & Goats." Dr. Ekrem Maglajlic - Prof. Vet. Faculty, Sarajevo Univ.

SOURCE: Vet., SVEZAK 4, p. 662, 1953

MAGLAJLIC, E.

AUST.

Determination of acetylcholine in mare milk and its influence on peristalsis. S. Begovic and E. Maglajlic. (Univ. Sarajevo). *Wien. tierärztl. Monatschr.* [illegible] (1955). — By using the eservated leech prepn. and the isolated frog heart, it could be detd. that 1 cc. fresh mare milk contains 1 γ acetylcholine (I), which is 10 times more than found in cow milk. Horses possess a very active cholinesterase and therefore are not as susceptible to the toxic effects of I as are cows. In dried cow milk, however, the I content is the same as in fresh mare milk. The different amt. of I contained in the milk prepns. can be shown when injected into the small intestines of dogs, according to the method of Straub and Triendl (cf. *C.A.* 32, 5012[1]), by producing different degrees of peristalsis. Rudolph Seiden

MAGAJLIC, E.

Acetylcholine in cow milk. S. Begović and E. Magajlić (Fac. vet. med., Sarajevo, Yugoslavia). *Naunyn-Schmiedebergs Arch. expil. Pathol. Pharmakol.* 224, 41-7(1955).— One cc. fresh milk contains 0.1 γ acetylcholine; 1 g. of dried whole milk contains 1 γ acetylcholine. A. E. M.

MAGALASHVILI, A. V. [illegible]

USSR/Diseases of Farm Animals. Diseases [illegible] Fungi [illegible] R-2 [illegible]

Abs Jour : Ref Zhur - Biol., [illegible], 195[illegible], [illegible]7[illegible]

Author : Magl[illegible] Aide[illegible], A.

Inst : Georgian Z[illegible] Veterinary Institute Tbilisi.

Title : Infections [illegible] in Swine in the Georgian SSR.

Orig Pub : Materialy [illegible], k 25-l [illegible] Gruz. zootekhn.-vet. in-ta. Tbilisi, 195[illegible], 54-56

Abstract : No abstract.

Card 1/1

MAGLAKELIDZE, A. V., Candidate Vet Sci (diss) -- "Infectious atrophic rhinitis of swine under the conditions of Georgia". Kirovabad, 1959. 16 pp (Min Agric USSR, Azerb Agric Inst), 150 copies (KL, No 22, 1959, 119)

137-1957-12-23253

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 12, p 57 (USSR)

AUTHOR: Maglakelidze, P. M.

TITLE: Results of the Operation of a KU-50 Recovery Boiler (Opyt ekspluatatsii kotla-utilizatora KU-50)

PERIODICAL: V sb.: Kotly-utilizatory martenovsk. pechey. Moscow, 1957, pp 166-171

ABSTRACT: The steam from the recovery boiler (RB), installed with open-hearth furnaces of a capacity of 130 tons, is employed for the atomizing of fuel oil. The average and the maximum steam-generating capacity of the RB is 5 - 6 t/hr and 9 - 10 t/hr, respectively, with a pressure of 11 - 12 atm (gauge) (Translator's Note - gauge pressure above free-air atmospheric pressure), the temperature of the superheated steam being 390° and the efficiency of the RB being 70 percent. The heating surfaces are cleaned every 2 - 3 days with water and compressed air, the procedure requiring 2 - 3 hrs. A rinsing system did not prove effective since only the heating surfaces of the first rows of pipes were washed off. After washing, the steam temperature increased by 30 - 35°, the temperature of the waste

Card 1/2

Results of the Operation of the KU-40 Recovery Boiler

gases was reduced by 50 - 55% and the steam-generating capacity of the RB increased by ... t/hr. After the installation of the RB the durability of the furnace crown increased by 15 percent, and the run of the furnace was extended by 10 percent. The furnace operated with the RB's 81.5 percent of the time. The specific steam output is 420 kg per ton of steel. The cost of the steam generated by the RB is Rubles 10.07 which is ... times less than the cost of steam produced at the plant TET ... (Translator's Note - Heat Energy Central), the annual saving of fuel amounts to 6,250 tons. The initial investment is recovered in ... years. The specific consumption of electrical energy is ... kw ... per ton of steam.

N

1. Boilers-Operation 2. Steam-Applications 3. Boilers-Maintenance 4. Boilers-Test methods 5. ...

Card 2/2

DZVELAYA, M.F.; MAGLAPERIDZE, K.S.

New data on the Guria strata of western Georgia. Dokl. AN SSSR 96 no.1: 155-157 My '54. (MLRA 7:5)

1. Predstavleno akademikom S.I.Mironovym.
(Guria--Geology, Stratigraphic) (Geology, Stratigraphic--Guria)

32068
S/196/61/000/012/017/029
E194/E155

26 2351

AUTHORS: Lutidze, Sh.I. and Maglaperidze, O.K.

TITLE: Steady-state conditions of an alternator with ionic excitation

PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika no.12, 1961, 18, abstract 12E 114 (Elektroenergetika, no.2, 1960, 94-104)

TEXT: Determination of the steady-state conditions of an alternator with ionic excitation is based on the equations of the external characteristics of a rectifier and of the no-load characteristics of the generator, which lead to the following expressions, respectively:

$$i_B = \frac{AE}{1 + B} \quad (1), \qquad E_d = \frac{\beta}{\xi} i_B \quad (2), \qquad \varepsilon = \frac{E_d}{E} \quad (3).$$

where: i_B - the field current (relative to that giving rated voltage at no-load); E - the relative designed e.m.f. of the secondary winding of the series voltage booster transformer.

Card 1/4

Steady state conditions of an .

A and B - parameters of the rectifier circuit (A depends on the control angle α with a known transformation ratio k_T of the rectifier transformer and known circuit rectification coefficient, B depends on the total inductive impedance of the anode circuit allowing for zero phase-sequence impedance when the buffer valves operate according to the corresponding circuit coefficient) β and ξ are respectively the tangent of the angle of slope of the tangent and the saturation factor at the given point on the no-load characteristic of the generator. The condition of existence of a steady-state condition corresponds to I_B being equal in expressions (1) and (2):

$$\xi = \frac{\beta A}{\xi (1 + B)} \qquad (4)$$

which corresponds graphically to the point of intersection between the straight line $E_d = \frac{\xi (1 + B)}{A} I_B$

with the no-load characteristic of the generator observing the

Steady-state conditions of an ..

requirement $\frac{\varepsilon(1 + B)}{A} > B$ (it is necessary that $\xi < 1$ ...

it is necessary that the no-load characteristic should differ from a straight line). For the generator operating conditions under consideration, the control angle α is determined from expression (4) for known values of ε, β, ξ and B. Thereby for calculating $\dot{E} = |\dot{U} + j\dot{x}_M I|$, in the function E_d the equations interrelating the stator values and the voltage of the receiving system U_1 are applied for the general case of the generator being connected to the system through a quadripole. This yields (in the general form): $E = f(U_1, E_d, \delta)$. The valve commutation angle γ is determined from an equation between α and γ:

$$\cos(\alpha + \gamma) = \frac{1 - B}{1 + B} \cos \alpha \qquad (5)$$

Card 3/4

32668

Steady-state conditions of an ... S/196/61/000/012/017/029
E194/E155

Expressions (1) and (5) are obtained without allowing for voltage drop in the valve arc or the change in the field winding resistance with temperature.
2 literature references.
see also Ref.Zh. E, no.12, 1959, 24365

[Abstractor's note: Complete translation.]

Card 4/4

LUTIDZE, Sh.I.; MAGLAPERIDZE, O.K.

Ionic exciter in asymmetrical operations. Elektroenergetika no.4:42-48 '61. (MIRA 14:8)
(Electric current rectifiers) (Electric generators)

LUTIDZE, Sh.I.; MAGLAPERIDZE, O.K.

Ionic self-excitation of synchronous generators using a three-phase staggered circuit with a buffer-type rectifier.
Elektroenergetika no.4:149-162 '61. (MIRA 14:8)
(Turbogenerators)

MAGLAPERIDZE, Otar Nikolayevich; SAKHANBERIDZE, Nikolay Georgiyevich

[22nd Congress of the CPSU on the Development of the Chemical Industry] [XXII s"ezd KPSS o razvitii khimicheskoi promyshlennosti. Tbilisi, Gos.izd-vo "Sabchota Sakartvelo"] 1962. 60 p. [In Georgian] (MIRA 17:5)

VULPESCU, Sonia; PAPPO, A.; MAGLASU, D.

Non-specific jejunal ulcer. (Radiological diagnosis). Stud. cercet. med. intern. 3 no.4:495-497 '62.
(PEPTIC ULCER) (JEJUNUM) (RADIOGRAPHY)

MARIĆ, P.

Glass-to-metal Seals Making for Laboratory Purposes by a High-Frequency Method of Heating,

Si: Recueil de travaux, No. 1, Belgrade, Oktobar 1962 (PUB. of VINCA INST.)

MAGLIC, Bogdan C.

Chemical Abst.
Vol. 48 No. 3
Feb. 10, 1954
Nuclear Phenomena

8-19-54 RMZ

② Nuc Pc

Equipment for the production of neutrons with a 1.5-m.e.v. accelerator. Bogdan C. Maglić (Inst. Nuclear Sci. "Boris Kidrich", Belgrade, Yugoslavia). *Bull. Inst. Nuclear Sci. "Boris Kidrich"* (Belgrade) 3, 111–18(1953); cf. Hanson, *et al.*, *C.A.* 44, 3368a; Lampi, *C.A.* 46, 1137*f*.—Target devices were made to extend the use of a Cockroft-Walton accelerator of 1.5 m.e.v. A rotating Li target was used to obtain a high flux of neutrons lasting for many hrs. At 1 million-v. bombarding tension and ion current of 200 microamp. this target gives 118 curie Ra-Be equiv. It was used for expts. in which the geometry of the source had no importance. The construction makes possible a quick rotation without a special O-ring. For cases which require monoenergetic neutrons and neutrons without γ-rays, a heavy-ice target was constructed. The target tube moves translatory so that the deuteron beam always bombards fresh ice. D_2O, Be, and Bi targets are used when sym.-shaped neutron sources are required. The neutron flux of the Be target is measured at 1.2 million v., with an ion current of 75 microamp. and is equal to 266 curies Ra-Be equiv. A simple automatic app. for the electrolysis of D_2O was constructed (*C.A.* 45, 7383*g*). C. J. O'Brien

MAGLIC, Cragan C.

NOTE ON THE EQUIPMENT FOR THE PRODUCTION OF NEUTRONS WITH A 1.5 MEV. ACCELERATOR. Ilragan C. Maglic (Inst. of Nuclear Sciences, Belgrade, Yugoslavia). Atomics 5, 85-90, 93(1954) Mar.

In order to extend the use of the Cockroft-Walton accelerator of 1.5 Mev for the production of neutrons of several energies, target devices have been made complying with the conditions required by the different needs of research, as well as an equipment supplying the accelerator with deuterium. These devices are described in this article. (auth)

Maglić, B.

YUGO.

6487

AN ACCURATE DETERMINATION OF THE ENERGY OF THE $D(d,n)^3He$ REACTION. Sonja Subotić and Bogdan Maglić (Inst. of Nuclear Sciences, Boris Kidrić, Belgrade). Phil. Mag. (7) 46, 805-7(1955) July.

NU (1)

A method is described for the accurate measurement of the Q value of the $D(d,n)He^3$ reaction. Experiments yielded a value of 3.272 ± 0.023 Mev, which is compared with values obtained by other methods. (B.J.P.)

MAGLIC, B.

Distr: 4E3c/4E3d 19 5 1-TK 2

Polarization of protons from the *d-d* reaction at 1.2 m.e.v. Bogdan Maglić and Jovan Vuković (Inst. Nuclear Sci. "Boris Kidrič", Belgrade, Yugoslavia). *Nuclear Phys.* 6, 443–5(1958).—The study was to det. whether there is an essential change of the magnitude or sign of polarization at energies greater than 1 m.e.v. It was concluded that both magnitude and sign of polarization are nearly independent of energy in the region 0.3 to 1.2 m.e.v. N. E. Pickering—

JB 1/1

KRASNICKI, Sz.; DIMITRIJEVIC, Z.; MAGLIC, R.; MARKOVIC, V.; TODOROVIC, J.; WANIC, A.

Temperature dependence of spin fluctuation scattering of neutrons on pyrrhotite. Inst fiz jadr report no.280:1-24 '63.

1. Instytut Fizyki Jadrowej, Krakow (for Krasnicki and Wanic).
2. Institute for Nuclear Sciences, Vinca, Yugoslavia (for Dimitrijevic, Maglic, Markovic, Todorovic).

MAGNARADZE, G F

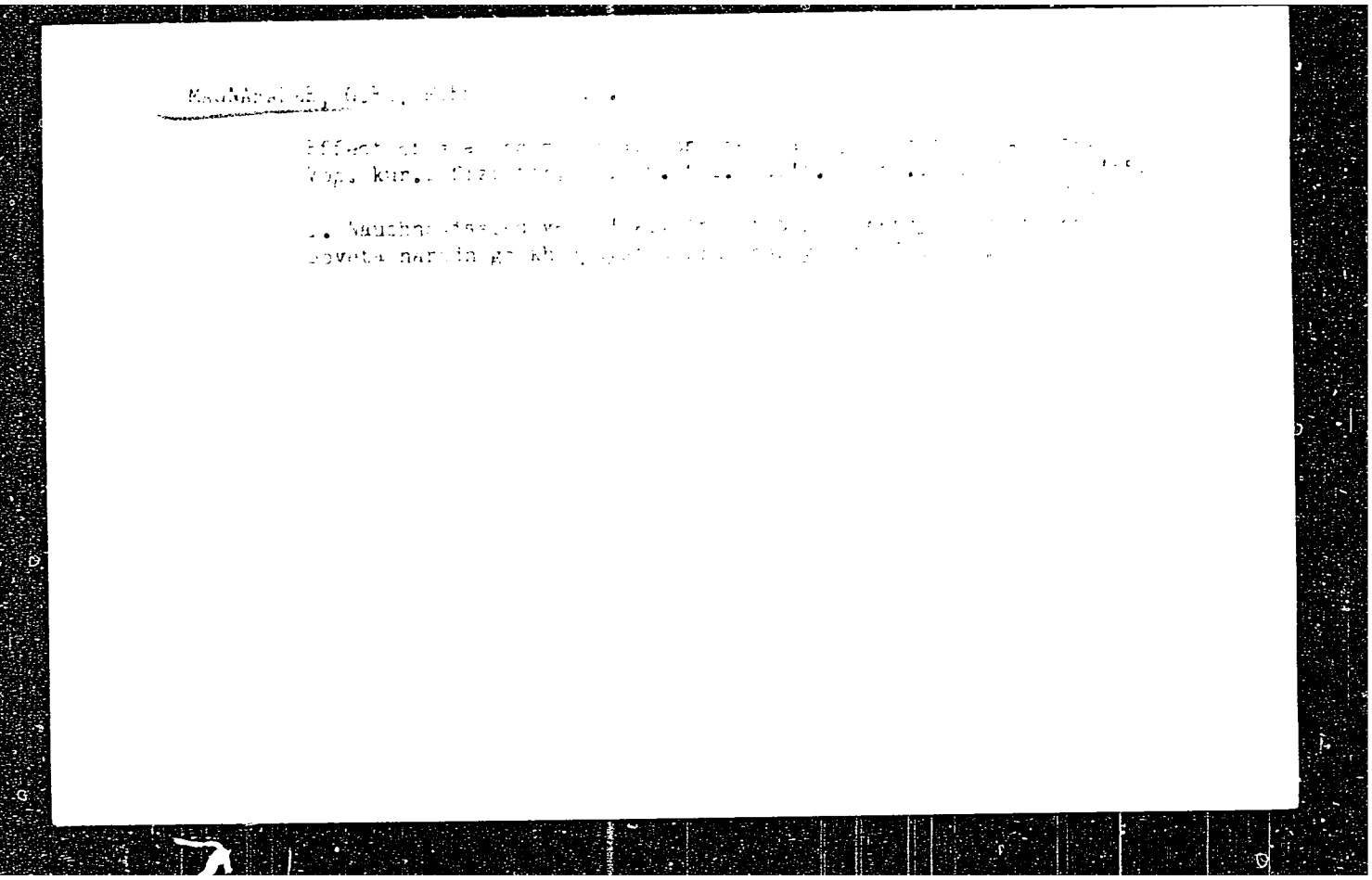
Def. at
Tbilisi State U.

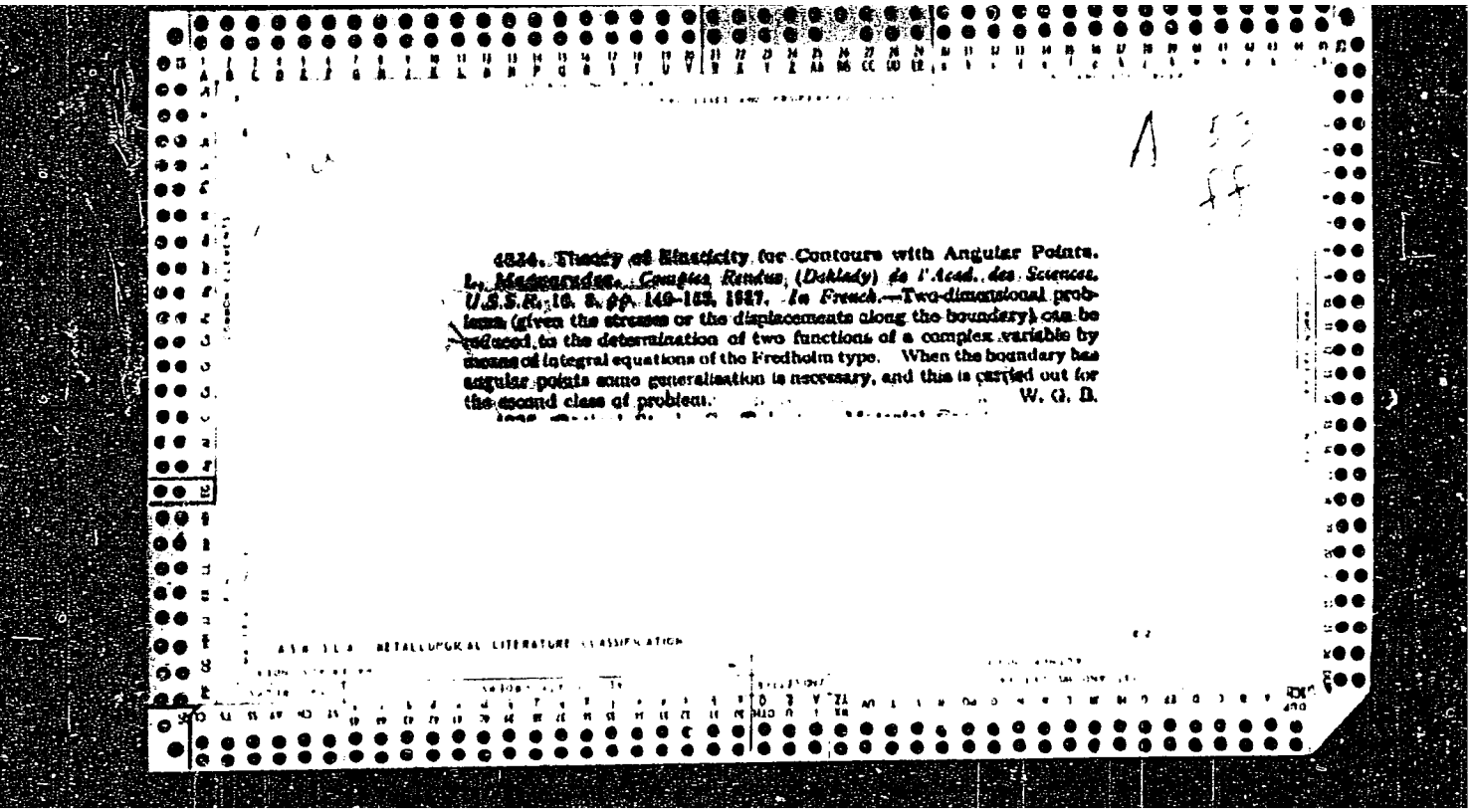
MAGNARADZE, G. F.

Magnaradze, G. F.

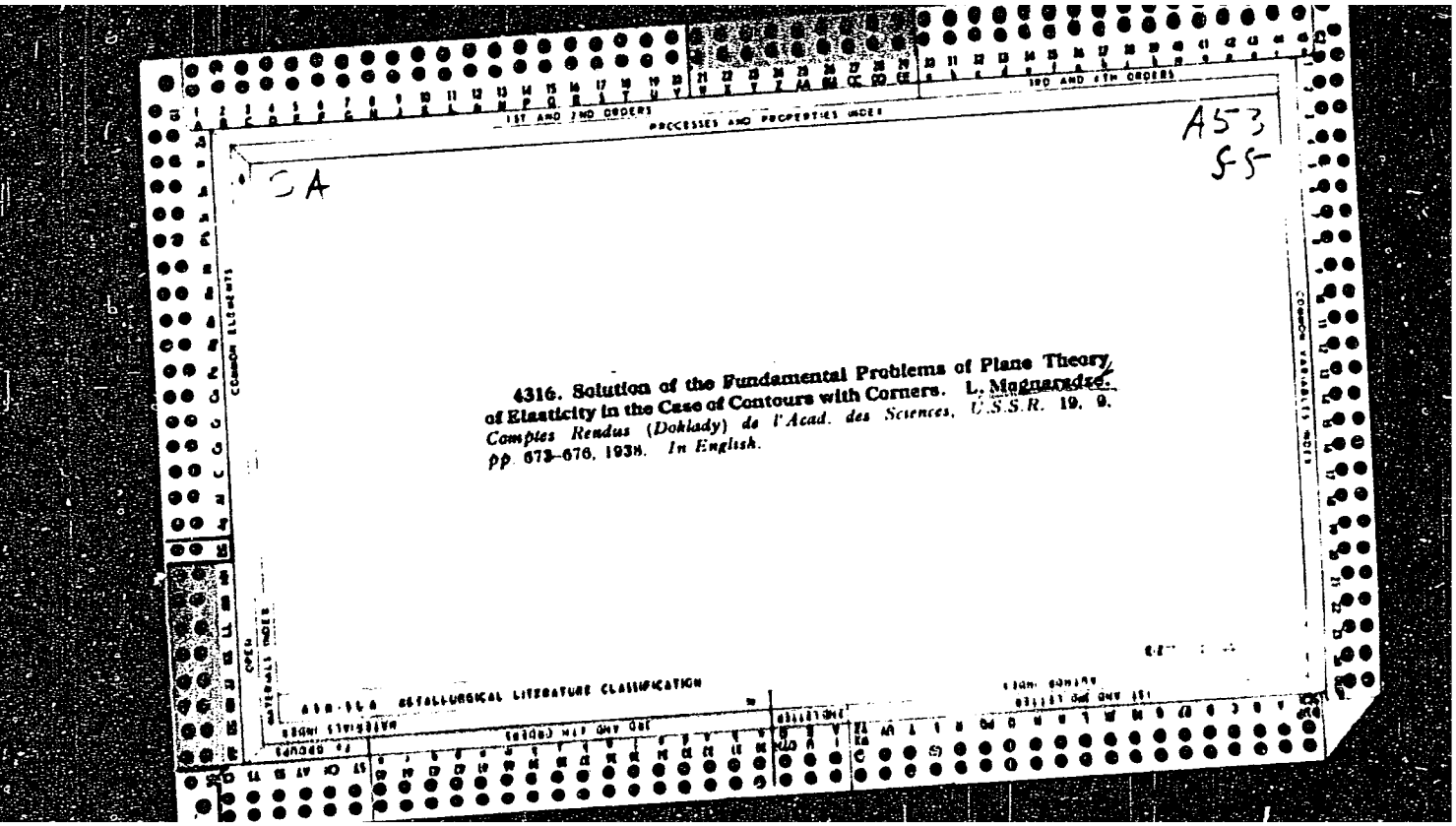
"Fluorine in Mineral and Plant Centers in Certain Parts of Georgia." Tbilisi State U imeni I. V. Stalin. Tbilisi, 1955. (Dissertation for the Degree of Candidate in Chemical Sciences)

So: Knizhna a letopis', No. 27, 2 Jul 1955





4824. Theory of Elasticity for Contours with Angular Points. L. Magnaradze. *Comptes Rendus (Doklady) de l'Acad. des Sciences, U.S.S.R.*, 19, 3, pp. 149–155, 1937. *In French.*—Two-dimensional problems (given the stresses or the displacements along the boundary) can be reduced to the determination of two functions of a complex variable by means of integral equations of the Fredholm type. When the boundary has angular points some generalisation is necessary, and this is carried out for the second class of problem. W. G. B.



4316. Solution of the Fundamental Problems of Plane Theory of Elasticity in the Case of Contours with Corners. L. Magnaradze. *Comptes Rendus (Doklady) de l'Acad. des Sciences, U.S.S.R.* 19, 9, pp. 673–676, 1938. *In English.*

MAGNARADZE, I. G.

715 Бурчуладзе Тенгиз Владимирович. Асимптотическое поведение фундаментальных функций колебания упругого тела. 1955. 114 с.
Защ. 1956, 18.2.

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Защ. 1937, 5.6.

717. Габададзе Николай Алексеевич. Применение комплексных и гиперкомплексных чисел в теории примолинейных конгруэнций. Кутаиси. 1953. 66 с. (Кутаисский пед. инст.) (Тр. Кут. пединст., т. 14, Сообщ. АН ГССР, т. 15, № 10.
Защ. 1953, 26.12.

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Защ. 1957, 14.9.

719 Гегелиа Тенгиз Георгиевич. О граничных задачах линейного сопряжения и о сингулярных интегральных уравнениях. 1954. 111 с.
Защ. 1954. 27.11.

720 Горгидзе Алексей Ясонович. Об одном применении метода последовательных приближений в теории упругости. 1937.
Защ. 1937, 9.10.

721 Гухуа Шота Несторович. О теоремах типа Абеля. Сухуми. 1955. 56 с. (Сухумский пед. инст.)
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Защ. 1939. 23.6.

723 Мецхваришвили Ясон Георгиевич. О предельных решениях дифференциального уравнения гиперболического типа с переменными коэффициентами в случае двух независимых переменных. (Тр. Тбил. матем. инст. т. 4 1938).
Защ. 1938, 17.5.

724. Патарая Никанор Николаевич. Некоторые вопросы гидродинамического взаимодействия совместно движущихся в жидкости тел. 1947. 107 с. (Тр. ТГУ, т. 48, 1953; т. 54. 1954.
Защ. 1948, 24.4.

725 Симонис Вахтанг Тарасович. Представления полупростых алгебр Ли с двумерными максимальными разрешимыми подалгебрами. 1955. 157 с.
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Защ. 1938, 17.5.

728. Халилов Заид Исмаил Оглы. Решение задачи Клебша Clebsch's методом теории функций комплексного переменного. Баку. 1939 (Азерб. гос. университет) (Изв. АН Азерб. ССР. 1949 № 4).
Защ. 1940, 22.4.

729 Харазов Давид Фомич. Некоторые вопросы теории аналитических дифференциальных уравнений. 1942. 59 с.
Защ. 1942, 26.2.

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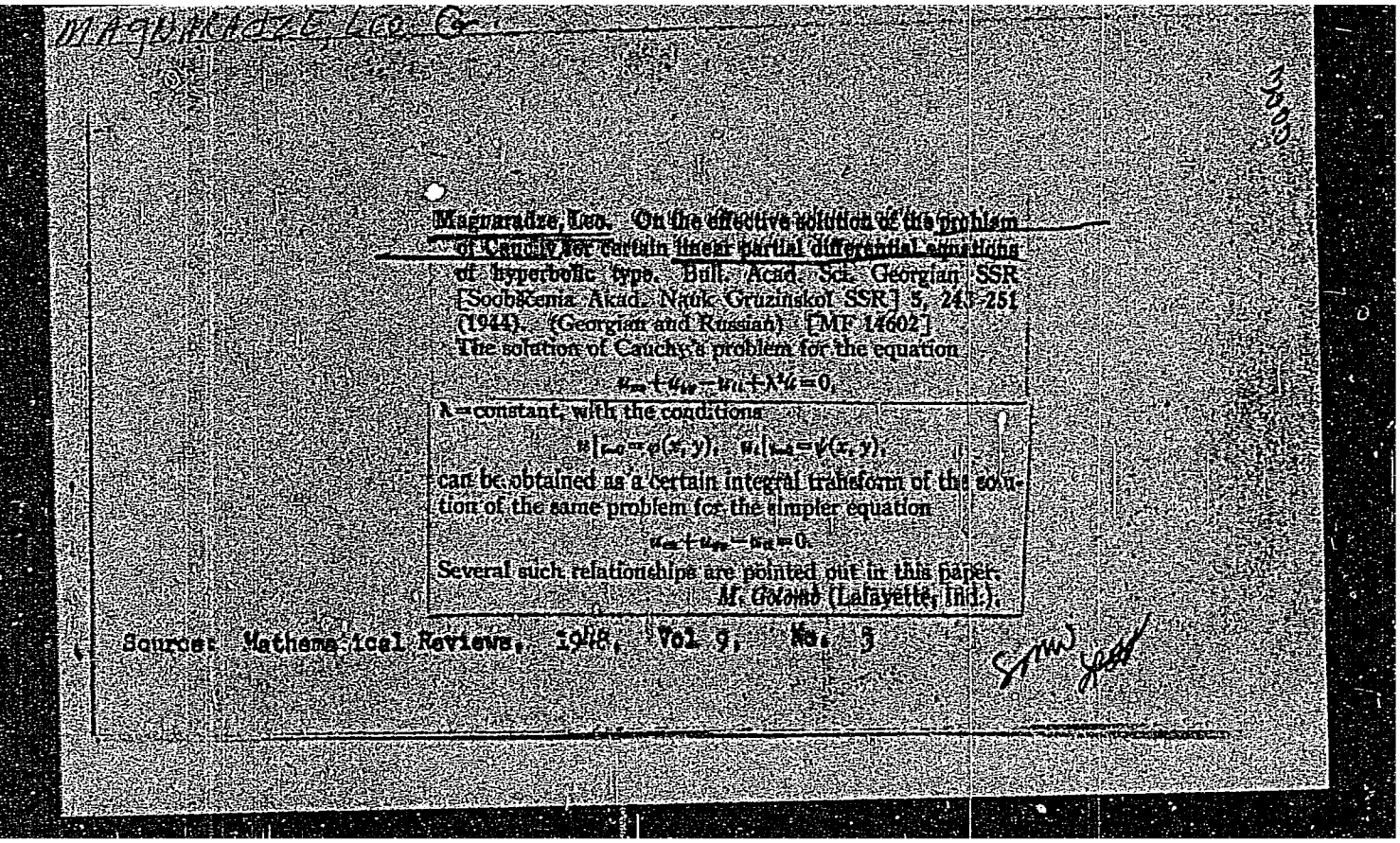
Защ. 1949, 25.6.

731 Цицкишвили Мильтиад Исаакиевич. Основные граничные задачи теории установившихся упругих колебаний для областей с угловыми точками и для поверхностей с угловыми линиями. 1954. 75 с.
Защ. 1954, 29.6.

Dissertation for degree of
Candidate Mathematical Sciences

Def. at
Tbilisi State U.



MAGNARADZE, Leo G.

Magnaradze, Leo. On the effective solution of the problem of Cauchy for certain linear partial differential equations of hyperbolic type. Bull. Acad. Sci. Georgian SSR [Soobščenia Akad. Nauk Gruzinskoĭ SSR] 5, 247-251 (1944). (Georgian and Russian) [MF 14602]

The solution of Cauchy's problem for the equation

$$u_{xx}+u_{yy}-u_{tt}+\lambda^2 u=0,$$

λ=constant, with the conditions

$$u|_{t=0}=\varphi(x,y), \quad u_t|_{t=0}=\psi(x,y),$$

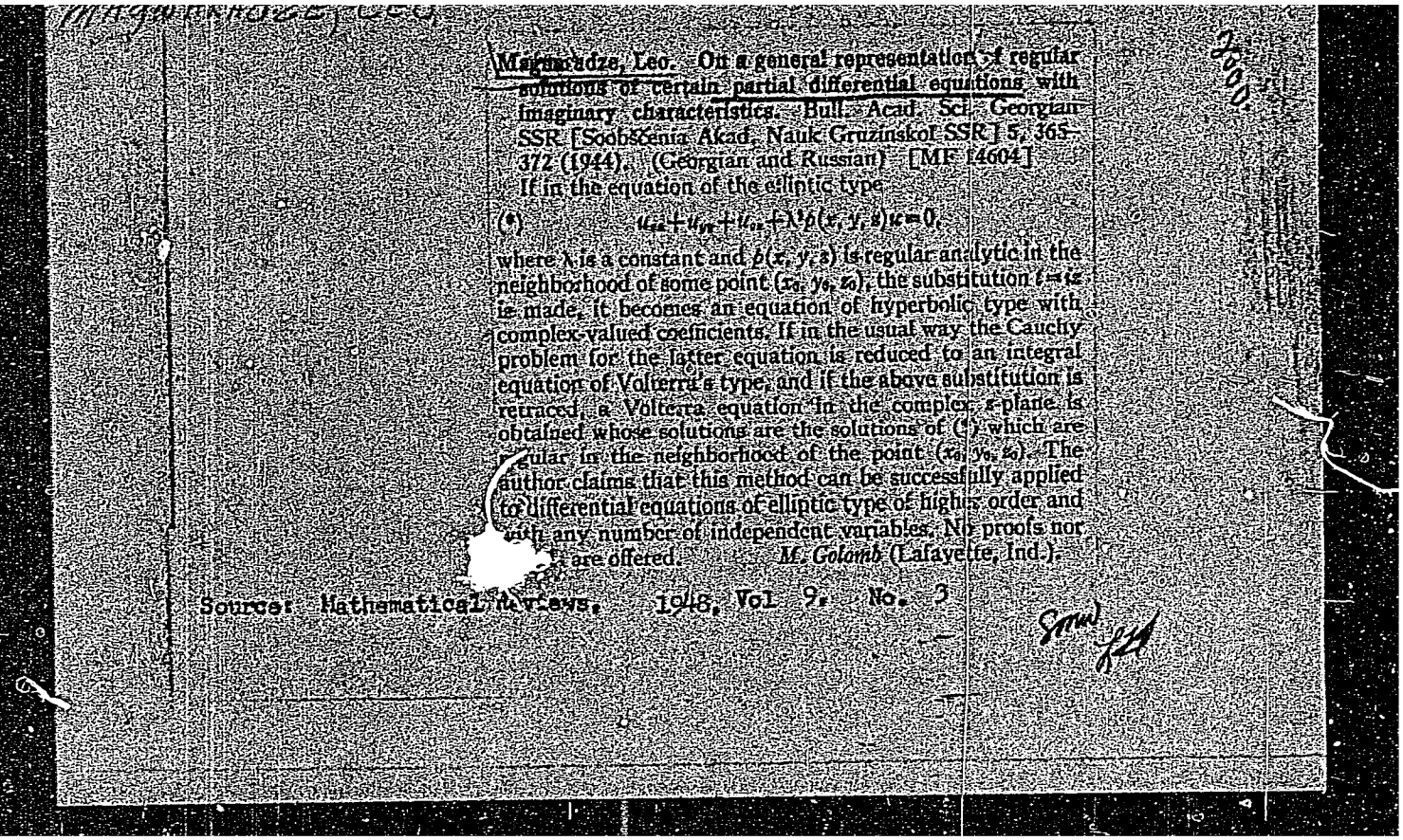
can be obtained as a certain integral transform of the solution of the same problem for the simpler equation

$$u_{xx}+u_{yy}-u_{tt}=0.$$

Several such relationships are pointed out in this paper.

M. Golomb (Lafayette, Ind.).

Source: Mathematical Reviews, 1948, Vol 9, No. 5



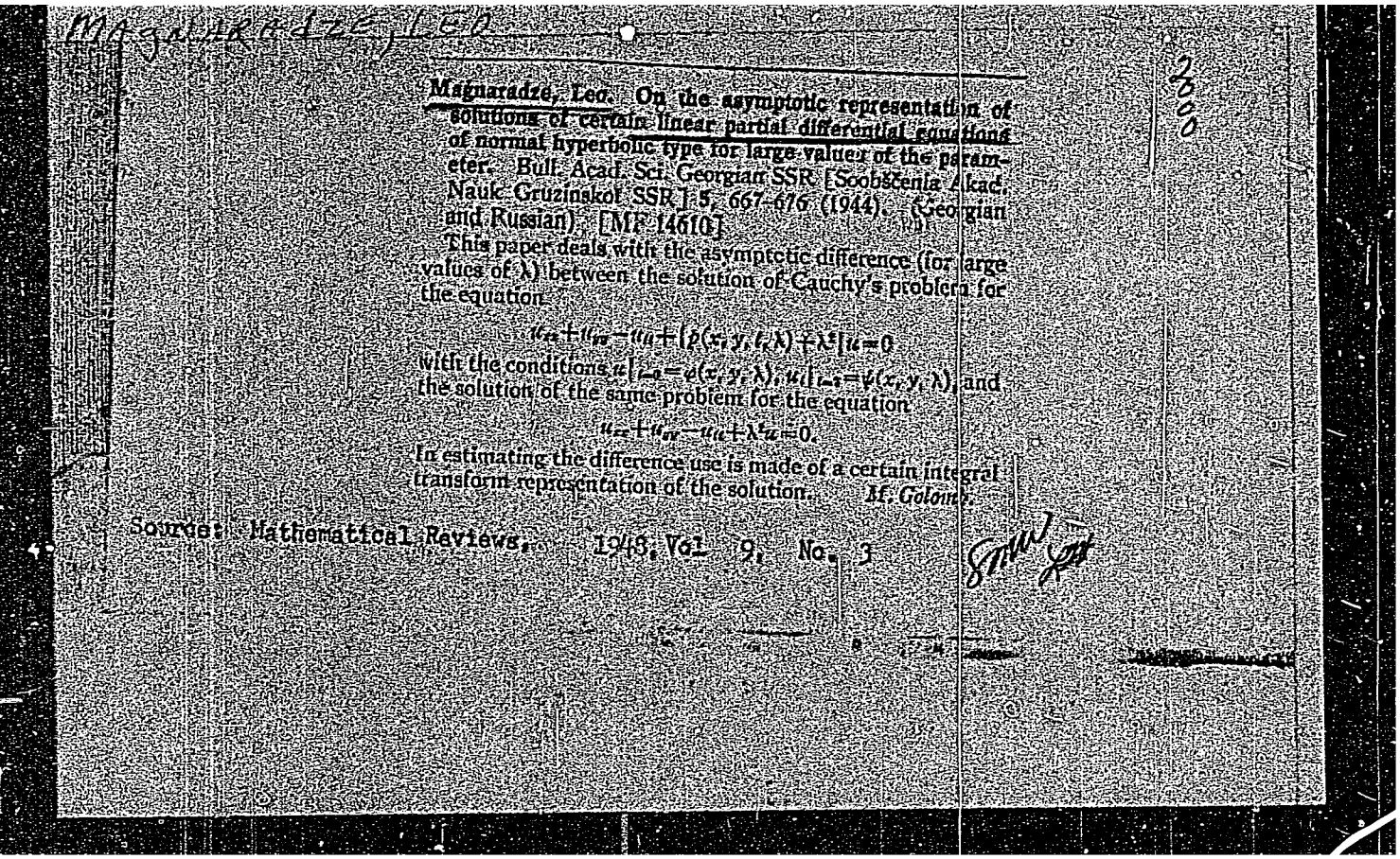
Magnaradze, Leo. On a general representation of regular solutions of certain partial differential equations with imaginary characteristics. Bull. Acad. Sci. Georgian SSR [Soobščenia Akad. Nauk Gruzinskoĭ SSR] 5, 365–372 (1944). (Georgian and Russian) [MF 4604]

If in the equation of the elliptic type

$$(*) \qquad u_{xx}+u_{yy}+u_{zz}+\lambda^2 p(x, y, z)u=0,$$

where λ is a constant and $p(x, y, z)$ is regular analytic in the neighborhood of some point (x_0, y_0, z_0), the substitution $t=iz$ is made, it becomes an equation of hyperbolic type with complex-valued coefficients. If in the usual way the Cauchy problem for the latter equation is reduced to an integral equation of Volterra's type, and if the above substitution is retraced, a Volterra equation in the complex z-plane is obtained whose solutions are the solutions of (*) which are regular in the neighborhood of the point (x_0, y_0, z_0). The author claims that this method can be successfully applied to differential equations of elliptic type of higher order and with any number of independent variables. No proofs nor [illegible] are offered. *M. Golomb* (Lafayette, Ind.).

Source: Mathematical Reviews, 1948, Vol. 9, No. 3



Magnaradze, Leo

2300

Magnaradze, Leo. On the asymptotic representation of solutions of certain linear partial differential equations of normal hyperbolic type for large values of the parameter. Bull. Acad. Sci. Georgian SSR [Soobščenia Akad. Nauk Gruzinskoĭ SSR] 5, 667–676 (1944). (Georgian and Russian). [MF 14610]

This paper deals with the asymptotic difference (for large values of λ) between the solution of Cauchy's problem for the equation

$$u_{xx}+u_{yy}=u_{tt}+[p(x,y,t,\lambda)+\lambda^2]u=0$$

with the conditions $u|_{t=0}=\varphi(x,y,\lambda)$, $u_t|_{t=0}=\psi(x,y,\lambda)$, and the solution of the same problem for the equation

$$u_{xx}+u_{yy}-u_{tt}+\lambda^2 u=0.$$

In estimating the difference use is made of a certain integral transform representation of the solution. *If. Golomy.*

Source: Mathematical Reviews, 1948, Vol 9, No. 3

MAGNARADZE, Leo.

Abelian theorem for double Laplace transforms. Soob.AN Gruz. SSR 8 no.3:113-119 '47. (MLRA 9:7)

1.Akademiya nauk Gruzinskoy SSR, Tbilisskiy matematicheskiy institut imeni A.M.Razmadze. Predstavleno akademikom N.I.Muskhelishvili.
(Laplace transformation)

MAGNARADZE, Leo.

A generalization of the Plemelj-privalov theorem. Soob.AN Gruz.SSR 8 no.8:509-516 '47. (MIRA 9:7)

1.Akademiya nauk Gruzinskoy SSR, Tbilisskiy matematicheskiy institut imeni A.M.Razmadze.
(Functions)

MAGNARADZE, Leo.

A Riemann-Hilbert linear boundary problem. Soob.AN Gruz.SSR 8 no.9/10:585-590 '47. (MLRA 9:7)

1.Akademiya nauk Gruzinskoy SSR, Tbilisskiy matematicheskiy institut imeni A.M.Razmadze. Predstavleno akademikom N.I.Muskhelishvili.
(Differential equations) (Integral equations)

MAGNARADZE, Leo.

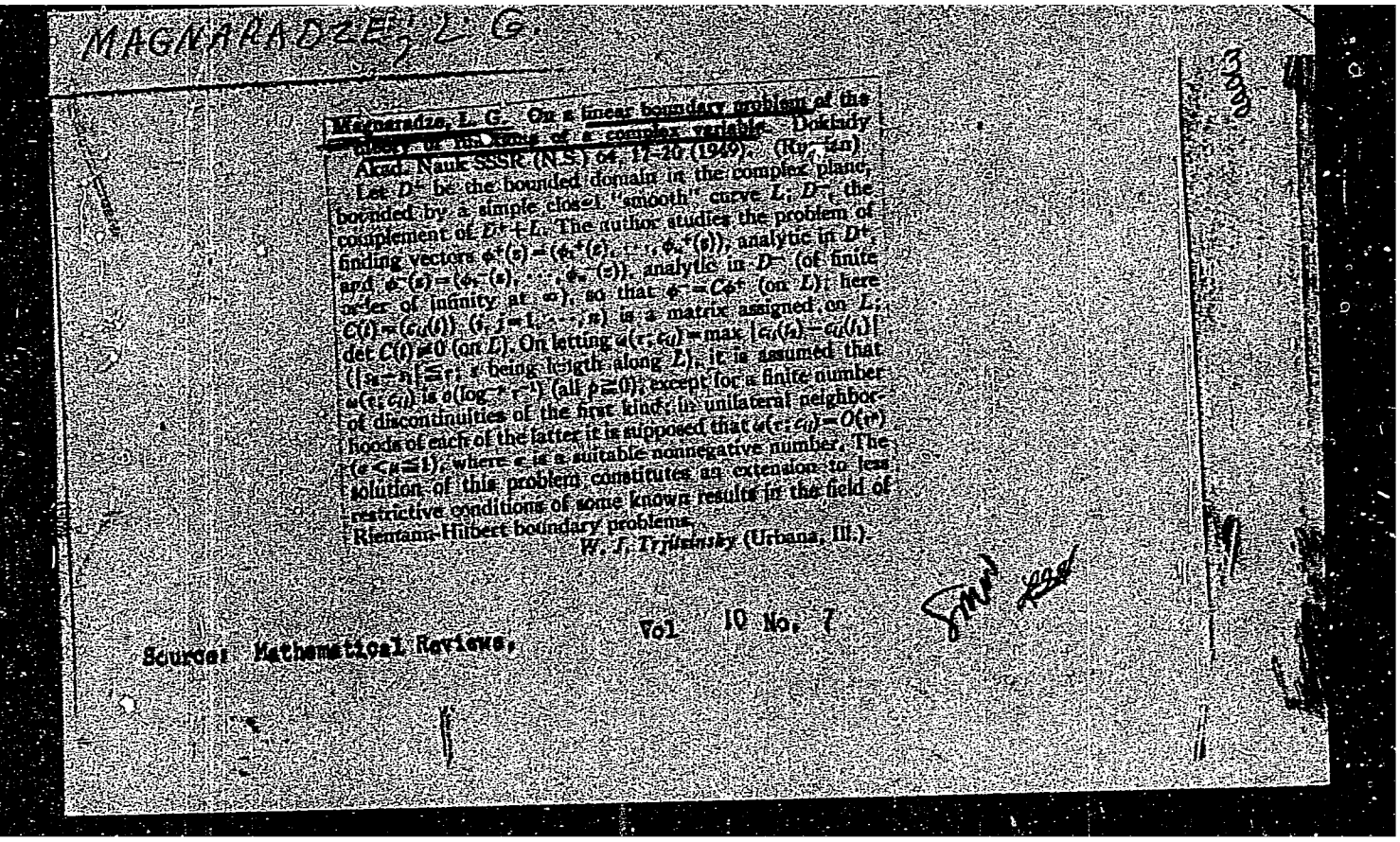
Tangential derivative of a pogarithmic potential of a simple layer.
Soob.AN Gruz.SSR 8 no.9/10:591-596 '47. (MIRA 9:7)

1.Akademiya nauk Gruzinskoy SSR, Tbilisskiy matematicheskiy institut imeni A.M.Razmadze. Predstavleno akademikom N.I.Muskhelishvili.
(Potential, Theory of) (Integral equations)

MAGNARADZE, L.

Magnaradze, L. - "Direct and reverse limit theorems for double integral transformations", Soobshch. Akad. nauk Gruz. SSR, 1948, Nos. 9-10, p. 527-32.

SO: U-411, 17 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 20, 1949).



MAGNARADZE, L. G.

Magnaradze, L. G. On a linear boundary problem of the theory of functions of a complex variable. Doklady Akad. Nauk SSSR (N.S.) 64, 17–20 (1949). (Ru)

Let D^+ be the bounded domain in the complex plane, bounded by a simple closed "smooth" curve L, D^- the complement of $D^+ + L$. The author studies the problem of finding vectors $\phi^+(z) = (\phi_1^+(z), \ldots, \phi_n^+(z))$, analytic in D^+, and $\phi^-(z) = (\phi_1^-(z), \ldots, \phi_n^-(z))$, analytic in D^- (of finite order at infinity at ∞), so that $\phi^- = C\phi^+$ (on L); here $C(t) = (c_{ij}(t))$ $(i, j = 1, \ldots, n)$ is a matrix assigned on L, $\det C(t) \neq 0$ (on L). On letting $\omega(\tau; c_{ij}) = \max |c_{ij}(t_2) - c_{ij}(t_1)|$ $(|t_2 - t_1| \leq \tau$; s being length along L), it is assumed that $\omega(\tau; c_{ij})$ is $\theta(\log^{-\rho} \tau^{-1})$ (all $\rho \geq 0$), except for a finite number of discontinuities of the first kind; in unilateral neighborhoods of each of the latter it is supposed that $\omega(\tau; c_{ij}) = O(\tau^\alpha)$ $(\alpha < \alpha \leq 1)$, where α is a suitable nonnegative number. The solution of this problem constitutes an extension to less restrictive conditions of some known results in the field of Riemann-Hilbert boundary problems.

W. J. Trjitzinsky (Urbana, Ill.)

Source: Mathematical Reviews, Vol 10 No. 7

30694. MAGNARADZE, L. G.

Ob odnom obobshchenii. Teoremy I. I. Privalova i yego primeneniya k nekotorym lineyiym granichnym zadacham teorii funktsiv i singulyarnym integral'lym uravneniyam. Doklady akad. nauk. SSSR, Novaya seriya, T. LXVIII, No. 4, 1949, c. 657-60. -- Bibliogr: c.660.

Translation - A Generalization of the I. I. Pavlov Theorem and Its Application to Some Linear Boundary Problems in the Theory of Functions and to Singular Integral Equations,

Razmadze Tbilisi Inst. of Mathematics, AS GeoSSR

MAGNARADZE, M.G.

Comments on the problem of the motion of a material point under the action of a force depending on time. Biul.Abast.astrofiz. obser. no.22:139-144 '58. (MIRA 11:12)
(Motion)

3,1400

Translation from: Referativnyy zhurnal, Astronomiya i Geodeziya, [illegible], p. 8, # 11087

AUTHOR: Magnaradze, N. G.

TITLE: On the Restricted Three-Body Problem When the Body Attracted Varies Its Mass

PERIODICAL: Byul. Abastumansk. astrofiz. observ., [illegible], (English summary)

/B

TEXT: The author analyzes the plane restricted three-body problem in the case when two bodies M_1 and M_2 with constant masses revolve around their common gravity center with the equal angular velocities and attract, according to Newton's law, a third body M with variable mass m. The latter is a given function of time and is so negligible that body M does not affect bodies M_1 and M_2. The author studies the motion of a point with respect to the movable coordinate system the axes of which passes always through points M_1 and M_2. [illegible] coordinates of the moving point can be expressed in terms of [illegible]

Card 1/2

On the Restricted Three-Body Problem When the Body Attracted Varies

t, proves their convergence within some interval, and obtains

for the coefficients in expansions of unknown quantities.

Translator's note: This is the full translation of the original

Card 2/2

MAGNARADZE, N.G.

A special case of the restricted problem of three bodies when the attracted body has a variable mass. Biul.Abast.Astrofiz.-obser. no.26:191-214 '61. (MIRA 15:3)
(Problem of three bodies)

MAGNARADZE, N.G.

Restricted spatial problem of three bodies when the mass of the attracted body is a given function of time. Biul.Abast.-astrofiz.obser. no.26:215-224 '61. (MIRA 15:3)
(Problem of three bodies)

L 6934-66 FSS-2/EWT(1)/EWP(m)/FS(v)-3/EEC(k)-2/EWA(d) TT/GW

ACCESSION NR: AT5007326 S/2501/64/000/030/0143/0151

36
35
B+1

AUTHOR: Magnaradze, N. G.

TITLE: The motion of a variable-mass body in space during flight to Venus

SOURCE: Abastumani. Astrofizicheskaya observatoriya. Byulleten', no. 30, 1964, 143-151

TOPIC TAGS: space flight, interplanetary flight, venus flight, restricted three body problem, celestial mechanics, astrodynamics

ABSTRACT: The motion of a body of variable mass moving toward Venus is studied, taking into account the gravitational effects of the sun, earth, Venus and Jupiter. A generalization of a scheme proposed by J. F. Staffenson for the restricted three-body problem is used. It is assumed that the mass of the body is an analytical function of time and has no appreciable gravitational effect on the other bodies considered; and that Jupiter moves in a circular orbit. Power series with respect to time are constructed for the coordinates of the body, and their convergence for a sufficiently short time interval for any finite initial coordinates and velocity components of the body is demonstrated. An evaluation is made of the

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L 6934-66

ACCESSION NR: AT5007326

errors resulting from considering only the first few terms of the power series. Orig. art. has: 30 formulas.

ASSOCIATION: Kafedra astronomii Tbilisskogo gosudarstvennogo universiteta (Astronomy Department, Tiflis state university)

SUBMITTED: 04Jul63 ENCL: 00 SUB CODE: SV

NO REF SOV: 012 OTHER: 001

Card 2/2

MAGNAT, A.

The wage system in heavy industry of Austria. Biul.nauch.inform.: trud i zar.plata no.12:72-77 '59. (MIRA 13:10)
(Austria--Wages)

L 10207-66

ACC NR: AP5028511 SOURCE CODE: UR/0286/65/000/020/0096/0096

AUTHORS: Gorokhov, V. M.; Grishakin, V. I.; Magner, E. D.

33
B

ORG: none

TITLE: A hydraulic two-stage amplifier. Class 42, No. 175744 [announced by Experimental Construction Bureau "Teploavtomat" (Opytno-konstruktorskoye byuro "teploavtomat")]

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 20, 1965, 96

TOPIC TAGS: hydraulic pressure amplifier, negative feedback, convergent nozzle

ABSTRACT: This Author Certificate presents a two-stage hydraulic amplifier. The amplifier contains a housing, two covers, a piston, two nozzles, a control lever-baffle, two nozzles in a negative feedback line, and two lever-baffles for the negative feedback line. In order to increase the negative feedback coefficient and to ensure the possibility of tuning under pressure, the amplifier has two cylindrical springs which rest against the covers, and lever-baffles which press them against projections on the ends of the piston (see Fig. 1). The lever-baffles are freely supported on shafts. The axes of the feedback nozzles are opposed.

Card 1/2 UDC: 681.142—522

L 10207-66

ACC NR: AP5028511

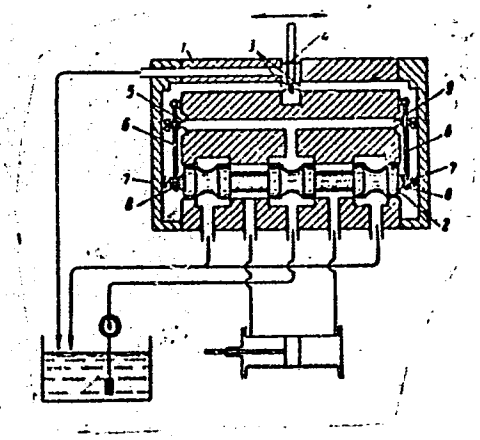

Fig. 1. 1 - Housing; 2 - piston; 3 - two nozzles; 4 - lever-baffle; 5 - nozzle in feedback line; 6 - lever-baffle in feedback line; 7 - springs; 8 - projections; 9 - nozzle in feedback line.

Orig. art. has: 1 figure.

SUB CODE: 09/ SUBM DATE: 29Dec63

Card 2/2

MAGNER, Leonid Mironovich, kand.tekhn.nauk; KIRIN, Yuriy Pavlovich; LEKHAN, Yuriy Kondrat'yevich; STEPANENKOV, Roal'd Vasil'yevich; GRISHIN, Yu.A., red.; SERKO, G.S., red.izd-va; TIKHONOVA, Ye.A., tekhn.red.

[Problems on seamanship; manual for higher schools of marine engineering] Zadachnik po morskoi praktike; uchebnoe posobie dlia vysshikh inzhenernykh morskikh uchilishch. Moskva, Izd-vo "Morskoi transport," 1960. 218 p. (MIRA 13:9)
(Seamanship)

MAGNER, L., kand.tekhn.nauk

Calculation for strength of the rolling lashings for deck cargo. Mor.flot 21 no.1:6-8 Ja '61. (MIRA 14:6)

1. Odesskoye vyssheye inzhenernoye morskoye uchilishche.
(Ships--Equipment and supplies)

KARLINSKAYA, M., kandidat tekhnicheskikh nauk, laureat Stalinskoy premii; MAGNICHKINA, V., nauchnyy sotrudnik; YEFREMOV, E.A.; NEKRASOV, K.A.; GAVRILOV, M.A., doktor tekhnicheskikh nauk, professor, consultant.

Time-impulse system of pressure telemetry for liquids and gases. Zhil.-kom. khoz. 3 no.3:5-8 Mr '53. (MLRA 6:5)

1. Akademiya kommunal'nogo khozyaystva, Laboratoriya avtomatiki (for Karlinskaya, Magnichkina, Efremov, Nekrasov). (Pressure gages)

BELKIN, Y a.G., kandidat tekhnicheskikh nauk; KARLINSKAYA, M.I.; MOROZ, V.A.; KAPLANSKIY, S.A., inzhener; MAGNICHKINA, V.P., inzhener; SIMYAGINA, M.N., inzhener; SOKOL'SKIY, I.F., redaktor; KONYASHINA, A., tekhnicheskiy redaktor.

[Principal factors in dispatching and automation of city water supply systems] Osnovnye polozheniia po dispetcherizatsii i avtomatizatsii sistem gorodskogo vodosnabzheniia. Moskva, Izd-vo Ministerstva kommunal'nogo khoziaistva RSFSR, 1955 38 p. (MLRA 9:1)

1. Akademiya kommunal'nogo khozyaistva.
(Water supply engineering)

PHASE I BOOK EXPLOITATION 1137

Sinyagina, M.N. and Magnichkina, V.P.

Ispol'zovaniye beskontaktnykh i chastotnykh elementov v kommunal'nom khozyaystve (Use of Contactless and Frequency Devices in Municipal Services) Moscow, Izd-vo Min-va kommunal'nogo khozyaystva RSFSR, 1957. 120 p. 1,500 copies printed.

Sponsoring Agency: Akademiya kommunal'nogo khozyaystva.

Ed. (Title page): Karlinskaya, M.I.; Ed. (Inside book): Bashkirov, L.G.; Tech. Ed.: Konyashina, A.D.

PURPOSE: This book is intended for scientists and engineers working in municipal services.

COVERAGE: The authors describe contactless devices of remote control and signalling systems for controlling a small number of regulators. They also describe certain types of contactless and frequency devices which may be used in automatic control, remote control and signalling circuits of municipal systems. The book explains the basic theoretical principles of the application of relay

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circuits in automatic and telemechanical systems with contactless equipment. The authors describe the theoretical fundamentals of designing frequency devices and new types of frequency and contactless relays. They give examples of remote control systems using contactless and frequency devices. There are 20 references, of which 13 are Soviet (including 1 translation), and 7 English.

TABLE OF CONTENTS:

AVAILABLE: Library of Congress (TK2861.S5)

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JP/mfd
1-23-59

MAGNICHKINA, V.P.

STRIZHEVSKIY, Iosif Veniaminovich; TOMLYANOVICH, David Karlovich; MAGNICHKINA, V.P., redaktor; OTOCHEVA, M.A., redaktor izdatel'stva; KONYASHINA, A.D., tekhnicheskiy redaktor

[Stray currents and electrical methods of protection from corrosion; theory and calculation] Bluzhdaiushchie toki i elektricheskie metody zashchity ot korrozii; teoriia i raschet. Moskva, Izd-vo M-va kommun.khoz.RSFSR, 1957. 201 p. (MLRA 10:7)
(Electrolytic corrosion) (Electric currents, Leakage)

MAGNICHKINA, V. P.: Master Tech. Sci. (diss) -- "Investigation of electromechanical resonance systems in the remote control of communal-economy installations". Moscow, 1958. 17 pp (Acad Communal Economy im K. D. Pamfilov), 150 copies (KL, No 1, 1959, 134)

KULIKOVSKAYA, N.M.; MAGNICHKINA, V.P.; YAKOVLEV, A.I.

Automation of the traction substations of streetcars and trolley buses. Sbor.nauch.rab.AKKH no.13:93-104 '62. (MIRA 16:4)
(Electric substations) (Streetcars) (Trolley buses)

SOBOLEV, V. P. (Engineer), MAKHITOV, A. I. (Engineer)

SOBOLEV, V. P. (Engineer), Makhitov, A.I. (Engineer

Excavating Machinery

Practical selection of excavating equipment for large hydrotechnical construction works.
Mekh. trud. rab. 6, No. 5, 1952

Monthly List of Russian Accessions, Library of Congress, August 1952. UNCLASSIFIED.