GROKHOL'SKIY, A.L.; KUGAYEVSKIY, A.F.

Device for the measurement of magnetic characteristics of ferromagnetic materials in a frequency range of 10 kilocycles ÷750 megacycles. Trudy inst. Kom.stand.mer i izm. prib no.64: 214-217 '62. (MIRA 16:5)
(Ferromagnetism) (Magnetic measurements--Equipment and supplies)

GROKHOL'SKIY, A.L.; MIKITINSKIY, M.S.

Frequency correction of the capacitance of a disc condenser. Trudy inst. Kom. stand., mer i izm. prib. no.65:77-79 '62. (MIRA 16:5)

1. Novosibirskiy gosudarstvennyy institut mer i izmeritel'nykh priborov.
(Condensers (Electricity)) (Electric capacitance--Standards)

GROKHOL'SKIY, A.L.; KUGAYEVSKIY, A.F.

Set of high-frequency permeameters for determining the permeability and the loss angle of ferromagnetic materials. Izm. tekh. no.7:36-37 Jl '63. (MIRA 16:8)

(Permeameter)

GROKHOL'SKIY, A.L.; KUGAYEVSKIY, A.F.

Determination of the magnetic permeability and angle of losses of ferromagnetics by means of a coulometer. Zav. lab. 29 no.9:1101-1104 '63. (MIRA 17:1)

1. Novosibirskiy gosudarstvennyy institut mer i izmeritel'nykh priborov.

ACCESSION NR AT3013127 S/2589/63/000/072/0053/0058

AUTHOR Grokhol'skiy, A.L., Kugayevskiy, A. F.

TITLE Broadening of the frequency range of high-frequency permeameters

SOURCE USSR. Komitet standartov, mer i izmeritel'ny*kh priborov. Trudy* instituta Komiteta, no. 72, 1963, 53-58

TOPIC TAGS permeameter, permeability measurement, magnetic loss angle measurement, coaxial sample holder, compensation sample holder, magnetic material quality control

ABSTRACT A method is considered for the measurement of magnetic permeability and the loss angle of ferromagnetic materials using coaxial and compensation-type sample holders. The method makes it possible to control the quality of magnetic materials and to investigate the infrequency spectra. It is shown that the coaxial holder can be used in a frequency range up to 200 Mcs, which is beyond the range of permeameter, and its advantages are that no expensive apparatus is employed and there is no need for placing a separate winding

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ACCESSION NR AT3013127

over the sample. An improved model (the compensation holder) uses essentially a comparison method so that many of the errors due to the apparatus are eliminated. Holders of this type were constructed at the NGIMIP and showed satisfactory operation with accuracy ± 3 per cent for the permeability and ± 10 per cent for the loss angle. The temperature variation of the permeability and the loss angle can also be measured by modifying the equipment somewhat. Orig. art. has 3 figures and 9 formulas.

ASSOCIATION NGIMIP

SUBMITTED 13Mar62	DATE ACQ: 28Oct63	ENCL 03
SUB CODE MA, ML	NO REF SOV 002	OTHER 001

Card 2/3

L 6858-65 EWT(d)/EWT(m)/EEC(k)-2/EEC-4/T Pg-4/Pk-4/P1-4/Po-4/Pq-4 ASD(a)-5/ AFWL/RAEM(t) RWH

ACCESSION NR: AR4044267 S/0272/64/000/006/0119/0119

SOURCE: Ref. zh. Metrologiya i izmeritel'naya tekhnika. Otdel'ny*y vy*pusk, 75 Abs. 6.32.840

AUTHOR: Grokhol'skiy, A. L.

TITLE: Method of calculating losses in meters with coaxial cylindrical electrodes 7

CITED SOURCE: Tr. in-tov Kom-ta standartov mer i izmerit. priborov pri Sov. Min. SSSR, vy*p. 74(134), 1963, 19-27

TOPIC TAGS: capacitance, inductance, measuring instrument, coaxial cylindrical electrode, capacitance meter, inductance meter, coaxial electrode

TRANSLATION: Considers a method of calculating energy losses in the surface layers of capacitance meters and inductance with coaxial-cylindrical electrodes. The method makes it possible to determine the residual resistance for measuring capacitors at frequencies of 10-200 Mc and to lower to 3-5% the measuring error of the Q-factor of inductance meters (with a Q-factor of the order of 100-200). The method of loss calculation is based on the fact that in the working range of frequencies, a meter

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L 6858-65
ACCESSION NR: AR4044267

with coaxial electrodes can be considered as a coaxial transmission line without losses, in which is propagated an electromagnetic wave characterized by equal and opposite full currents and charges per unit length, observed at opposite points of the electrodes. When the electrical field is radial, and the magnetic field is circular, for a wave propagating in the coaxial line there is no low cutoff frequency. Therefore the meters can be used from as low a frequency as desired. Besides, they cause slight attenuations in the transient waves. Four illustrations, bibliography: 5 references.

SUB CODE: EM ENCL: 00

Card 2/2

GROKHOL'SKIY, A.I.; ODINTSOV, V.A.

Increasing the accuracy of reproduction of the unit of capacitance - the farad. Izv. SO AN SSSR no.2. Ser. tekh. nauk no.1:137-138 '64. (MIRA 17:8)

1. Institut avtomatiki i elektrometrii Sibirskogo otdeleniya AN SSSR, Novosibirsk.

GROKHOL'SKIY, A.L.

Errors of quality-factor meters. Izm.tekh. no.2:24-25 F '64.
(MIRA 17:4)

KUGAYEVSKIY, A.F., GROKHOL'SKIY, A.L.

Apparatus for measuring temperature dependence of the parameters of magnetic materials. Zav. lab. 30 no.1:103 [illegible]
(MIRA 17:9)

1. Novosibirskiy gosudarstvennyy institut mer [illegible] i izmeritel'nykh priborov.

GROKHOL'SKIY, A.I.

Calibration error dependent on the composition of the measures and the auxiliary set. Trudy Inst. avtom. i elektrometr. SO AN SSSR no.9:39-44 '64. (MIRA 17:11)

L 26563-66
ACC NR: AP6017391 SOURCE CODE: UR/0410/65/000/001/0068/0075

AUTHOR: Grokhol'skiy, A. L. (Novosibirsk); Sobolevskiy, K. M. (Novosibirsk)

ORG: none

TITLE: AC bridges with inductively coupled arm elements

SOURCE: Avtometriya, no. 1, 1965, 68-75

TOPIC TAGS: inductance bridge, electric transformer, ferromagnetic material, electronic circuit

ABSTRACT: A description of the high metrological properties of transformer measuring bridges and the advantages which determine them. These advantages are inherent in arm elements with close inductive coupling. A brief historical review of works on transformer measuring bridges is presented, and the main results of soviet investigations are analysed. The analysis of works performed is used as a basis for a program of investigations needed in this area in the next few years. These include: further work on the theory of arm windings with close electromagnetic coupling; theoretical investigations of the processes of equilibration of transformer bridges; theoretical and experimental investigations of the transient processes in transformer bridges and indicator devices; analysis of the question of the influence of the parameters of the ferromagnetic core of the transformer on the value of effective resistance of the arm windings under various operating conditions; development of

Card 1/2 UDC: 621.317.733.025

L 26563-66
ACC NR: AP6017391

a theory of transformer arm windings with many outputs for connection of several full resistances; theoretical and experimental work on increasing the sensitivity of transformer bridge circuits; and experiments on measurement of inductances, direct and alternating for a wide frequency range, which must be made much more accurate. [JPRS]

SUB CODE: 09 / SUBM DATE: 08Sep64 / ORIG REF: 040 / OTH REF: 019

Card 2/2

L 62089-65

ACCESSION NR: AP5016739 UR/0286/65/000/010/0049/0049

AUTHORS: Grokhol'skiy, A. L.; Kashcheyev, E. L.; Fedoseyev, G. S. 5 B

TITLE: Standard capacitor with rated capacitance. Class 21, No. 171048

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 10. 1965, 49

TOPIC TAGS: capacitor, capacitance

ABSTRACT: This Author Certificate presents a standard capacitor with rated capacitance in the form of several groups of electrodes with similar geometric shapes and dimensions. To decrease the frequency dependence of the capacitance, the high-voltage and screening electrodes are placed symmetrically relative to the low-voltage electrodes, e.g., relative to one located at the center (see Fig. 1 on the Enclosure). Orig. art. has: 1 diagram.

ASSOCIATION: none

SUBMITTED: 08Apr64 ENCL: 01 SUB CODE: EC

NO REF SOV: 000 OTHER: 000

Card 1/2

L 62089-65

ACCESSION NR: AP5016739

ENCLOSURE: 01

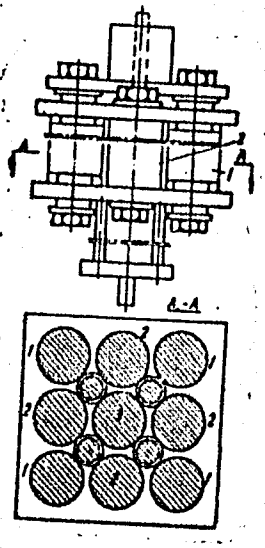

Fig. 1. 1- high-voltage electrodes; 2- screening electrodes; 3- low-voltage electrodes

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L 28359-66

ACC NR: AP6013012 SOURCE CODE: UR/0410/66/000/001/0062/0068

25
B

AUTHOR: Grokhol'skiy, A. L.; Kashcheyev, E. L.

ORG: none

TITLE: On the construction of a precision transformer bridge 10

SOURCE: Avtometriya, no. 1, 1966, 62-68

TOPIC TAGS: capacitance bridge, electric measuring instrument

ABSTRACT: This paper was reported at the VII All-Union Conference on Automatic Control and Methods of Electric Measurements in September 1965 in Novosibirsk. A precision transformer-coupled bridge is described for the measurement of capacitances in the range from 0.01 to 10,000 pF with accuracy 0.001% (Fig. 1). The use of transformer coupling makes it possible to obtain arm ratios over a wide range and with high accuracy. High accuracy is ensured through the use of a special portable model of a standard capacitor invented by the authors (Authors certificate No. 170148 - Byulleten' izobreteniy 1965, No. 10) but with crossing capacitance, based on a principle originally proposed by D. G. Lampard (Monograph N 216M IEE, January 1957). Both the capacitor and the bridge itself are described in detail, and the possible errors are estimated. The bridge is intended primarily to calibrate standard capacitors. Orig. art. has: 4 figures. [02]

SUB CODE: 09/ SUBM DATE: 05Oct65/ ORIG REF: 007/ OTH REF: 003/ ATD PRESS: 4262

2

UDC: 621.3.083.4

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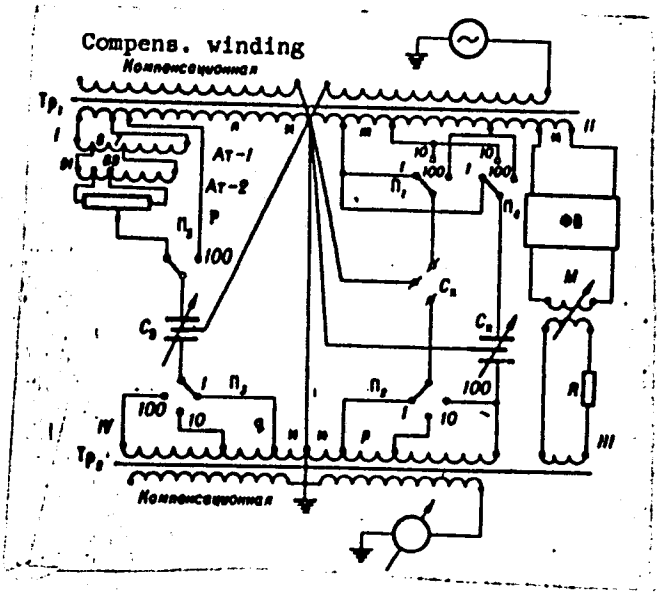
L 28359-66
ACC NR: AP6013012

Fig. 1. Diagram of bridge



Card 2/2

GROKHOL'SKIY, A.M.

621.396 : 621.316.733

2174. ARRANGEMENTS FOR RETRANSMISSION OF TELE-CONTROL SIGNALS. A.M.Grokhol'skiĭ and L.S.Orlovich. Elektrichestvo, 1956, No. 9, 42-4. In Russian.

When remote-control signals are sent from one central dispatching point via an intermediate point, considerable economies can be achieved by using the signals retransmitted at the intermediate point. Requisite and available arrangements are discussed with special reference to equipment made in the U.S.S.R.

F. Hunsmann

ADAYKIN, N.M.; MAGDYCHANSKIY, F.I.; GROKHOL'SKIY, A.N.

Organizational work of the State Testing Laboratory in Lvov. Izm.tekh. no.7:54-55 Jl '62. (MIRA 15:6)
(Lvov--Testing Laboratories)

GROKHAL'SKIY, G., inzh.; POLESHIK, S., inzh.

Automatic apparatus for measuring fuel consumption. Trakt. i sel'khozmash. 33 no.3:18-19 Mr '63. (MIRA 16:11)

1. Poznanskiy politekhnicheskiy institut.

PRAZDNIKOV, Ye.V.; GROKHOL'SKIY, G.A.; MIKHAYLOVA, I.G.

Characteristics of aseptic inflammation in the skin of white rats following repeated resections. Vest.LGU 16 no.9:140-144 '61. (MIRA 14:5)

(SKIN—INFLAMMATION)

1. GROKHOL'SKIY, L. F.

2. USSR (600)

4. Siberia - Oilseed Plants

7. Raw material supply for the oil-extracting industry of Siberia, Masl. zhir. prom., 17, No. 4, 1952.

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

ONISHCHENKO, I.T., inzh.; VISHNEVETSKIY, Ye.A., inzh.; GROKHOL'SKIY, M.M., inzh.; LANEVSKIY, V.A., inzh. (Khar'kov)

Speeding up locomotive circulation at the Kharkov terminal. Zhel. dor. transp. 40 no.6:80-81 Je '58. (MIRA 11:6)
(Kharkov--Locomotives)

USSR/Engineering - Welding Feb 51

"Gas Fusion Welding Under Pressure," N. F. Grokhol'skiy, Cand Tech Sci

"Avtogen Delo" No 2, pp 19-21

Method, developed for repairing parts of railroad rolling stock such as car couplers and spring leaves, shows considerably higher efficiency and strength of joints than is achieved by plastic welding process.

185T22

1. [illegible]L'SKIY, N.F.

2. USSR (600)

4. Gas and Oil Engines

7. Some peculiarities in calculating supercharged motors, N.F. Brokhol'skiy, Trudy LIIVT no. 18, 1951.

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

1. [illegible]KHCL'SKIY, M. F.

2. USSR (600)

4. Technology

7. Safety techniques in welding. Moskva, Profizdat, 1952.

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

GROKHOL'SKIY, N.F.

Calculation of superchargers. Energ.biul. no.12:9-12 D '53. (MLRA 6:11)
(Superchargers)

GROKHOL'SKIY, N.F., kandidat tekhnicheskikh nauk; NAZAROV, S.T., kandidat tekhnicheskikh nauk, retsenzent; ZVEGINTSEVA, K.V., inzhener, redaktor; MATVEYEVA, Ye.N., tekhnicheskiy redaktor

[Manual three-phase arc welding] Ruchnaia svarka trekhfaznoi dugoi. Moskva, Gos. nauchno-tekhnicheskoe izd-vo mashinostroit. lit-ry, 1954. 58 p. (MLRA 8:4)
(Electric welding)

GROKHOL'SKIY, N.F., kandidat tekhnicheskikh nauk.

Marking dimensions on drawings of machines. Standartizatsiia no.4: 67 Jl-Ag '54. (MLRA 8:2)
(Machinery—Drawing)

GROKHOL'SKIY, Nikolay Fedorovich, kandidat tekhnicheskikh nauk; TSYRIN, A.A., redaktor; CHAPSKIY, O.U., redaktor; VOLODAGINA, S.D., tekhnicheskiy redaktor.

[Welding in the repair of tractors and farm machines] Svarka pri remonte traktorov i sel'skokhoziaistvennykh mashin. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1956.278 p. (MLRA 9:5)
(Welding) (Agricultural machinery--Repairing)

SOV/124-57-5-5467

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 5, p 51 (USSR)

AUTHOR: Grokhol'skiy, N. F.

TITLE: With Respect to Certain Features of Calculating the Scavenging Process in Two-stroke Marine Engines (O nekotorykh osobennostyakh rascheta produvki sudovykh dvukhtaktnykh dvigateley)

PERIODICAL: Tr. Leningr. in-ta inzh. vod. transp., 1956, Nr 23, pp 174-180

ABSTRACT: Based on certain hydrodynamic relationships, methods are propounded for calculating the scavenging process in two-stroke marine engines. The relationships which the author evolves make it possible to ascertain by purely theoretical means those design interrelationships amongst an engine's individual scavenge parameters that will prove the most rational. In the case of engines having through-flow valve-type scavenging control the author shows the relationship that exists between the pressure in the engine exhaust chamber and the pressure of the scavenging air.

Yu. A. Lashkov

Card 1/1

GROKHOL'SKIY, Nikolay Fedorovich, kand.tekhn.nauk; CHAPSKIY, [illegible], red.; MOLODTSOVA, N.G., tekhn.red.

[Safety measures in workshops of machine-tractor stations and state farms] Tekhnika bezopasnosti v masterskikh MTS i sovkhozov. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1958. 94 p. (MIRA 11:6)
(Machine-tractor stations--Safety measures)
(Agriculture--Safety measures)

25(1) PHASE I BOOK EXPLOITATION SOV/2829

Grokhol'skiy, Nikolay Fedorovich

Ruchnaya svarka trekhfaznoy dugoy (Manual Three-phase Arc Welding) 2nd ed., rev. and enl. Moscow, Mashgiz, 1959. 99 p. 8,500 copies printed.

Ed.: K. V. Zvegintseva, Engineer; Ed. of Publishing House: N. S. Stepanchenko; Tech. Ed.: B. I. Model'.

PURPOSE: This booklet is intended for welders in the machinery manufacturing and construction industries. It may also be used by welders in railroad and ship repair shops.

COVERAGE: The book deals with the basic industrial processes of three-phase arc welding. The use of single-phase sources for the welding current and the use of switch circuits are discussed. Electromagnetic contactors and two-pole electrode holders are described. Paired-electrode manufacture, an industrial method of semiautomatic three-phase arc welding, and safety engineering are also discussed. No personalities are mentioned.

Card 1/4

There are 9 references, all Soviet.

TABLE OF CONTENTS:

AVAILABLE: Library of Congress (Tk4660.G76 1959)

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GO/mmh
1-18-60

GROKHOL'SKIY, Nikolay Fedorovich; KOCHERGIN, K.A., kand. tekhn. nauk, retsenzent; TSYRIN, A.A., kand. tekhn. nauk, red.; CHFAS, M.A., red.izd-va; DENINA, I.A., red.izd-va; SHCHETININA, L.V., tekhn. red.

[Reconditioning parts of machines and mechanisms by welding and building up] Vosstanovlenie detalei mashin i mekhanizmov svarkoi i naplavkoi. Moskva, Mashgiz, 1962. 274 p. (MIRA 16:4)

(Machinery--Maintenance and repair)
(Electric welding)

ALEKSANDROVICH, A.N.; GOLOVANOV, N.V.; GROKHOL'SKIY, N.F.; MERZON, E.D.; ROMASHEV, D.G.; KHRUSTALEVA, N.I., red.izd-va; GRIGORCHUK, L.A., tekhn. red.

[Mechanical drawing; methodological instructions and test problems] Cherchenie; metodicheskie ukazaniia i zadaniia na kontrol'nye raboty. Moskva, Vysshaia shkola, 1963. 224 p. (MIRA 17:3)

ALEKHIN, S.V., doktor tekhn. nauk, prof.; GROKHOL'SKIY, A.F., kand. tekhn. nauk, dots.; ZOLOTNIKOV, I.M., kand. tekhn. nauk, dots.; KOCHUGOV, P.I., kand. tekhn. nauk, dots.; MALYSHEV, G.N., kand. tekhn. nauk, prof.; KHLEBNIKOV, M.S., kand. tekhn. nauk, retsenzent; PISAREV, N.G., kand. tekhn. nauk, dots., retsenzent; ODING, I.A., kand. tekhn. nauk, dots., retsenzent; KUKENKOV, I.I., kand. tekhn. nauk, retsenzent; GROKOF'YEVA, Ye.I., inzh., retsenzent; YAKOVLEV, D.A., inzh., retsenzent; SERGEYEVA, I.N., red.

[Design of technological processes for the manufacture of billets and parts for the rolling stock of railroads; methodological manual on the technological aspects of diploma projects prepared in institutions of higher learning of railroad transportation] Proektirovanie tekhnologicheskikh protsessov proizvodstva zagotovok i detalei povozhnogo sostava zheleznykh dorog; uchebno-metodicheskoe posobie po tekhnologicheskoi chasti diplomnogo proektirovaniia v vuzakh zheleznodorozhnogo transporta. Moskva, Vses. zaochnyi in-t inzhenerov zhel-dor. transporta. Pt.1. 1964. 202 p.
(MIRA [illegible])

BEZTSENNYY, Viktor Ivanovich, inzh.; PETROV, Vasiliy Afanas'yevich, kand. tekhn. nauk; SAKHAROV, Mikhail Borisovich, inzh.; TUROVTSEV, Vasiliy Ivanovich, kand. tekhn. nauk. Prinimal uchastiye CHERNYSHEV, P.N., inzh.; KHUDOKORMOV, V.I., inzh., retsenzent; EVIN, G.D., inzh., retsenzent; DERGACH, Ye.S., inzh., retsenzent; GROKHOL'SKIY, N.F., kand. tekhn. nauk, retsenzent; NIKOLAYEV, K.I., kand. tekhn. nauk, retsenzent; SMARAGDOV, G.I., kand. tekhn. nauk, retsenzent; ZOLOTNIKOV, I.M., kand. tekhn. nauk, retsenzent; VISHNYAKOV, B.I., aspirant, retsenzent; ARSHINOV, I.M., inzh., red.; MEDVEDEVA, M.A., tekhn. red.

[Car repairing at factories] Remont vagonov na zavodakh. By V.I.Beztsennyi i dr. Moskva, Vses.izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1961. 363 p. (MIRA 14:12)

1. Kafedra "Vagony i vagonnoye khozyaystvo" Leningradskogo instituta inzhenerov zheleznodorozhnogo transporta (for Grokhol'skiy, Nikolayev, Smaragdov, Zolotnikov)
(Railroads--Cars--Maintenance and repair)

BUDNIKOV, P.P.; ALEKPEROV, M.S.; BAKLANOV, G.M.; BOLDYREV, A.S.; BOS'KO, K.D.; VOLZHENSKIY, A.V.; GROKHOTOV, N.V.; ZHUKOV, A.V.; ZABAR, L.B.; KITAYEV, Ye.N.; KOSHKIN, V.G.; KRUPIN, A.A.; MUROMSKIY, P.G.; POPOV, A.N.; SUKHOTSKIY, S.F.; USPENSKIY, V.V.; KHINT, I.A.; SHVAGIREV, M.P.; YUSHKEVICH, M.O.

Conference on increasing the durability of corrugated roofing sheets. Stroi.mat. 8 no.1:p.3 of cover Ja '62. (MIRA 15:5)
(Roofing)

GROKHOTOV, N.V. [deceased]; KROPOTOV, V.A.

Using wastes from other branches of industry. TSement 29 no.5:3-5 S-O '63. (MIRA 16:11)

1. Leningradskiy sovet narodnogo khozyaystva.

Grokhotov, V.A.

USSR/Optics K

Abs Jour: Referat Zhur-Fizika, 1957, No 4, 10656

Author : Grokhotov, V.A., Meyklyar, P.V.
Inst : Vologod Pedagogical Institute
Title : Heat Treatment of Crystals of Silver Bromide in Gelatin and Vacuum.

Orig Pub: Zh. nauch. i prikl. fotografii i kinematogo. 1956, 1, No 2, 89-97

Abstract: Thin layers of silver bromide obtained by fusing the salt between glass plates, were heated at 60° in a 15% solution of photogelatin during 0.5 - 8 hours. As a result there is an increase in the spectral absorption in the 400 - 460 millimicron region and an increase in the photochemical sensitivity, while the photoconductivity is diminished. On the basis of previous works by the author (Dokl AN SSSR, 1951, 77, 391), it is concluded that as a result of the interaction between the silver bromide and gelatin there are formed F centers, which are centers of light sensitivity This

Card : 1/2

USSR/Optics K

Abs Jour: Referat Zhur-Fizika, 1957, No 4, 10656

conclusion is confirmed by experiments on the heating of crystals in vacuum: after cooling, there is practically no change in the absorption in th 400 - 460 millimicron region (i.e., no F centers are formed) and the photochemical sensitivity does not increase. One observes an increase in the absorption in the 500 - 650 millimicron region, due to the formation of metallic silver on the surface of the silver bromide, and a reduction in the photoeffect, which is ascribed to the acceptor properties of the thermally liberated silver. After exposure of such crystals, the photoeffect increases sharply, this being ascribed to the donor properties of photolytic silver.

Card : 2/2

41083

S/058/62/000/008/107/134
A160/A101

AUTHOR: Grokhotova, B. A.

TITLE: The measuring of the absorption of radio waves in the ionosphere

PERIODICAL: Referativnyy zhurnal, Fizika, no. 8, 1962, 27, abstract 8Zh193 ("Tr. Sibirsk. fiz.-tekhn. in-ta pri Tomskom un-te", no. 38, 1960, 15 - 22)

TEXT: Presented are data on the measurements of the coefficient of absorption of radio waves in the ionosphere, obtained in Tomsk in 1959. The measurings were carried out by the pulse method. The coefficient of absorption L for daytime periods was calculated by the formula: $L = 20\lg G - 20\lg(A_1 h')$, where A_1 is the amplitude of the reflected signal, h' - the height of the reflecting layer, G - the calibration constant. The following formula was used for nighttime periods: $L = -20\lg \rho$, where ρ is the coefficient of reflection from the layer. The data on the measurements of L are presented in the form of tables. The data revealed that, during 1959, 82% of the daily noon values of L for the frequency $f_1 = (2.2 \pm 0.2)$ Mc vary from 20 to 40 db, and 80% of the daily noon

Card 1/2

The measuring of the absorption of...

values of L for the frequency $f_2 = (3.0 \pm 0.3)$ Mc vary from 10 to 30 db. When averaging the world days, the diurnal course of the L values roughly corresponds to $(\cos\chi)^{1/2}$ for April, and to $\cos\chi$ - for March.

[Abstracter's note: Complete translation]

Card 2/2

L 16841-63 EWT(1)/BDS/EEC-2/ES(v) AFFTC/ASD/AFMDC/ESD-3/APGC Pe-4/Pq-4
Pi-4/Po-4 PT-2/GW
ACCESSION NR: AP3006326 S/0058/63/000/007/H030/H030

SOURCE: RZh. Fizika, Abs. 7Zh202 78

AUTHOR: Grokhotova, B. A.

[redacted]

TITLE: Results of measurement of radio wave absorption in Tomsk

CITED SOURCE: Tr. Sibirsk. fiz.-tekhn. in-ta pri Tomskom un-te, vy*p. 41, 1962, 34-37

TOPIC TAGS: Radio wave absorption, ionosphere, sunspot correlation

TRANSLATION: Data are presented on the measurements of absorption in the ionosphere, carried out in 1960 at frequencies 2.2 and 3 Mc. It is shown that the increased absorption is accompanied by an increase in the number of sun spots. The daily and seasonal variations of the absorption coefficient are obtained.

DATE ACQ: 15 Aug 63 SUB CODE: GE, PH ENCL: 00

Card 1/1

L 19655-63 EWT(1)/BDS/EEC-2/ES(v) AFFTC/ASD/AFMDC/ESD-3/APGC Pe-4/
Pi-4/Po-4/Pq-4 PT-2/GW
ACCESSION NR: AR3007000 S/0058/63/000/008/H032/H032

SOURCE: RZh. Fizika, Abs. 8Zh208 80

AUTHOR: Rudina, M. P.; Grokhotova, B. A.

TITLE: Rate of vertical drift in the F region and number of collisions, as obtained by measuring the reflection coefficient

CITED SOURCE: Tr. Sibirsk. fiz.-tekhn. in-ta pri Tomskom un-te, vy*p. 41, 1962, 92-97

TOPIC TAGS: F region, vertical drift, collision number, ionosphere radio sounding, reflection coefficient

TRANSLATION: Results are presented of the analysis of photographs of fluctuating signals of first and second multiplicity, reflected from the F_2 layer in vertical radio sounding of the ionosphere at 2.5--3.5 Mc during February-March 1958. The signals were recorded

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L 19655-63
ACCESSION NR: AR3007000

without separating one of the components of the magnetoionic splitting. The analysis has shown the following: 1) in ~50% of the cases the reflection coefficient is $\rho > 1$; 2) values $\rho > 1$ cannot characterize the degree of absorption of the radio waves in the ionosphere, but can characterize the diffraction by ionization inhomogeneities of the E and F regions, where the reflected signal is produced; 3) the appearance of periodic oscillations in the magnitude of the signal during the periods when the signal increases, when the illumination of the ionosphere decreases, is a more sensitive indicator of the existence of vertical motion than is the variation of h_0, and can be used to calculate the vertical drift; 4) the frequency of collisions in the F layers, determined from the measured values of the reflection coefficient and from the ionograms agrees with those previously known.

DATE ACQ: 06Sep63 SUB CODE: PH, AS ENCL: 00

Card 2/2

GROKHOTOVA, S. G.

Grokhotova, S. G. -- "Arterial Pressure in Cases of Heart Defects." Irkutsk State Medical Inst. Krasnoyarsk, 1954. (Disseration For the Degree of Candidate in Medical Sciences).

So: Knizhnaya Letopis', No. 11, 1956, pp 103-114

ISAKOV, I.I., prof.; GROKHOTOVA, S.G.

Treatment of acute renal insufficiency in intraperitoneal dialysis. Terap. arkh. 35 no.2:105-107'63. (MIRA 16:10)

1. Iz kliniki gospital'noy terapii (zav. - prof. I.I.Isakov) Krasnoyarskogo meditsinskogo instituta.
(KIDNEYS—DISEASES) (DIALYSIS)

ARTEM'YEV, I.M.; GROKHOVSKAYA, A.P., inzh.

We doubled the production during the "interval." Put' i put.khoz. 8 no.4:21-22 '64. (MIRA 17:4)

1. Nachal'nik Kurskoy distantsii Moskovskoy dorogi (for Artem'yev).
2. Kurskaya distantsiya Moskovskoy dorogi (for Grokhovskaya).

USSR/Medicine - Rats Apr 49
Medicine - Mosquitoes

"The Nest of Scaly-Toothed Rats, Nesokia Indica Bailwardi (Thomas), as a Mass-Breeding Place for Mosquitoes (Phlebotomus)," P. A. Petrishcheva, I. M. Grokhovskaya, 3 pp

"Dok Ak Nauk SSSR" Vol LXV, No 4

Describes first case of mass location of preimago mosquito stages in ratholes in Kara Kala region of Turkmen SSR. Submitted by Acad Ye. N. Pavlovskiy, 7 Feb 49.

41/49T61

GRUKHOVSKIY, A.A.

Automatic pipette for digestion. Sakh. prom. 32 no.2:54-55 F '58. (MIRA 11:3)

1. Smelyanskiy tekhnikum pishchevoy promyshlennosti.
(Sugar industry--Equipment and supplies) (Pipettes)

GROKHOVSKIY, A.A.; YAREMENKO, P.I.

Automatic thermostat for cooking and cooling of the digestion mixture. Sakh. prom. 32 no.12:23-30 D '58. (MIRA 11:12)

1.Smelyanskiy tekhnikum pishchevoy promyshlennosti.
(Sugar--Analysis and testing) (Temperature regulators)

GROKHOVSKIY, A.A.; LAVRENYUK, V.A.

Automatic digestion pipette equipped with an electromagnetic regulator. Sakh.prom.34 no.5:35-36 My '60. (MIRA 14:7)

1. Smelyanskiy tekhnikum pishchevoy promyshlennosti.
(Sugar manufacture)
(Testing laboratories--Equipment and supplies)

GROKHOVSKIY, A.A.; SOROKA, A.A.

Automatic recording device for determining the rate of disintegration of a piece of refined sugar in water under pressure. Sakh. prom. 34 no.6:38-40 Je '60. (MIRA 13:7)

1. Smelyanskiy tekhnikum pishchevoy promyshlennosti.
(Sugar)

LITVAK, Izrail' Moiseyevich, doktor tekhn. nauk, prof.; KRASNYUK, G.M., inzh., retsenzent; GROKHOVSKIY, A.A., inzh., retsenzent; IVANOV, P.Ya., inzh., retsenzent; VOYKOVA, A.A., red.; SATAROV, A.M., tekhn. red.

[Technology and technochemical control of beet sugar manufacture] Tekhnologiia i tekhnokhimicheskii kontrol' sveklosakharnogo proizvodstva. Moskva, Pishchepromizdat, 1962. 447 p. (MIRA 16:3)
(Sugar manufacture)

GROKHOVSKIY, I.

Notes on flying skill. Part 4: The art of flying. Grazhd. av. 14 no.4: 14-16 Ap '57. (MLRA 10:6)

1. Zamestitel' komandira podrazdeleniya po letnoy chasti.
(Airplanes--Piloting) (Aeronautics, Commercial)

GROKHOVSKIY, L.M.

Some characteristics of the study and commercial appraisal of lake deposits of salt. Mat GKZ no.3:90-10? '63 (MIRA 18:1)

GROKHOVSKIY, L.M. (Moskva)

Barsa Kel'mes salt pan. Priroda 54 no.6:109-[illegible] (MIRA 18:6)

GROKHOVSKIY, L.P.

Functional state of the pituitary-adrenal system in chronic gastritis with gastric secretory hypofunction. Vest. AMN SSSR 18 no.10:55-60 '63. (MIRA 17:6)

1. Gastroenterologicheskaya laboratoriya AMN SSSR i Leningradskiy sanitarno-gigiyenicheskiy meditsinskiy institut.

GROKHOVSKIY, Yu.V., inzh.; ISHANOV, A.P., inzh.

The KhVST-1,2 mounted cotton picking machine. Trakt. i sel'khoz-mash. 33 no.12:32-33 D '63. (MIRA 17:2)

1. Gosudarstvennoye spetsial'noye konstruktorskoye byuro po mashinam dlya khlopkovodstva.

GROKHSHTEYN, B.Ya.; KUPTSOV, Yu, Ye., inzh.; SNARSKIY, A.A., inzh.

Erroneous assertions on certain aspects in the development of electric traction ("Three-phase switching of single-phase contact lines" by N.V.Bokovoi. Reviewed by B.IA. Grokhshtein, IU. E. Kuptsov, A.A.Snarskii). Vest. TSNII MPS no. 5:62-63 Jl '58. (MIRA 11:8)

(Electric railroads--Wires and wiring)
(Bokovoi, N.V.)

GROLIER, Eries de

Contemporary trends in the field of documentary classification and codification. Akt probl inf dok 7 no.1:33-59 Ja-F '62.

GROLIG, Al. L.

Grolig, Alois. Pomucka ke studiu plánování zemědělské výroby. (Vyd. 1.) Praha, Statni pedagogicke nakl., 1954. 137 p. (Ucebni texty vysokych skol) (Manual for the study of planning in agricultural production; textbook. 1st ed. bibl., tables (part fold. in pocket)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 11, Nov. 1955, Uncl.

GICLIG, ALOIS.

Organisace socialistickych zemedelskych zavodu; materialy ke studiu. (Vyd. 1.) Praha, Statni pedagogicke nakl., 1955. 391 p. (Ucebni texty vysokych skol)

SOURCE: EEAL - LC Vol. 5 No. 10 Oct. 1956

GROLIG, A.

Difference between the concept of production of material matters and the concept of production. p. 1.

BIBLIOGRAFIE ZEMEDELSKA A LESNICKS: CESKOSLOVENSKA LITERATURA. (Ustredni zemedelska knihovna Ceskoslovenska akademie zemedelskych ved, Statna vedecka kniznica a Polnohospodarske dokumentacne stredisko Slovenskej akademie vied) Praha.

Vol. 2, No. 10. October. 1955.

SOURCE: East European Accessions List (EEAL) Library of Congress. Vol. 5, No. 1, January. 1956

GROLIG, ALOIS

Nektere udaje o zivocisne vyrobe; pomucka pro organisaci prace, planovani, kontrolu a rozbor vysledku hospodareni. (Vyd. 1.) Praha, Statni pedagogicke nakl., 1956. 201 p. (Ucebni texty vysokych skol) (Some data on animal production: a handbook for the organization of work, planning, control, and analysis of results; a university textbook. 1st ed. bibl., index, tables)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

GROLIK, J., inz.

"Flotation of coal in the Lorraine coal basin" by E. Cochet, C. Mauriere, A. Plessis. Reviewed by J. Grolik. Przegl gorn 19 no.4:172 Ap '63.

"Considerations concerning some particular problems of coal flotation" by P. Belugou, J. Daniel, G. Dru. Reviewed by J. Grolik. Ibid.:173

GROL'MAN, Ye.; ZAVEL'SKAYA, I.

Bureau of economic analysis. Den. i kred. 21 no.8:58-60 Ag '63. (MIRA 16:9)

1. Upravlyayushchiy Frunzenskim otdeleniyem Gosbanka Leningrada (for Grol'man). 2. Nachal'nik kreditnogo otdela Frunzenskogo otdeleniya Gosbanka Leningrada (for Zavel'skaya).
(Leningrad--Auditing and inspection)

GROLMUSZ, Vince, dr., kandidatus

Method and more important results of the national research statistics. Pt. 1. Stat szemle 42 no. 6:612-618 Je '64.

1. Secretariat, Council of Ministers, Budapest.

GROLMUSZ, Vince, dr., kandidatus

Method and more important results of national research statistics. Pt.2. Stat szemle 42 no.12:1219-1233 D '64.

1. Secretariat of the Council of Ministers, Budapest.

GROLOV, A.S. (Moskva); CHENTSOV, N.N. (Moskva)

Use of a Monte Carlo method in solving definite integrals depending on the parameter. Zhur.vych.mat.i mat.fiz. 2 no.4: 714-717 Jl-Ag '62. (MIRA 15:8)
(Integrals, Definite) (Probabilities)

GROM, Anton

CZECHOSLOVAKIA/Farm Animals. Domestic Fowls. Q

Abs Jour: Ref Zhur-Biol., No 4, 1958, 16852.

Author : Grom Anton
Inst :
Title : Contribution to the Study of the Influence of Biogenous Stimulants on the Intensity of the Growth of Chicks (K voprosu izucheniya vliyaniya biogennykh stimulyatorov na intensivnost' rosta tsyplyat)

Orig Pub: Pol'nohospodárstvo, 1956, 3, No 5, 620-630.

Abstract: In response to the subcutaneous implantation of muscle tissue, skin, spleen, liver, seminal glands, ovaries, and oviducts to chicks of a different breed, an intensiveness of the increase in weight, especially in chicks lagging behind in growth, took place. In the experiments, the tissue of

Card : 1/2

Grom, A.

ROMANIA

BACIU, Clement, MD; Candidate for Medical Sciences; GROM, A., MD; NICOLESCU, P., MD.

Orthopedic and Traumatology Clinic of the Brincovenesc Hospital, Section F.S.P.M.F. (Clinica de Ortopedie si Traumatologie a F.S.P.M.F.-Brincovenesc) (Director: Academician Al. Radulescu) - (for all)

Bucharest, Viata Medicala, No 3, 1 Feb 63, pp 181-184.

"Differential Diagnosis of Spastic Paraplegia."

(3)

GROM,D.; SKUFCA-BRISKI,S.

Peritonsillar abscesses according to statistical data of an otorhinolaryngological clinic. Zdrav. vestn. 33 no.12:356-366 '64

1. Otorinolaringoloska klinika medicinske fakultete v Ljubljani (Predstojnik: Prof. dr. Janko Lampe).

GROM, N. [Groma, N.]; DAMBERGA, B.; KREMER, Yu. [Kremers, J.]; SHMIDT, A. [Smidts, A.]

Amino acid composition and biological effectiveness of some preparations for parenteral nitrogen alimentation. Izv. AN Latv.SSR no.9:91-94 '63. (MIRA 16:12)

GROM, N. [Groma, N.]; KREMER, Yu. [Kremers, J.]

Use of sorbite as an energy supplying material in parenteral feeding. Izv. AN Latv. SSR no.10:103-106 '63.
(MIRA 17:1)

GROMA, Bartolomej, inz.

Admissible load of stratified subsoil. Inz stavby 11 no.7: 241-246 Jl '63.

1. Geologicky prieskum, n.p., Zilina.

GROM, G.A., inzhener.

Unsolved problems of over-all mechanization of lumbering. Mekh.trud. rab. 10 no.12:27-29 D '56. (MLRA 10:5)
(Lumbering--Machinery)
(Lumber--Transportation)

GROM, I.I. [Hrom, I.I.]

Data on the medicinal flora of the Komi A.S.S.R. Farmatsev. zhur. 19 no.1:32-34 '64. (MIRA 18:5)

1. Leningradskiy khimiko-farmatsevticheskiy institut, kafedra farmakognozii i botaniki.

GROM, Ignatiy Kapitonovich, dotsent; PANKRASHIN, V.P., inzhener, retsenzent; EDUARDOV, M.S., inzhener, retsenzent; OBOLDUYEV, G.T., inzhener, redaktor; LEUTA, V.I., inzhener, redaktor; RUDENSKIY, Ya.V., tekhnicheskiy redaktor.

[Free forging] Svobodnaia kovka. Kiev, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1955. 291 p. (MLRA 9:6)
(Forging)

GROM, I. K.

MEHEN', David Markovich; GROM, I.K., kand.tekhn.nauk, dots., retsenzent; SOROKA, M.S., red.; RUDENSKIY, Ya.V., tekhn.red.

[Safety manual for operators of steam forges] Pamiatka po tekhnike bezopasnosti dlia kuznetsov svobodnoi kovki pod parovozdushnymi molotami. Kiev, Gos. nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1957. 37 p. (MIRA 11:4)
(Forging--Safety measures)

ROVNYY, A.D.; GROM, I.K.

Coining patterns on dinnerware. Kuz.-shtam. proizv. 2 no.7:45-46 Jl '60. (MIRA 13:8)
(Decoration and ornament) (Sheet-metal work)

GROM, L., prof. zasluzhennyy vrach Rumynskoy Narodnoy Respubliki

Organization and the activity of the Society of Subprofessional Medical Personnel of the Rumanina People's Republic. Med.sestra 22 no.6:46-48 Je'63. (MIRA 16:9)

1. Predstavitel' Obshchestva srednikh meditsinskikh kadrov Rumynskoy Narodnoy Respubliki.
(RUMANIA--MEDICAL SOCIETIES)

S/080/63/036/001/011/026
D204/D307

AUTHORS: Mitkevich, E.M., Karpenko, V.G., Knigavko, I.P. and Grom, L.S.

TITLE: Corrosion of apparatus during the production of potassium by the alkali method

PERIODICAL: Zhurnal prikladnoy khimii, v. 36, no. 1, 1963, 109 - 114

TEXT: The main corrosive agents in the apparatus (M.I. Klyashtornyy, ZhPKh, 31, 5, 684 (1958)) which are considered are KOH, K and K_2O_2. Since the effects of KOH + K, KOH + + K_2O_2 , and KOH + K_2O_2 + K mixtures on metals are largely unexplored, the effects of (a) pure dehydrated KOH, (b) pure dehydrated KOH + 10 % K, (c) ditto KOH + 0.5 % of active oxygen and (d) ditto + air, were studied on Ni, steel-3, and Cr-Ni steels ЭИ-628 and ЭИ-943 (EI-628 and EI-943), at 500°C. The temperature was maintained to ± 5°C; experiments with (a) and (b) were carried out under nitrogen, (c) and (d) in the presence of

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air, over 100 hours. The results are expressed as weight-loss per unit area. The most corrosive mixture causing the rapid corrosion of the apparatus appears to be the KOH + K_2O_2 + K mixture, owing to the simultaneous presence of oxidizing and reducing agents. The least affected metals were steel-3 and Ni in KOH and Ni and EI-943 in KOH + K; Ni was also practically unattacked in KOH + K_2O_2. In KOH, the corrosion of all the metals tested practically ceased after 24 hrs. On the basis of these results, industrial tests were carried out, with the assistance of plant employee Ya.M. Verblyunskiy, to test the relative corrosion rates of steel-3, Ni and EI-628. Full confirmation of the experimental work was achieved, particularly w.r.t. the importance of the absence of air (and therefore of K_2O_2). There are 4 figures and 2 tables.

ASSOCIATION: Nauchno-issledovatel'skiy institut osnovnoy khimii (Scientific Research Institute of Basic Chemistry)

SUBMITTED: October 9, 1961

[redacted], SHMIDT, A. A. (USSR)

"Biochemical Bases for Raising the Biological Value of Protein Hydrolysates."

Report presented at the 5th International Biochemistry Congress, Moscow, 10-16 August 1961

GROM, Srecko

"Key for determining the Mosses of Czechoslovakia" by Z. Pilous and J. Duda. Reviewed by Srecko Grom. Biol vest 9:140-141 '61.

KUZ'MENKO, P.P.; GROM, V.S. [Hrom, V.S.]

Electrical transfer of gold in solid gold. Ukr. fiz. zhur. 6 no.1:140-142 Ja-F '61. (MIRA 14:6)

1. Kiyevskiy ordena Lenina gosudarstvennyy universitet im. T. G. Shevchenko.

(Gold)
(Ions)

BARNA, Peter; GROMA, Geza; KUKUCZ, Istvan

Measurement tasks in the laboratory of third year physics students. Pt.1. Fiz szemle 8 no.3:94-96 Mr '58.

1. Eotvos Lorand Tudomanyegyetem II.sz.Kiserleti Fizikai Intezete.

Hungary/Radiophysics - Superhigh Frequencies, I-11

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 35391

Author: Farago, Peter; Qroma, Geza

Institution: None

Title: Reflex Klystrons

Original Periodical: Magyar tud. akad. Kozl. fiz. kutato intez. kozl. 1953, 1, No 1-2, 66-81; Hungarian

Abstract: See Referat Zhur - Fizika, 1955, 9786

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621.385.1.029.6 : 621.373.423

5221. **Reflex oscillators.** P. S. Faragó and G. Groma. *Acta phys. Hungar.*, 4, *No.* 1, 7–22 (1954).

The mechanisms of reflex klystron and Barkhausen-Kurz oscillators were compared and found to be essentially similar. Both are feedback oscillators, with one h.f. field producing the bunching of electrons and also converting (a fraction of) the kinetic energy of the electrons into h.f. power, with a feedback mechanism maintained by a constant retarding field. All the differences in the behaviour of the two types of oscillators can be explained by the fact that in the reflex klystron, the h.f. interaction space is separated from the constant retarding field, and in the Barkhausen-Kurz oscillator the two are superimposed. The main consequences are discussed quantitatively.

A.

GROMA Geza

HUNGARY/Theoretical Physics - Classical Electrodynamics. Classical Field Theory B-3

Abs Jour : Ref Zhur - Fizika, No 8, 1958, No 17244

Author : Barna Peter, Groma Geza
Inst : Not Given
Title : Motion of Charged Particles in Cylindrically-Symmetrical Magnetic Field

Orig Pub : Magyar fiz. folyoirat, 1957, 5, No 4, 291-300

Abstract : The authors consider the problem of the motion of a charged particle in a cylindrically-symmetrical magnetic field. Also given are the results of measurements. A detailed discussion pertains to the case of a homogeneous and linearly-increasing field that increases linearly along the direction of the axis.

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GROMA, G.

SCIENCE

PERIODICALS: ~~ACTA ZOOLOGICA, Vol. 8, No. 3, March 1958~~
FIZIKAI SZEMLE Vol. 8, No. 3, March 1958

Groma, G. Measuring tasks in the laboratory of grade-3 students in physics. I p. 94

Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 2
February 1959, Unclass.

GROMA, Geza; KESZTHELYI LABORI, Zora

Measurement tasks in the laboratory of third year students in physics.Pt.2. Fiz.szemle 8 no.4:128-130 Ap '58.

1. Eotvos Lorand Tudomanyegyetem II.Kiserleti Fizikai Intezete.

GROMA, Geza

Some problems concerning the measurement of iron loss in transformer sheets. Hir techn 14 no.4:147-148 Ag '63.

1. Csepeli Femmu Fizikai Laboratoriuma.

GROMA, Geza; MUCSY, Endre

Use of the electromicroscope in metallography. Koh lap 96 no.12:572-578 D '63.

1. Csepeli Femmu Femfizikai Laboratorium.