

PROVORNOV, S.M., prof.; GREBENNIKOV, O.P., kand. tekhn. nauk, dotsent

Basic characteristics of high-speed motion-picture cameras.
Usp.nauch.fot. 9:5-11 '64.

(MIRA 18:11)

PROVORNOV, S.M.; GREBENNIKOV, O.F.; GUSEV, V.P.; PERTSEV, S.M.

Photomicrographic attachment for the high-speed SKS-1 motion-picture camera. Trudy LIKI no.11:29-33 '64.

(MIRA 18:10)

1. Kafedra kinofotoapparatury Leningradskogo instituta kinoinzhenerov.

GREBENNIKOV, O.F.; MYASNIKOV, S.I.; KARELIN, Yu.A.; ZUBKOV, G.A.

Attachment to the 16S-2 "Kiev" motion-picture camera for semiautomatic control of the lens diaphragm. Trudy LIKI no.11:35-38 '64.

(MIRA 18:10)

1. Kafedra kinofotoapparatury Leningradskogo instituta kinoinzhenerov.

PROVORNOV, S.M., prof.; GREDENNIKOV, O.F., kand. tekhn. nauk, dotsent;
GUSEV, V.I.

Grid-frame RKS-2 camera with a frequency of up to 500 million
pictures per second. Usp. nauch. fot. 9:27-28 '64.
(MIRA 18:11)

L. 42052-66 FSS-2/ENT(1)/T LIP(e) JGS

ACC NR AT6001381

SOURCE CODE: UR/3180/64/009/000/0005/0011

AUTHOR: Provornov, S. M. (Professor); Grebennikov, O. F. (Candidate of technical sciences; Docent)

42
31
B+1

ORG: none

TITLE: Basic characteristics of high-speed motion picture cameras

SOURCE: Akademiya nauk SSSR. Komissiya po nauchnoy fotografii i kinomatografii.
Uspekhi nauchnoy fotografii, v. 9, 1964, 5-11

TOPIC TAGS: high speed camera, motion picture camera

ABSTRACT: The authors define those characteristics of high-speed cameras which determine the limits of their application (principle of arrangement, the information-carrying capacity, and the operational characteristics). The section dealing with the general arrangement of a camera discusses such design features as film shift compensation in cameras with continuously moving film, relative "standstill" of the image and film, etc. The information-carrying capacity is considered in time and space, and the capacity is derived. Lens power (relative aperture), synchronization of the exposure with the beginning of the process studied, and the positioning of objectives in multiple-lens cameras are considered the main operation characteristics. The data according to the above classification are tabulated for twelve Soviet-made cameras (see table).

Card 1/2

L 42052-66

ACC NR: AT6001381		Information-carrying capacity						Operational		Synchronization method
Camera designation	Design	Exposure frequency	Spacing	Time-resolution	Relative entropy	Ratio of exposure to frame shift	Optical capacity	Equivalent relative aperture	Transmission	
28 SXS-1 21 SSKS-1	Optical shift-compensation	4000 2×10^5	0.2 1.8	4000 1.1×10^5	1/4.5 1/17	— 1/3	4000 2500	— 1/18	— 0.5	To camera Preset
28 FP-22 24 FP-38 28 SFR	Optical commutation	10^5	1.7	6×10^4	1/20	1	7500	1/12	0.5	To camera
28 IV-1 28 SSKS-4 28 VSKS-5		5×10^5 2.5×10^5 33×10^5	2 2	2.5×10^4 1.25×10^5 16.5×10^4	1/20 1/18 1/18	1 1 1	416 240 150	1/11 1/18 1/40	0.25 0.5 0.3	From camera " " " "
28 SFR	Photo-recorder	10^5 6×10^5	1.2 1.5	8.3×10^4 4×10^6	1 1/9	1 1	270 500	1/13 1/50	0.4 0.5	Preset From camera " "
28 RKS-1 28 RKS-2 28 RKS-11	Scan	—	—	10^8	1/13	1	85	1/18	0.5	" "
		—	—	5×10^8	1/13	1	200	1/18	0.4	" "
		—	—	10^5	1/9	1	300	1/5	0.5	Preset

Orig. art. has: 1 table.

SUB CODE: 14/ SUBM DATE: none

Card 2/2 af

L 12082-66 EWT(1)/FSS-2/T IJP(c) JGS

ACC NR: AT6001385 SOURCE CODE: UR/3180/64/009/000/0027/0028

AUTHOR: Provornov, S. M. (Professor); Grebennikov, O. F. (Candidate of technical sciences; Docent); Gusev, V. P.

ORG: none

TITLE: Scanning camera capable of 500 million frames per second

SOURCE: Akademiya nauk SSSR. Komissiya po nauchnoy fotografii i kinematografii. Uspekhi nauchnoy fotografii, v. 9, 1964, 27-28

TOPIC TAGS: high speed camera, motion picture camera, plasma research/RKS-1 motion picture camera, RKS-2 motion picture camera, 16S-2 motion picture camera

ABSTRACT: A group of designers associated with the Leningrad Institute of Motion Picture Engineers has perfected their RKS-1 camera. Originally developed in 1958

with a capacity of 100 million frames per second, the camera's exposure frequency has now been increased to 500 million frames per second for use in the investigation of certain plasma, light amplification, chemical, and nuclear processes. The general arrangement of the new camera, the RKS-2, is shown in a diagram. The camera is provided with three exchange lenses with focal lengths of 35, 50 and 85 mm. The camera is suitable for both macro- as well as microphotographs. The scanning is effected by either of two point rasters (0.4 and 0.7 mm spacing, giving a capacity of 90 and 250 frames, respectively). The two mirrors rotate at 30,000 rpm. Twenty-four exposure frequencies can be selected with 10 sup 7 frames per second. The mirror rotating system develops and transmits a synchronizing signal to the object at a pre-set speed. The decoding of the images can be accomplished in the camera.

The 16S-2 motion picture camera can be used for transfer of the images to 16 mm film. Orig. art. has 1 figure.

Card 1/1 SUB CODE: 14, 20/ SUBM DATE: none/ ORIG REF: 002

59
B+1

ACC NR: AF7010699

SOURCE CODE: UR/0077/67/012/001/0045/0053

AUTHOR: Gusev, V. P.; Grebennikov, O. F.; Provornov, S. M.; Shablovich, B. I.; Medvedev, A. G.

ORG: Leningrad Institute of Motion Picture Engineers (Leningradskiy institut kinoinzhenerov); Krasnogorsk Mechanical Works (Krasnogovskiy mekhanicheskiy zavod)

TITLE: High-speed raster-type motion picture camera RKS-2M

SOURCE: Zhurnal nauchnoy i prikladnoy fotografii i kinematografii v. 12, no. 1, 1967, 45-53

TOPIC TAGS: motion picture camera, high speed camera / RKS-2M high speed motion picture camera

SUB CODE: 14

ABSTRACT: As reported earlier by Provornov and Grebennikov (Tekhn. kino i televideniya, 1957, No 2; 1959, No 2), the Leningrad institute LIKI has been working for years on the development of the raster-type motion picture camera. In 1957 several laboratory models of cameras with a speed of 100 million frames per second were produced; in 1960 a triggered camera with a speed range of 1,000 to 150,000 frames per second, and in 1963 a raster type motion picture camera with a speed of up to 500 million frames per second

ACC NR: AP7010699

were produced. Although two later models have gone into production at the Krasnogorsk Mechanical Works, this article gives the general principles of operation and the technical characteristics for the 1963 camera, the RKS-2M. The optical raster was produced at NIKFI (Scientific-Research Motion Picture Institute) and consists of a glass plate on which a number of spherical lenses are arranged so that each will produce in a single plane a circular image of the photographed object about 5-10 microns in diameter. The RKS-2M is described as a completely reliable camera. The illustrations include diagrams of the main optical system, the drive system and block diagram of the control panel, and photographs of the complete set, including auxiliaries, of the camera itself (1,500 mm long, 400 mm wide, 600 mm high, 100 kilograms) and six frames showing the various phases of discharge of the ISSh-500 pulsed tube obtained with the RKS-2M at a speed of 260 million frames per second, using 16-mm "Mikro" film. Orig. art. has: 7 figures.
JPRS: 40,300

ACC NR: AR7004886

SOURCE CODE: UR/0276/66/000/009/V032/V032

AUTHOR: Sorokin, I. N. ; Shil'meyster, B. D. ; Grebennikov, O. P.

TITLE: Test data on vibration wrapping of sheets

SOURCE: Ref. zh. Tekhnologiya mashinostroyeniya, Abs. 9V236

REF SOURCE: Tr. Kafedry proiz-va letatel'n. apparatov. Kuybyshevsk. aviats. in-t, vyp. 20, ch. 2, 1965, 75-83

TOPIC TAGS: sheet metal, vibration analysis, metal test, material deformation, vibration wrapping

ABSTRACT: Conditions for modernizing wrapping presses were analyzed for the purpose of using vibrational forming of blanks at the final stage of wrapping. A laboratory setup was developed for wrap-forming vibration. According to the results obtained from tests on the experimental setup, it was determined that the combination of static and vibrational methods of application of force in forming a specimen reduces the number of transitory stages by 25—30%. The deformation resistance of metal is reduced and the area of uniform deformations is slightly increased. The

Card 1/2

UDC: 621.981.011

ACC NR: AR7004886

above is found to upgrade the process of wrapping and makes the modernization of presses essential. Orig. art. has: 7 figures. S. Shirman. [Translation of abstract] [AM]

SUB CODE: 13, 11/

Card 2/2

GREBENNIKOV, P.G.

New stage. Zdorov'e 6 no.10:3 0 '60.

(MIRA 13:9)

1. Zaveduyushchiy otделom Tul'skogo komiteta Kommunisticheskoy partii
Sovetskogo Soyuza.

(TULA--HEALTH EDUCATION)

GREBENNIKOV, P. S., Cand Med Sci -- (diss) "Experience in the Control of Leprosy and Ways for Its ^{Elimination} Liquidation in Rostovskaya Oblast." Rostov-on-Don, 1957. 14 pp (Rostov-on-Don State Med Inst), 200 copies (KL, 50-57, 120)

- 33 -

TORSUYEV, N.A., prof.; GRIBENNIKOV, P.S., kand. med. nauk

Forms of participation of local preventive and therapeutic centers
in leprosy control. Sov.med. 23 no.1:138-143 Ja '59.

(MIRA 12:2)

1. Iz Rostovskogo-na-Donu eksperimental'no-klinicheskogo lepro-
soriya Ministerstva zdavookhraneniya RSFSR.

(LEPROSY, prev. & control
in Russia (Rus))

GREBENNIKOV, P. Ye.

GREBENNIKOV, P. Ye. "On recognizing hard wheat types of Azerbaijan", Izvestiya Azerbaydzh. s.-kh. in-t in. Beriya, No. 3, 1948, p. 3-22, (continuation follows).

SO: U-4393, 19 August 53, (Letopis 'Zhurnal 'nykh Statey', No. 22, 1949).

GREBENNIKOV, P. E.

USSR / Cultivated Plants. Cereals.

M.

Abs Jour : Ref Zhur - Biol., No 8, 1958, No 34614

Author : Grebennikov, P. E.

Inst : AS AzerbSSR, Baku

Title : Debilitation of Seeds in winter Wheat Under Conditions of Irrigation and Their Correction by Agricultural Methods

Orig Pub : Tr. nauch. sessii Soveta koordinatsii AN AzerbSSR, Baku, AN AzerSSR, 1957, 144-155.

Abstract : In the Uchkhoze of the Agricultural Institute of Azerbaydhan and in the collective farms of various districts of the AzerbSSR, experiments were conducted during 1948-1953 with the varieties Aranda and Shark, towards ascertaining the effects on the absolute weight, the characteristics, such as glassiness, etc. of wheat

Card 1/3

COUNTRY : USSR
 SUBJECT : Cultivated plants. Grains. Leguminos. Grains.
 Technical Journals.
 PERIODICAL : Vestn. Azer-Biologiya, No. 1, 1957, No. 1-2
 Author : Grebennikov, P.Ye.; Nevruzov, Ch.M.
 INST. : Azerbaydzhan Agric. Inst.
 TITLE : The Effect of Fertilizers on the Growth of
 under Indicated Conditions.

ORIG. PUB.: Zh. Azerb. s.-kh. in-za, 1957, 4, 67-75

ABSTRACT : The necessity for the introduction of organic-
 mineral fertilizers is noted; especially effective
 is the introduction of these fertilizers
 in small doses simultaneously with the sowing.
 Under conditions of the Kirovobad soil-climatic
 microzone, corn responds best of all to
 nitrogen fertilizers, less so phosphorus ones
 and quite weakly to potassium fertilizers.
 The best result of feeding with nitrogen and
 phosphorus fertilizers is attained when they

C.F.D. : 1/3

GREBENNIKOV, P. Ye.

COUNTRY : USSR
CATEGORY : Cultivated Plants. Grains. Leguminous Grains.
Tropical Cereals.

ABST. JOUR. : RZhBiol., No. 2, 1957, No.160

AUTHOR : Grebennikov, P. Pavlovich, II.

TITLE : Raising the Field Germination of Shark Wheat Seeds

DOC. NO. : Dokl. Akad. Nauk Azerb. SSR, 1957, No. 8, 23-25

SYNOPSIS : Study of the influence of various factors on field germination of winter wheat seeds of Shark was carried out by the chair of plant growth of the Azerbaijan Agricultural Institute during the years of 1953 through 1956. Careful purification and sorting of the sowing material according to its absolute and specific gravity affects the germination of wheat seeds. The best absolute weight for Shark winter wheat is 32-50 grams. The highest crop is obtained under optimum sowing periods at a depth of 3-7 cm, under the interaction of moisture up to sowing

REF: 1/2

: 0018
CATEGORY : Cultivated Plants. Grains. Leguminous Grains.
Tropical Cereals.
RES. JOUR : Ref Zhur-Biologiya, No. 5, 1959, No. 20252
AUTHOR : Grebennikov, P.Ye.
INST. : Azerbaydzhan Agric. Inst.
TITLE : The Problem of Studying Varietal Response in
Corn and Fertilizers When Irrigating Light
Chestnut Soil.
ORIG. PUB.: V sb.: Kul'tura kukuruzy v SSSR. M., "Sov.
nauka", 1957, 129-131
ABSTRACT : Data are presented of the Azerbaydzhan Agri-
cultural Institute studying the varietal
complex agrotechny which produces high corn
yields of Minnesota 15 Extra and North Osse-
tian with irrigation. When the soil had been
worked according to T.S.Mal'tsev's and V.R.
Vil'yams' methods, the effect was studied
on the grain and roughage yields of: doses
of organic mineral fertilizers applied in
basic form and in sidedressings, the relation

CARD: 1/2

GREBENNIKOV, R.V.

RUSSIAN MASS I BOMB EXPLOSIONS 80W/271A

International Conference on the Peaceful Uses of Atomic Energy. 2nd, Geneva, 1958

belly verkhnykh uchastkakh; yedrovye goruyushy i radioizotopy etatsly. (Reports of Soviet Scientists; Nuclear Fuel and Reactor Metals) Moscow, Akademiya, 1959. 670 p. (Series: IZ; Tech, vol. 3, 8,000 copies printed.)

Ms. (Title page); A.A. Becker, Academician, A.P. Vinogradov, Academician, A.P. Vinogradov, Corresponding Member, USSR Academy of Sciences, and A.P. Kellner, Doctor of Technical Sciences; Ed. (Inside book): V.V. Pavlov and G.M. Pchelintseva; Tech. Ed.: E.I. Masal.

Summary: This volume is intended for scientists, engineers, technicians, and biologists working in the production and peaceful application of atomic energy; for professors and students of schools of higher technical education where the subject is taught; and for people interested in atomic science and technology.

Contents: This is volume 3 of a 4-volume set of reports on atomic energy, presented by Soviet scientists at the Second International Conference on the Peaceful Uses of Atomic Energy, held in Geneva from September 1 to 13, 1958. Volume 3 consists of two parts. The first part, edited by A.I. Zubov, is devoted to geology, prospecting, concentration and processing of nuclear energy material. The second part, edited by G.L. Zverev, includes reports on metallurgy, metallography, processing technology of nuclear fuel and reactor metals, and neutron irradiation effects on metals. The titles of the individual papers in most cases correspond well for the titles in the original English language edition on the other volume of the set. See 80W/2681 for the titles of the other volumes.

Author: A.A. Becker, I.G. Bikhilov, I.I. Formilov, I.A. Fedorovich, D.D. Kabanov, and A.A. Kocharyan. Some Problems of Processing Zirconium and Its Alloys by Pressure (Report No. 2045)

Zverev, G.L. and V.F. Grigorovich. Structure and Properties of Zirconium Alloys (Report No. 2046)

Kocharyan, A.A., Fed. Gedia, and A.I. Yevsyushin. Mechanical Properties of Zirconium Alloys and Zirconium Alloys with Titanium and Niobium at Room and Elevated Temperatures (Report No. 2055)

Kocharyan, A.A., A.M. Kamalov, A.I. Yevsyushin, and I.A. Fedorovich. Electron Diffraction and Kinetic Investigation of the Oxidation Reactions of Zirconium and Some of Its Alloys (Report No. 2054)

Adzhartunyan, E.G., A.A. Kiselev, I.I. Formilov, R.V. Grebennikov, V.I. Krut'ko, and A.V. Pichulin. Mechanical Properties and Corrosion Resistance of Zirconium and Its Alloys in Water, Steam, and Gases at High Temperature (Report No. 2044)

Cont 8/11

GREBENNIKOV, R.V.; SHAMASHOV, F.P.

Mechanical properties and corrosion resistance of hafnium-
zirconium alloys in a steam-and-water medium. Atom.energ.
14 no.3:290-295 Nr '63. (MIRA 16:2)
(Hafnium-zirconium alloys)

L-57878-65 EWP(m)/EWP(k)/EWP(z)/EWA(c)/EWP(i)/EWP(b)/T/EWP(e)/EWP(w)/EWP(t)
Pf-l/Pad IJP(c) JD/HW

ACCESSION NR: AP5016937

UR/0089/65/018/006/0644/0646
669.14:66.046.1

AUTHOR: Grebennikov, R. V.; Churkin, A. V.

TITLE: Effect of the crystallization speed and annealing on the plastic properties of high-boron steel

SOURCE: Atomnaya energiya, v. 18, no. 6, 1965, 644-646

TOPIC TAGS: stainless steel, boron containing stainless steel, cast steel microstructure, cast steel plasticity, crystallization speed effect, rolled steel plasticity

ABSTRACT: Stainless steel containing 0.03—0.05% C, 0.40—0.61% Si, 19.9—20.7% Cr, 14.5—17.9% Ni and 1.86—2.35% B was cast at 1450—1500C in sand or in copper molds, the latter with a wall thickness of 20 mm. The ingots, 15 mm thick, were rolled at 1150—950C to a thickness of 1—6 mm with a 0.2—1.0 mm reduction per pass, annealed at 1100C for 10 min and air cooled. Microscopic examination showed that the crystallization rate significantly affected the grain size and shape of the boride phase and the mechanical properties

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L-57878-65

5

ACCESSION NR: AP5016937

of cast metal. The average thickness of borides crystallized in sand molds was 10 μ , while borides crystallized in copper molds were 0.5—3.0 μ thick. This fragmentation of the boride component sharply increased the steel ductility. Sheets, 1 mm thick, without edge cracks and tears were successfully rolled only from ingots cast in copper molds. The difference in the size of boride particles in the outer and central portion of the ingot had no adverse effect on the ductility of ingots. The size of boride grains in rolled metal depended on their size in the initial ingots. Thus, sheets rolled from ingots cast in copper molds had finer boride grains. Subsequent high-temperature annealing improved the microstructure and plastic properties of ingots. Annealing also improved the mechanical properties of rolled metal. Orig. art. has: 3 figures and 1 table. [MS]

ASSOCIATION: none

SUBMITTED: 04Apr64

ENCL: 00

SUB CODE: MM, 55

NO REF SOV: 000

OTHER: 002

ATD PRESS: 4044

272

L 39712-66 EWP(k)/EWI(m)/EWP(t) IJP(c) JD/JG/CD-2

ACC NR: AP6007951

(N)

SOURCE CODE: UR/0089/66/020/002/0144/0145

AUTHOR: Grebennikov, R. V.; Chirkin, A. V.; Pereverzeva, R. K.; Vukolova, V. N.;
Demidov, P. I.

18
B

ORG: none

TITLE: Effect of vanadium on the phase composition and structure of high-boron steel

SOURCE: ^{85, 29}Atomnaya energiya, v. 20, no. 2, 1966, 144-145

TOPIC TAGS: boron steel, high boron steel, steel machinability, machinability improvement, boron containing steel, alloy steel, vanadium containing steel

ABSTRACT: The effect of vanadium on the structure and machinability of high-boron steels has been studied. These steels have a low plasticity and machinability caused by a high content of boron phase of the M_2B type. The amount of this phase can be reduced by promoting formation of borides containing more boron per unit volume than M_2B . Nine heats containing up to 0.02% carbon, 0.47-20.4% chromium, 0-17.83% nickel, 2.88-3.46% boron and 0-11.2% V were tested. It was found that in the presence of vanadium, in addition to M_2B boride, a tetragonal M_3B_2 boride is formed whose quantity increases with increasing vanadium content. At 11% vanadium, the whole boride phase consists of M_3B_2 , and the volume of the boride phase decreases by approximately 10%. The steel containing 3-3.5% boron and 7-11% vanadium can be easily machined with standard cutting tools. Orig. art. has: 2 figures and 1 table. [WW]

SUB CODE: 11/ Card 1/14/13/ SUBM DATE: 07Aug65/ OTH REF: 005/ ATD PRESS: UDC: 669.15:621.039

GREBENNIKOV, S. D.

"Pseudo-rosette Disease (Zakuklivaniia) of Oats in Siberia and its Control," in Virus Diseases of Plants and Measures for Their Control, Works of the Conference on Virus Diseases of Plants 1940, Publishing House of the Academy of Science USSR, Moscow, 1941, pp. 107-119. 464. 32 So8

SO: SIRA SI 90-53, 15 Dec 1953

GREBENNIKOV, S. F.

GREBENNIKOV, S. F. -- "ELECTROAUTOMATIZATION OF THE INTERROW CULTIVATION PROCESS IN ROW
SOWING." SUB 10 DEC 52, MOSCOW INST OF MECHANIZATION AND ELECTRIFICATION OF AGRICULTURE
IMENI V. I. MOLOTOV (DISSERTATION FOR THE DEGREE OF CANDIDATE IN TECHNICAL SCIENCES)

SO: VECHERNAYA MOSKVA, JANUARY-DECEMBER 1952

GREBENNIKOV, S.F., kandidat tekhnicheskikh nauk.

Time parameters for automatic control of cultivation between hills
in connection with checkrowing and hill dropping. Trudy NIMESKH 3:
36-42 '56. (MLRA 10:8)

(Cultivators) (Automatic control)

GREBENNIKOV, S.F.

3-5-28/38

AUTHORS: Grebennikov, S.F. Candidate of Technical Science and Stepanov,
M.P.

TITLE: To Introduce New Methods in Laboratory Practice (Novoye - v
laboratornyy praktikum)

PERIODICAL: Vestnik vysshey shkoly, 1957, Nr 5, pp 71 - 73 (USSR)

ABSTRACT: New laboratory work methods of measuring electrically non-
electric values were elaborated at the chair of Principles of
Electric Engineering of the Moscow Institute of Mechanization
and Electrification in Agriculture. The aim of this work is
to acquaint the students with the utilization of the wire trans-
ducers for the investigation of bending and torsion.

The investigation of bending is described first. A wire
transducer having a resistance of 100 ohm is glued to a console
beam as shown in Figure 1. The investigation is made by means
of an electric bridge circuit mounted on a wooden panel and
consisting of 100-ohm resistors. A variable 2-ohm wire resis-
tor is located in series with a fixed resistor on one of the
bridge arms. A mirror galvanometer is used for obtaining the zero
reading. Current is supplied by a battery. The sensitivity
of the bridge circuit may be altered by changing the battery
voltage. By changing the resistance, the sensitivity of the
galvanometer can be altered.

Card 1/3

To Introduce New Methods in Laboratory Practice

3-5-28/38

ing the action of arbitrary forces.

The authors believe that the carrying out of the above mentioned task will direct the attention of the future specialists on new methods for the investigation of details in machine units and operating mechanisms. The article contains 2 photographs, 1 circuit diagram and 4 tables.

ASSOCIATION: Moscow Institute of Mechanization and Electrification of Agriculture imeni V.M. Molotov (Moskovskiy institut mekhanizatsii i elektrifikatsii sel'skogo khozyaystva imeni V.M. Molotova)

AVAILABLE: Library of Congress

Card 3/3

GREBENNIKOV, S.F.

Study of a flat electromagnet for cultivator automation. Trudy
MIMESKH 4 no.2:152-164 '59. (MIRA 15:4)
(Cultivators) (Electromagnets)

GREBENNIKOV, V. (g.Isil'-Kul' Omskoy oblasti)

Microscope without a glass. Tekh.mol. no.1:27: '61. (MIRA 14:3)
(Microscopes)

GREBENNIKOV, V.G., FEDYAYEVSKIY, K.K., and BLYUMINA. L.Kh.

"Study of the hydrodynamic characteristics of a minimally elongated dihedron in unstable motion."

report presented at the 11th Annual Scientific Technical Conference on Ship Theory, organized by the Central Administration of the Scientific-Technical Society of the Shipbuilding Industry, 13-15 December 1960.

ACC NR: AR6035210 SOURCE CODE: UR/0274/66/000/008/A017/A017

AUTHOR: Finkel'shteyn, Ye. Z.; Grebennikov, V. R.

TITLE: Passage of white noise through a linear parametric system of the first order

SOURCE: Ref. zh. Radiotekhnika i elektrosvyaz', Abs. 8A105

REF SOURCE: Tr. Nauchno-tekhn. konferentsii Leningr. elektrotekhn. in-ta svyazi, vyp. 2, 1965, 121-129

TOPIC TAGS: white noise, radio noise, parameter, parametric system

ABSTRACT: The authors investigated the passage of white noise through a linear system of the first order with a variable parameter. It is assumed that changes in the parameter occurs according to the harmonic law. The correlation function and the variance of the process at the output of the system are found. It is shown that the approach to the solution of the given problem can be used in a number of other cases. The authors' summary. [Translation of abstract] [NT]

SUB CODE: 17/

Card 1/1

UDC: 621.391.17

8(6)

SOV/112-59-2-2588

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 2, p 44 (USSR)

AUTHOR: Naydich, I. M., and Grebennikov, V. S.

TITLE: Long-Term Heat Consumption by Frunze City
(Perspektivnoye teplopotrebleniye g. Frunze)

PERIODICAL: Tr. In-ta vodn. kh-va i energ. AS Kirgizskaya SSR, 1957, Nr 4(7),
pp 161-172

ABSTRACT: The problems of supplying electricity, heat, and gas to Frunze City can be solved in connection with construction of a heat-and-electricity station in the near future. This necessitates operating the station on the basis of a complex processing of solid fuel which would permit raising fuel utilization up to 70-80%. Indexes of city growth are presented, as well as methods for determining heat consumption by residential, administrative, and community buildings, by municipal utilities, suburban agriculture, railroad transportation, and industries. A table on long-range heat consumption is compiled.

Card 1/2

SOV/112-59-2-2588

Long-Term Heat Consumption by Frunze City

Information about carrying the heat loads today is provided. Industry is the largest long-range and present consumer (about 60% of the heat load); it is followed by the residential load (about 20%). A considerable increase in fuel deliveries to Frunze City to satisfy heat requirements is necessary during the next few years as well as in the future, and also in production of electric energy and residential-service gas. Bibliography: 14 items.

M. L. Z.

Card 2/2

GREBENNIKOV, V.S.

Laboratory controller of heating speed. I.AN Kir.SSR.Ser.est.1
tekh.nauk 2 no.7:181-187 '60. (MIRA 14:4)
(Temperature regulators)

GREBENNIK, V.S.; GREBENNIK, I.L.; YERMOLOV, I.N.

Determination of the dimensions of defects by ultrasonic testing
without standard samples. Zav. lab. 29 no.10:1181-1186 '63.
(MIRA 16:12)

1. Tsentral'nyy nauchno-issledovatel'skiy institut tekhnologii
i mashinostroyeniya.

GREBENNIKOV, L.S.

Influence of the rise of ground water on filtration through
a rock-filled dam. Izv.AN Kir. SSR. Ser. est. i tekhn. nauk
5 no.3:115-118 '63. (MIRA 16:11)

GREENNIKOV, P.V.

Activity of the standardization department at the Kharkov
Turbine Plant. Standartizatsiia 28 no.1:37-38 Ja '64.
(MIRA 17:1)

BARON, S.G.; GREBENNIKOV, V.V.; LUDINSKIY, N.M.; TSEYTER, G.D.;
BARONOV, A.Ya., red.

[Easing the start of engines in winter] Oblegchenie pusk
dvigatelei v zimnee vremya. Moskva, Nauchno-tekhn. i in-
zhinernyye izobreteniya v oblasti avtomobil'nogo transporta i shosseinykh dorog
RSFSR, 1963. 70 p. (MIA 17:10)

GREBENNIKOV, YE. A.

2

AKSENOV, Ye. P., GREBENNIKOV, Ye. A. and DEMIN V. G.

"Generalized problem of two stationary centers"

Report presented at the Conference on Applied Stability-Of-Motion Theory and Analytical Mechanics, Kazan Aviation Institute, 6-8 December 1962

TEARIK, I.T.; GREBENNIKOV, Ye.A., kand. fiz.-mat.nauk,dots.,
red.

[Textbook on higher mathematics for students of economics]
Posobie po vysshei matematike dlia ekonomistov. Moskva,
Univ. druzhby narodov im. Patrisa Lumumby. Pt.2. 1963. 181 p.
(MIRA 17:9)

ACCESSION NR: AT3006845

S/2560/63/000/016/0163/0172

AUTHORS: Aksenov, Ye. P.; Grebenikov, Ye. A.; Demin, V. G.

TITLE: On the stability of some classes of orbits of artificial Earth satellites

SOURCE: AN SSSR. *Iskusst. sputniki Zemli*, no. 16, 1963, 163-172

TOPIC TAGS: satellite, Earth satellite, artificial satellite, artificial Earth satellite, stability, orbit stability, equatorial orbit, circular equatorial orbit, polar orbit, elliptical orbit, polar elliptical orbit, ellipsoidal orbit, hyperboloidal orbit, hyperbolic orbit

ABSTRACT: This theoretical paper issues from the authors' antecedent study, in the same series of booklets, no. 8, 1961, 64, in which the motion of artificial Earth (E) satellites (S) was examined in the normal gravitational field (NGF) of the E. The NGF, in the geocentric system of cylindrical coordinates, r , ϕ , z , the principal plane of which is assumed to be the equatorial plane of the E, and the z axis is the axis of rotation of the E, is expressed by the formula

$$U = \frac{fM}{2} \left\{ \frac{1}{\sqrt{r^2 + (z-ci)^2}} + \frac{1}{\sqrt{r^2 + (z+ci)^2}} \right\}. \quad (1)$$

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ACCESSION NR: AT3006845

where f is the gravitational constant, M is the mass of the E , and $c=210$ km is a quantity determined by the flattening of the E . The present paper investigates the stability (in the sense of A. M. Lyapunov) of the particular solutions admitted by the differential equations of motion of this dynamic problem, also their stability under constantly acting perturbations (CAP) of a given form. These solutions, in particular, correspond to polar elliptical orbits, circular equatorial orbits, and periplegmatic orbits located on several ellipsoids, etc. The stability analyses set forth here comprise: (1) Stability of circular equatorial orbits (CEO); it is proved that CEO's are stable under CAP. In the potential of the NGF of the E , there are no longitudinal terms characteristic of triaxiality and also no terms that might be occasioned by asymmetries of the E relative to the equatorial plane. Harmonics of higher orders are also not fully considered. (2) Stability of ellipsoidal and polar elliptical orbits (PEO). It is demonstrated that the PEO's are stable with respect to the major semi-axis and the eccentricity of the ellipse. It is also found that for sufficiently small values of c_{10} , ellipsoidal orbits will also be stable in the Lyapunov sense relative to the major axis and the eccentricity of the ellipsoids along which the artificial S moves. (3) Stability of hyperboloidal and hyperbolic orbits (HHO). It is demonstrated that these orbits are stable with respect to the semi-axes of the hyperboloid along which the motion occurs and with respect to its eccentricity. Orig. art. has 61 numbered equations.

Card 2/3

GREBENNIKOV, Yevgeniy Aleksandrovich; DEMIN, Vladimir Grigor'yevich;
GUREVICH, Yu.G., red.

[Interplanetary flights] Mezoplanetnye polety. Moskva, Nauka,
1965. 199 p. (MIRA 18:11)

AKSENOV, Ye.B.; GREBENIKOV, Ye.A.; DEMIN, V.G.

Generalized problem of two fixed centers and its application to
the theory of motion of artificial earth satellites. Astron.zhur.
40 no.2:363-372 Mr-Apr '63. (MIRA 16:3)

1. Gosudarstvennyy astronomicheskiy institut im. P.K.Shternberga.
(Artificial satellites--Orbits)

GREBENNIKOV, ye P. Cand Med Sci -- (diss) "Changes in the Content
of Certain Microelements and Protein Fractions of the Blood in
Pregnant Women Afflicted with Late Toxicosis," Stalino, 1960, 16 pp,
330 copies (Stalino State Medical Institute im A. M. Gor'kiy) (KL, 49/60, 128)

GREBENNIKOV, Ye.P.

Effect of albuminuria on the amount of various trace elements
in the blood of women with late toxemias of pregnancy. Akush.i
gin. 36 no.4:82-85 JI-Ag '60. (MIRA 13:12)
(PREGNANCY, COMPLICATIONS OF) (ALBUMINURIA) (TRACE ELEMENTS)

GREBENNIKOV, Ye.P.

Amount of copper, silica, aluminum, titanium, and manganese
in the blood of newborn infants. *Pediatrics* 38 no.10:29-30
0 '60. (MIRA 13:11)

1. Iz kafedry akusherstva i ginekologii (zav. -- doktor med.nauk
prof. P.P. Sidorov) i kafedry biokhimii (zav. -- doktor med.nauk
prof. A.O. Voynar) Stalinskogo meditsinskogo instituta.
(INFANTS (NEWBORN)) (BLOOD)

GREBENNIKOV, YE. P. (USSR)

"Effect of Late Toxaemia of Pregnancy on the Trace Elements and Protein Content of the Blood."

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

GREBENNIKOV, Ye. P., assistant; SOROKA, V. R., assistant

Change in the copper and manganese content of the liver and of
the blood proceeding from the liver during pregnancy in experiments
on angiotomized dogs. Akush. i gin. no.3:37-40 '61.
(MIRA 14:12)

1. Iz kafedry akusherstva i ginekologii (zav. - prof. P. P. Sidorov)
i kafedry biokhimi (zav. - prof. A. O. Voynar) Stalinskogo
meditsinskogo instituta.

(PREGNANCY) (COPPER IN THE BODY)
(MANGANESE IN THE BODY)

GREBENNIKOV, Ye.P. [Hriebennikov, Ye.P.], assistant

Protein fractions in women with late toxicoses of pregnancy.
Ped., akush. i gin. 23 no.3:61 '61. (MIRA 15:4)

1. Kafedra akusherstva i ginekologii (zav. - prof. P.P.Sidorov
[Sydorov, P.P.]) i kafedra biokhimi (zav. - prof. A.O.Voynar)
Stalinskogo meditsinskogo instituta (direktor - dotsent A.M.
Ganichkin [Hanichkin, A.M.], oblastnaya klinicheskaya bol'nitsa
im. M.I.Kalinina (glavnyy vrach - B.A.Shaparenko).
(BLOOD PROTEINS) (PREGNANCY, COMPLICATIONS OF)

SOROKA, V.R.; GREBENNIKOV, Ye.P.

Effect of pregnancy on the content of silicon, aluminum and titanium in the liver and blood flowing from the liver in experiments on angiotomized dogs. Biul. eksp. biol. i med. 52 no.8:62-64 Ag '61. (MIRA 15:1)

1. Iz kafedry biokhimii (zav. - prof. A.O.Boynar) i kafedry akusherstva i ginekologii (zav. - prof. P.P.Sidorov) Stalinskogo meditsinskogo instituta imeni A.M.Gor'kogo, Donbass. Predstavlena deystvitel'nyy chlenom AMN SSSR S.Ye.Severinym. (PREGNANCY) (LIVER) (MINERALS IN THE BODY)

GREBENNIKOV, Ye.P.; SOROKA, V.R.; SABADASH, Ye.V.

Content of microelements in the milk of animals and humans.
Vop. pit. 22 no.1:87-88 Ja-F'63 (MIRA 16:11)

1. Iz kafedry biokhimii (nauchnyy rukovoditel' - prof. A.O. Voynar) i kafedry akusherstva i ginekologii (zav. - prof. P.P. Sidorov) Donetskogo meditsinskogo instituta.

*

GREBENNIKOV, Ye.P., kand. med. nauk; SOROKA, V.R., kand. med. nauk.

Trace element content of human milk. *Pediatrics* 42 no.6:16--20
Je'63 (MIRA 17:1)

1. Iz kafedry biokhimii (nauchnyy rukovoditel' prof. A.O. Voynar) i kafedry akusherstva i ginekologii (zav. - prof. P.P.Sidorov) Donetskogo meditsinskogo instituta.

GREBENNIKOV, Ye.P.

Content of some trace elements and proteins in the blood in pregnancy vomiting. Sov. med. 27 no.2:134-135 F '64. (MIRA 17:10)

1. Kafedra akusherstva i ginekologii (zav. - prof. P.P. Sidorov)
i kafedra biokhimi (nauchnyy konsul'tant - prof. A.I. Voynar)
Donetskogo meditsinskogo instituta.

BOLOTOV, L.; GREBENNIKOV, Yu.; FOMKIN, B.; KHERUVIMOV, V.

Readers' Letters. NTO 5 no.5:43 My '63. (MIRA 16:7)

1. Zamestitel' predsedatelya Khar'kovskogo oblastnogo pravleniya Nauchno-tekhnicheskogo obshchestva sel'skogo khozyaystva (for Bolotov). 2. Predsedatel' sektsii zhivotnovodstva Vitebskogo oblastnogo pravleniya Nauchno-tekhnicheskogo obshchestva sel'skogo khozyaystva (for Grebennikov). 3. Chlen soveta nauchno-tekhnicheskikh obshchestv Gosudarstvennogo vsesoyuznogo instituta po proyektirovaniyu i nauchno-issledovatel'skim rabotam tsementnoy promyshlennosti (for Fomkin). 4. Uchenyy sekretar' soveta nauchno-tekhnicheskogo obshchestva Kurskoy oblastnoy veterinarnoy laboratorii (for Kheruvimov).
(Technological innovations)

GREBENNIKOV, Yu. S., ^{Cand.} Master Agric Sci -- (class) "The use of corn silage for feeding
milk cows in the Leningrad oblast farms." Leningrad, 1957, 19 pp. (Muzh Agric
USSR. Leningrad Vet Inst), 100 copies (ML, No 40, 1957, p.94)

I 33197-66 EWT(1)/EWT(m)/EWP(j) IJP(c) RM
ACC NR: AR6016213 SOURCE CODE: UR/0058/65/000/011/DO61/DO61

AUTHOR: Rabotkin, V. L.; Grebennikova, A. A.; Vetrova, Ye. M. 65

TITLE: New copperless electroluminors based on zinc sulfide B

SOURCE: Ref. zh. Fizika, Abs. 11D469

REF SOURCE: Sb. Probov dielektrikov i poluprovodnikov, M.-L., Energiya, 1964, 356-359

TOPIC TAGS: electroluminescence, luminor, zinc compound optic material, transition element, light excitation, complex molecule.

ABSTRACT: The authors note that neither the existing theories of electroluminescence (EL) nor the treatment of EL within the framework of the band scheme is satisfactory. The aging of luminors in an electric field is considered, especially at increased temperature. It is assumed that besides the non-inertial excitation process there exist also slow processes, connected for example with motions of the ions. A new mechanism of excitation is proposed, connected with the destruction of the complexes produced by activator ions of variable valence with cation vacancies, with ions of the co-activator flux residues, etc. The complexes can be broken up either by the field, by heat, or by both. It is stated that the previously established laws of EL do not contradict the proposed model. To confirm the presented considerations, a ZnS-Cr luminor was synthesized without Cu. It was assumed that the interaction of the transition metal (co-activator) should contribute to the formation of complexes,

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L 33197-66

ACC NR: AR6016213

without contributing to the development of excitation mechanisms within the framework of the existing theories. The obtained luminor had blue EL at a Cr concentration $5 \times 10^{-4} - 10^{-5}$ g/g. A similar luminor without Cr has no EL. The experiment is regarded as proof of the possibility of existence of an ion-hole excitation mechanism of electroluminors by a field, and of the special role played by the transition metals as activators and co-activators in EL of ZnS. Bibliography, 12 titles. A. Burlakov. [Translation of abstract]

SUB CODE: 20 /

Cont. 2/2 *pla*

GREBENNIKOVA, A.T. (Leningrad, ul. Botkinskaya, d.23).

Use of hypothermia and potentiated anesthesia in surgery for mitral stenosis. Nov.khir.arkh. no.1:16-23 Ja-F '58. (MIRA 11:11)

1. Klinika gosptal'noy khirurgii (zav. - prof. I.S. Kolesnikov)
Voyenno-meditsinskoy akademii imeni S.M. Kirova.
(ANESTHESIA)
(MITRAL VALVE--SURGERY)

GREBEINIKOVA, A.T., kand. med. nauk.; IVAN'KOVICH, F.A.

Blind penetrating wound of the thorax with a piece weighing 1533 grams.
Khirurgia 34 no.12:91-92 D '58. (MIRA 12:1)

1. Iz kliniki gospital'noy khirurgii (nach. - prof. I.S. Kolesnikov)
Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova i iaz bol'-
nitsy zavoda "Bol'shevik" (glavnyy vrach V.A. Tvaridze).

(THORAX, wds. & inj.

penetrating wound by large piece of metal (Rus))

GREBENNIKOVA, A. T., kand. med. nauk; YERMOLAYEV, V. R., kand. med. nauk

Acute gastric obstruction caused by complete relaxation of the left half of the diaphragm with transposition of the stomach, spleen and left lobe of the liver into the thoracic cavity. Khirurgiia 37 no.7:87-90 J1 '61. (MIRA 15:4)

1. Iz kliniki gospiatal'noy khirurgii No. 1 (nach. - prof. I. S. Kolesnikov) Voenno-meditsinskoy ordena Lenina akademii imeni S. M. Kirova.

(DIAPHRAGM—DISEASES) (STOMACH) (LIVER) (SPLEEN)

GREBENNIKOVA, A.T., kand.med.nauk (Leningrad, Lesnoy pr., d.4, kv.20)

Gigantic lipoma of the anterior mediastinum. Vest.khir. no.6:
68-70 '62. (MIRA 15:11)

1. Iz 1-y gospiatal'noy khirurgicheskoy kliniki (nach. - prof.
I.S. Kolesnikov) Voenno-meditsinskoy ordena Lenina akademii
imeni S.M. Kirova.

(MEDIASTINUM--TUMORS)

GREBENNIKOVA, A.Y., Absent (Leningrad, K-9, Lesnoy prospekt, d.4, kv.20)

Surgical treatment of chronic pericarditis. Vest. Khir. 91
no.12:3-11 B '63. (MIRA 17:9)

1. Iz gospiatal'noy khirurgicheskoy kliniki (nachal'nik - prof.
I.S. Kolesnikov) Voennno-meditsinskoy ordona Lenina akademii
imeni Kirova.

GREBENNIKOVA, A.T. (Leningrad)

Thrombosis of the superior vena cava in constrictive pericarditis. Grud. khir. 5 no.5:94-97 S-0 '63. (MIRA 17:8)

1. Adres avtoraz Leningrad K-9, Botkinskaya ulitsa, dom 23, Klinika gospi'tal'noy khirurgii No.1.

KOLESNIKOV, Ivan Stepanovich; FUTOV, Nikolay Vasil'yevich;
GREBENNIKOVA, Anna Timofeyevna; KAZMIN, V.P., red.;
SIMONYAN, K.S., red.

[Chronic pericarditides and their surgical treatment]
Khronicheskie perikardity i ikh khirurgicheskoe lechenie.
Moskva, Meditsina, 1964. 225 p. (MIRA 17:7)

TETENEVA, V.F. (Murmansk); MALYSHEV, Yu.I. (Leningrad); GREBENNIKOVA,
A.T. (Leningrad); BAZHENOV, V.S.; IVASHKEVICH, E.I.;
SAFRONOVA, A.I. (Vitebsk); NOVIK, M.G.; OKUNEVA, G.N.
(Novosibirsk); NEDVETSKAYA, L.M. (Moskva); SENT-UMEROV, S.M.
(Vladivostok); PELYAVSKIY, I.P. (Odessa); LIPSKIY, L.I.;
NUTRIKHIN, N.A. (Arkhangel'sk); KERIMOV, G.M. (Baku);
BARAKOV, V.Ya. (Samarkand)

Abstracts. Grud. khir. 6 no.1:118-126 Ja-F '64.

(MIRA 18:11)

GREBENNIKOVA, A.Ye.

Coenzyme A content in the liver in carbon tetrachloride lesions.
Biol. eksp. biol. i med. 53 no.4:67-69 Ap '62. (MIRA 15:4)

1. Iz kafedry biokhimii (zav. - prof. Ya.A.Epshteyn) Meditsinskogo
instituta imeni Avitsenny, Dushanbe. Predstavlena akademikom V.N.
Chernigovskim.

(COENZYMES)

(LIVER)

(CARBON TETRACHLORIDE--TOXICOLOGY)

KRIVOSHCHEKIY, A.F., zaslužhennyy vrach BSSR; GRUBENNIKOVA, D.M.

Dispensary service in stomach diseases. Zdrav. Bel. 9 no.6:54-55
Je '63. (MIRA 17:5)

1. Iz Gomel'skogo oblastnogo onkologicheskogo dispansera (glavnyy
vrach A.F. Krivoshekiy).

IVOYLOV, A.S.; GREBENNIKOVA, D.T.

Use of microradiography for the investigation of mineral raw
materials. Zav. lab. 24 no. 5: 582-585 '58. (MIRA 11:6)

1. Irkutskiy gosudarstvennyy nauchno-issledovatel'skiy institut
redkikh metallov.

(Radiography) (Mineralogy)

OHUZBAYEV, A.U., kand.ekonom.nauk; GREBENNIKOVA, L.A.; FORER, G.L.;
SEYDOKHMATOV, O.S., otv.red.; SEMIKINA, T.F., red.izd-va;
ANOKHINA, M.G., tekhn.red.

[Ways of increasing profits from state livestock farms in
Kirghizistan] Puti povysheniia rentabel'nosti zhivotnovodcheskikh
sovkhozov Kirgizii. Frunze, Akad.nauk Kirgizskoi SSR, In-t ekono-
miki, 1960. 163 p. (MIRA 13:12)
(Kirghizistan--Stock and stockbreeding)

GREBENNIKOVA, Lidiya Alekseyevna; ARABAYEV, E.I., otv. red.; SEMIKINA,
T.F., red. izd-va; ANOKHINA, M.G., tekhn. red.

[Ways to reduce the cost of milk on meat and dairy state farms in
Kirghizia] Puti snizhenia sebestoimosti moloka v miaso-molochnykh
sovkhozakh Kirgizii. Frunze, Izd-vo AN Kirgizskoi SSR, 1961. 68 p.
(MIRA 14:11)

(Kirghizistan--Dairying--Costs)

GREBENNIKOVA, L.A., mladshiy nauchnyy sotrudnik

Determination of the lanthanide content of the air in the hygienic evaluation of working conditions. Gig. i san. 26 no.4:54-56 Ap '61.
(MIRA 15:5)

1. Iz sanitarno-epidemiologicheskoy laboratorii i kafedry gigiyeny truda I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.Sechenova.

(AIR--POLLUTION)

(RARE EARTH METALS)

SEYDAKHMATOV, O.; KAZAKOV, I.G.; STARODUBTSEV, V.S.; GREBENNIKOVA,
L.A.; BALBAKOV, M.; LEVITUS, B.I., red.izd-va; ORUZBAYEVA,
A.U., kand. ekon. nauk, red.; ANOKHINA, M.G., tekhn. red.

[Distribution and specialization of agriculture in the
suburban zone of Frunze] Razmeshchenie i spetsializatsiia
sel'skogo khoziaistva prigorodnoi zony g.Frunze. Frunze,
Izd-vo Akad. nauk Kirg.SSR, 1962. 181 p. (MIRA 16:7)
(Frunze region--Agriculture)

USSR / Cultivated Plants. Forage Crops.

M-5

Abs Jour: Ref Zhur-Biol., 1958, No 16, 73014.

Author : Grebennikova, L. P.

Inst : Not given.

Title : Some Problems in Raising Fodder Lupine.

Orig Pub: Byul. sil's'kogospod. inform. Zhitom. obl. vid. t-
va dlya poshir. polit. ta nauk. znan', 1957, No 3,
57-60.

Abstract: In the experimental farms of the Zhitomirskiy Agri-
cultural Institute, high harvest yield was obtained
of fodder lupine (360-378 c of green mass and 14.2-
16.7 c/ha of seeds) with application of phosphorus
and potassium fertilizers on a base of brown coal
wastes. With the application of single phosphorus
fertilizers, the harvest decreased to 200-232 c of
green mass and 9.3-10.4 c/ha of seeds. Potassium

Card 1/2

USSR / Cultivated Plants. Fodder Grasses and Root Crops. M-3

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 6310

Author : Grebennikova, L. P.

Inst : ~~Zhitomir Agricultural Institute~~

Title : The Effect of the Time of Top Dressing on the Yield of Seeds of Fodder Lupine

Orig Pub : Byul. sil'skogospod. inform. Zhitomir. obl. vig. t-va dlya poshir. polit. ta nauk. znan'. 1957, No 4, 79-80

Abstract : The experiment was carried out at the training-experimental farm Osniki of the Zhitomir Agricultural Institute on turf-podzolic sandy loam in 1955-1956. The sowing was effected in three lined rows at intervals of 13 - 15 cm between lines and 45 cm between rows. Oats was the preceding crop. Phosphorite

Card 1/3

USSR / Cultivated Plants. Fodder Grasses and Root Crops. M-3

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 6310

phase, the yield was 14.7 and 160. The yield in the control, without top dressing was 10.5 cwt/ha and the pure weight of the seeds was 130 g. The second variant of the experiment must be considered as the best time for applying top dressing. -- E. M. Tsvetayeva

Card 3/3

65

USSR / Cultivated Plants, Forage Crops.

M-5

Abs Jour: Ref Zhur-Biol., 1958, No 16, 73013.

Abstract: large seeds are a drawback in the forms singled out
(absolute weight 230-300 g) which hinders their
transplanting for grain crops. -- A. A. Kornilov.

Card 2/2

76

SHEPHER, Aleksandr Solomonovich, kombayner, Geroy Sotsialisticheskogo
Truda; GREBENNIKOVA, M.M., red.; GOSTISHCHEVA, Ye.M., tekhn.
red.

[My experience in harvesting] Moi opyt uborki urozhaiia.
Novosibirsk, Novosibirskoe knizhnoe izd-vo, 1960. 20 p.
(MIRA 14:5)

1. Kuybyshevskyy sel'skokhozyaystvennyy tekhnikum (for
Shefer)
(Grain--Harvesting) (Combines (Agricultural machinery))

PLENNIK, Razita Yakovlevna; SOBOLEVSKAYA, K.A., doktor biol. nauk,
prof., otv. red.; GREBENNIKOVA, M.M., red.

[Outlook for introduction of some forage plants into
cultivation] Perspektivy vvedeniia v kul'turu nekotorykh
kormovykh rastenii. Novosibirsk, Izd-vo Sibirskogo otd-
niia AN SSSR, 1963. 96 p. (MIRA 17:5)

STAKAN, G.A.; SOSKIN, A.A.; MIKORO, Z.S., otv. red.; GREBENNIKOVA,
M.M., red.

[Heritability of economically useful indices in fine-wool
sheep] Nasleduemost' khoziaistvenno poleznykh priznakov u
tonkorunnykh ovets. Novosibirsk, Redaktsionno-izdatel'skiy
otdel Sibirskogo otd-niia AN SSSR, 1965. 158 p.

(MIRA 18:9)

KHALFIN, S.L. [deceased]; KHALFINA, S.L.; DOVGAL, V.N.; KHALFINA,
N.A.; GREBENNIKOVA, M.M., red.

[Petrology of the Kogtakh gabbro-monzonite-syenite complex
(Kuznetsk Alatau)] Petrologiia kogtakhsogo gabro-montsonit-
sienitovogo kompleksa (Kuznetskii Alatau). Novosibirsk,
Nauka, 1965. 90 p. (MIRA 18:12)

Grebennikova, N.G.

USSR/Soil Science. Mineral Fertilizers.

I-5

Abs Jour: Referat Zh-Biol., No 6, 25 March, 1957, 22527

Author : Grebennikova, N.G.

Inst :

Title : The Effect of Granulated Fertilizers on Growth and Development of the Root System and Aboveground Parts of *Poncirus trifoliata* Rafin.

Orig Pub: Nauch. tr. stud. Gruz. s.-kh. in-ta, 1955, 5, 221-226.

Abstract: A study was conducted on different methods of administering granulated superphosphate for trifoliata, which is a good stock for citrus plants. The experiment was conducted on an $N_{60}K_{40}$ background. The best results were obtained when doses of 60 kg/ hectare of $P_{2}O_5$ were used and when it was applied on 2 sides 3-4 cm lower than the seeds.

Card : 1/1

-37-

GREBENNIKOVA, N.P.; NOVIKOVA, N.M.

Cytological investigation of the liver of young and old rats during
a protein-free diet, subsequent normal nutrition, and regeneration.
Uch. zap KHGU 108:149-159 '60. (MIRA 14:3)

1. Kafedra biokhimi i Khar'kovskogo gosudarstvennogo universiteta.
(LIVER) (AGE) (MALNUTRITION)
(REGENERATION (BIOLOGY))

LI, A.F.; GREBENNIKOVA, O.T.; YASUS, N.S.

Microstructures of ilmenites and their practical value.
Zap.Vost.-Sib.otd.Vses.min. ob-va no.1:74-82 '59. (MIRA 14:7)

1. Irkutskiy Nauchno-issledovatel'skiy institut redkikh
metallov.

(Ilmenite)

LAGUNTSOV, I.N., kand.tekhn.nauk; GREBENNIKOVA, T.T., inzh.; KURNOSOVA,
N.D., tekhnik

Brittle breakdown of pipes in electric power plants with high-
pressure parameters. Elek. sta. 33 no.10:33-35 0 '62. (MIRA 16:1)
(Steampipes)

GREBENNIKOVA, V. S., NAYDICH, I. M., and DZHAMBANBAYEV, A. S.

"The Influence of the Heating Rate of Coal of the Process
of its Thermal Decomposition."

Report submitted for the Conference on Heat and Mass Transfer,
Minsk, BSSR, June 1961.

S/137/62/000/003/029/191
A006/A101

AUTHORS: Li, A. F., Grebennikova, O. T.

TITLE: Mineralogical investigation of technological samples of rare metal ores

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 3, 1962, 7, abstract 3G51
(V sb. "Issled. po obogashcheniyu o tekhnol. polezn. iskopayemykh",
Moscow, Gosgeoltekhizdat", 1961, 164-172)

TEXT: The authors analyze mineralogical studies of several Li, Be, Nb, Ta and Zr ore types, subjected to concentration in order to obtain conditional concentrates. The investigation methods are schematically explained. The basic tasks for the mineralogical investigation of the substantial composition of rare metal ores consist in studying the chemical composition; the quantitative mineralogical composition of the ore; textural and structural specific features of the ores; grain size of precious minerals and their accessory minerals; the form of appearance of precious basic and accessory elements and harmful inclusions; the nature and degree of changes in both individual minerals and the ore as a whole under the effect of hypogene and hypergene processes. A scheme for the

Card 1/2

Mineralogical investigation ...

S/137/62/000/003/029/191
A006/A101

mineralogical investigation of ores is given: The scheme shows that for the investigation of ores the following data should be available: 1) stepped samples; 2) an average sample of crushed ore and 3) concentration products. Schemes are presented for the mineralogical investigation of technological samples of some rare metal ores (spodumene-containing, beryl-containing, columbite-malaccon and loparite-eudialyte ores). The schemes may be modified depending on the substantial ore composition.

A. Shmeleva

[Abstracter's note: Complete translation]

Card 2/2

KONTOROVSKIY, A.L., kand.tekhn.nauk; GREBENNIKOVA, T.T., inzh.; KURNOSOVA, N.D.,
inzh.

Study of the properties of 12Kh2MFSR pipe steel. Teploenergetika 9
no.8:7-11 Ag '62. (MIRA 15:7)

1. Moskovskiy filial Vsesoyuznogo instituta po proyektirovaniyu
organizatsiy energeticheskogo stroitel'stva i Moskovskoye otdeleniye
TSentral'nogo koilyoturbinnogo instituta.
(Pipe, Steel) (Pipe)

GREBENNIKOVA, Ye. N.

Cooperative agriculture in China and state credits. Den. i kred.
14 no. 4:46-51 Ap '56. (MLRA 9:7)
(China--Agricultural credit)

GREBENNIKOVA, Ye. N.

Money and credit serves the building of socialism in China.
Den. i kred. 14 no.12:32-36 D '56. (MLRA 10:2)

(China--Banks and banking)

TSZEN LIN [TSŕng Ling]; KHAN' LEY [Han Lei]; GREBENNIKOVA, Ye M [translator];
NOVAK, L. [translator]; SVESHNIKOV, M.N., obshchly red.; LOGO-
VINSKAYA, R., red.; TELEGINA, T., tekhn.red.

[Currency circulation in the Chinese People's Republic] Denezhnoe
obrashchenie Kitaiskoi Narodnoi Respubliki. Vstup.stat'ia i ob-
shchaia red. M.N.Sveshnikova. Moskva, Gosfinizdat, 1959. 182 p.
(MIRA 12:12)

(China--Money)

WANG, YA-MAN; VESKOVA, R.G. [translator]; GREBENNIKOVA, Ye.N. [translator];
SAPONOVA, Z.M. [translator]

[Studies in the economic forms of semifeudal and semicolonial
China] Issledovanie ekonomicheskikh form polufeodal'nogo, polu-
kolonial'nogo Kitaa. Moskva, Sotsekgiz, 1959. 394 p.
Translated from the Chinese. (MIRA 13:7)
(China--Economic conditions)

BLUVSHTEYN, M.N.; BORICHEVA, V.N.; Primali uchastiye: MAKARYCHEVA,
S.I.; GREBENNIKOVA, Z.Ye.

Elastic and thermal properties of magnesite-chrome brick used
in the dome of an ~~open~~-hearth furnace and ~~artificially im-~~
pregnated with iron oxide. Ogneypory, 26 no.8:373-379 '61.
(MIRA 14:9)

1. Vsesoyuznyy institut ogneuporov.
(Magnesite) (Firebrick) (Open-hearth furnaces)

KELER, E.K.; BLUVSHTEYN, M.N.; BORICHEVA, V.N.; GREBENNIKOVA, Z.Ye.

New device and method of tensile testing refractories at
high temperatures. Ogneupory 28 no.7:312-317 '63.
(MIRA 16:9)

1. Vsesoyuznyy institut ogneuporov.

BLUVSHTEYN, M.N.; BORICHEVA, V.N.; Primali uchastiye: ALEKSEYEVA, A.N.;
GREBENNIKOVA, Z.Ye.; PETROVA, Ye.V.; ZADVORNOVA, Ye.G.; AYZENBERG, A.S.;
YAKOVLEVA, V.S.

Zonal changes in the properties of magnesite bricks after service
in the crown of open hearth furnaces. Ogneupory 28 no.9:413-418
'63. (MIRA 16:10)

1. Vsesoyuznyy institut ogneuporov.

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SOURCE: RZh. Khimiya, Abs. 21M35

AUTHOR: Keler, E. K.; Bluvshcheyn, M. N.; Boricheva, V. N.; Grebennikova, Z. Ye.

TITLE: New equipment and an improved procedure for tensile strength tests of refractory materials at high temperatures

CITED SOURCE: Tr. Vses. gos. in-ta nauchno-issled. i proyekt. rabot ogneuporn. prom-sti, vy*p. 34, 1963, 193-209

TOPIC TAGS: refractory material, refractory material tensile strength, tensile strength test, high temperature tensile strength, high temperature tensile strength tester

ABSTRACT: New and improved equipment was constructed and introduced to industrial practice, and a procedure was developed for high temperature tests (up to 1700C) of refractory materials for tensile strength. Experimental data were obtained on the tensile strength of fireclay, magnesite, magnesiochromite, Dinas brick and non-fired refractories. The curves from repeat experiments were noted to show good coincidence. Bibl. with 11 references. Authors' summary.

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ENCL: 00

KELER, E.K., doktor tekhn. nauk; BLUVSHTEYN, M.N., kand. tekhn. nauk; BORICHEVA,
V.N., kand. tekhn. nauk; GREBENNIKOVA, Z.Ye., inzh.

New equipment and improved methods of high temperature testing of the
tensile strength of refractories. Trudy Inst. ogneup. no.34:193-209 '63.
(MIRA 17:10)