

ZHUCHENKO, B.G., doktor med. nauk; NAUMENKO, V.I.

Clinical aspects of craniocerebral traumas with preponderant lesions in the chiasmatic diencephalic region. Trudy Inst. im. N.V. Sklif. 8:69-76 '63. (MIRA 18:6)

1. Institut neyrokhirurgii imeni akademika Burdenko AMN SSSR, Moskva.

NAUMENKO, V. M.

GROMOV, V. P. and NAUMENKO, V. M. (Voronezh Veterinary Station.) Paratyphoid epizootic among grown pigs.

So: Veterinariya; 24; 10; October 1947; uncl.
TABCON

NAUMENKO, V.M.

Labor safety in production of...
Bezop.truda v prod. 9 no.4 1934 Ap 195.

(M. 18-5)

1. Starshiy inzhener-fabrikant...
tekhn. beskov in tekhn. bezop.truda...
nogo komiteta...
vedeniyem robot v an...
... ..

NAUMENKO, V.P. (Leningrad)

Worker's school for health education. Fel'd. i akush. 26 no.12:
49-50 D '61. (MIRA 14:12)
(LENINGRAD PROVINCE—INDUSTRIAL HYGIENE)

NAUMENKO, V.P., Instruktor-metodist (Leningrad)

Organization of a "health education corner" in shops of industrial
plants. Fel'd. i akush. 27 no.9:18-20 S'62. (MIRA 16:8)
(HEALTH EDUCATION)

ZYATIN, N.A., inzh.; KULIKOV, A.A., kand. tekhn. nauk; NAUMENKO, V.S., inzh.

Controlling ice on streetcar rails. Ger. khoz. Mosk. 33 no.3:30-31
Mr '59. (MIRA 12:5)

(Street railways--Snow protection and removal)

GRYAZEV, Mikhail Ivanovich; SVETLOPOLYANSKIY, Vasilii Ivanovich;
MIKHEYEV, Nikolay Stepanovich; NAUMENKO, V.S., red.

[Repair of streetcar tracks; practice of the Volgograd
Street-Railroad Administration] Remont tramvaynykh putei;
iz opyta raboty Volgogradskogo TTU. Moskva, Izd-vo M-va
kommun.khoz.kSFSR, 1963. 36 p. (MIRA 17:10)

SOSYANTS, Vasilii Georgiyevich; BELILOVSKAYA, Kseniya Iosifovna;
NAUMENKO, Valentin Sergeevich; PROKHOROV, Aleksandr
Nikolayevich; LUCHAY, G.A., red.; RACHEVSKAYA, M.I.,
red.izd-va; SALAZKOV, M.P., tekhn. red.

[Over-all mechanization of labor consuming processes in
the construction and overhauling of streetcar tracks] Kom-
plektsiia mekhanizatsiia trudoemkikh protsessov pri
stroitel'stve i kapital'nom remonte tramvainykh putei. Mo-
skva, Izd-vo M-va kommun.khoz.RSFSR, 1963. 78 p.

(MIRA 16:8)

(Street railways--Track)

KULAGIN, Mikhail Ivanovich; LESEVITSKIY, Nikolay Nikolayevich;
NAUMENKO, Valentin Sergeevich; OVECHNIKOV, Yevgeniy
Vasil'yevich, kand. tekhn. nauk; SOBYANTS, V.G., red.;
TIKHONOVA, I.A., red. izd-va; LELYUKHIN, A.A., tekhn. red.

[Rail corrugation] Volnoobraznyi iznos rel'sov. Pod red.
E.V.Ovechnikova. Moskva, Izd-vo kommun.khoz.RSFSR, 1963.
177 p. (MIRA 16:11)

(Railroads--Rails)

BELILOVSKAYA, K. I., kand. tekhn. nauk; NAUMENKO, V. S., inzh.

Comprehensive mechanization of the operations in laying
streetcar tracks and making major repairs on them. Nov.
tekh. zhil.-kom.khoz.:Gor.dor.-most.khoz. 1 transp. no. 2:
64-78 '63. (MIRA 17:5)

NAUMENKO, Valentin Sergeyevič; SOBYANTS, V. G., red.

[Repair and maintenance of the tracks of street railways]
remont i soderzhanie tramvaynogo puti. Moskva, Siroi-
izdat, 1964. 187 p. (S. 17:9)

DUBROVIN, Yevgeniy Nikolayevich; TURCHIKHIN, Emmanuil Yakovlevich
Prinimal uchastiye NAUMENKO, V.S., kand. tekhn. nauk;
NIKOLAYEVA, N.M., red.

[Prestressed reinforced concrete in the construction of
city streets] Predvaritel'no-napriazhennyi zhelezobeton v
stroitel'stve gorodskikh dorog. Moskva, Stroiizdat, 1965.
302 p. (MIRA 18:12)

NAUMOV, V. I.

Some problems of the genesis of apatite deposits in connection
with the state of the effective porosity of carbonate rocks
containing crin. *Tr. AN SSSR* no. 3:368-371, 1961.

... Institute of Geology, Academy of Sciences of the USSR.

NAUMENKO, V. V.

55

PHASE I BOOK EXPLOITATION SOV/6012

Akademiya nauk SSSR. Institut avtomatiki i telemekhaniki.

Avtomaticheskoye regulirovaniye i upravleniye (Automatic Regulation and Control) Moscow, Izd-vo AN SSSR, 1962. 526 p. Errata slip inserted. 9000 copies printed.

Resp. Ed.: Ya. Z. Tsypkin, Professor, Doctor of Technical Sciences; Ed. of Publishing House: Ye. M. Grigor'yev; Tech. Ed.: I. M. Dorokhina.

PURPOSE: This book is intended for scientific research workers and engineers concerned with automation.

COVERAGE: The book is a collection of articles consisting of papers delivered at the 7th Conference of Junior Scientists of the Institute of Automation and Telemechanics, Academy of Sciences USSR, held in March 1960. A wide range of scientific and technical questions relating to automatic regulation and control is covered.

Card 1/12

Automatic Regulation (Cont.)

807/6012

The articles are organized in seven sections, including automatic control systems, automatic process control, computing and decision-making devices, automation components and devices, statistical methods in automation, theory of relay circuits and finite automatic systems, and automated electric drives. No personalities are mentioned. References are given at the end of each article.

TABLE OF CONTENTS:

PART I. AUTOMATIC CONTROL SYSTEMS

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| Andreychikov, B. I. The effect of dry friction and slippage [play] on error during reverse gear operation of servo-feed systems | 3 |
| Andreychikov, B. I. Dynamic accuracy of machine tools with programmed control | 14 |

Card 2/12

Automatic Regulation (Cont.)

SOV/6012

Vorzheva, V. V. Obtaining partial minimal forms of Boolean functions for avoiding race conditions in switching networks 437

Didenko, V. P. Minimization and construction methods for bridge structures in relay systems 444

Kazakov, V. D., and V. V. Naumenko. The realization of Boolean functions and variables in contactless logical switching circuits by the additional determination method 461

Kazakov, V. D. The form of minimal expressions of symmetrical Boolean functions of an arbitrary number of variables 468

PART VII. AUTOMATED ELECTRIC DRIVE

Vershinin, N. D. Application of the invariance principle in stabilizing the speed of d-c motors 474

Card 11/12

NAUMENKO, V.V.

Distribution of trace elements in terrigenous sedimentary
rocks. Dop. AN URSR no.3:355-357 '64. (MIRA 17:5)

1. Institut geologicheskikh nauk AN UkrSSR. Predstavleno
akademikom AN UkrSSR V.G. Bondarchukom [Bondarchuk, V.H.].

NAUMENKO, V. V.: Master Biol Sci (diss) -- "Orientational conditioned motor-food and defense reflexes in pigs during ontogenesis". Kiev, 1957. 16 pp (Min Agric Ukr SSR, Ukr Acad Agric Sci), 100 copies (KL, No 5, 1959, 147)

USSR / Human and Animal Physiology. Nervous System.

T-10

Abs Jour : Ref Zhur - Biologiya, No 1, 1959, No. 3881

Author : Naumenko, V. Ya.

Inst : Kiev Veterinary Institute

Title : Pertaining to Conditioned Reflexes in Swine

Orig Pub : Tr. Kievsk. vet. in-t, 1957, 13, 105-111

Abstract : No abstract given

Card 1/1

98

NAUMENKO, V.V.

Orientation reflexes in swine in ontogenesis. *Fisiol.shur.* 46 no.8:
981-983 Ag '60. (MIRA 13:8)

1. From the Ukrainian Academy of Agricultural Sciences, Kiev.
(REFLEXES) (SWINE—PHYSIOLOGY)

NAUMENKO, V.V.

Distribution of chemical elements in limestones. Geol. zhur.
25 no.2:77-80 '65. (MIRA 18:6)

1. Institut geologicheskikh nauk AN UkrSSR.

NAUMOV, S.M.; NAUMENKO, V.Ya.; KRAVCHUK, A.N.

Effect of planting time on the grain yield of corn. Sbor. nauch.
rab. Bel. otd. VBO no.3:210-212 '61. (MIRA 14:12)
(Brest Province--Corn (Maize))
(Planting time)

YAKUBOV, R.D.; AZERBAYEV, I.N.; ATAVIN, A.S.; TROFIMOV, B.A.; NAUMENKO, V.
Ye.

Hydration of acetylene by vinyl esters of ethylene and diethylene
glycols. Vest. AN Kazakh. SSR 19 no.7:21-31 J1 '63. (MIRA 17:2)

NAUMENKO, Yadviga [Navumenka, IAdviha]

The 40th anniversary of our university. Rab.1 sial. 37 no.12:
8-9 D '61.

(MIRA 15:2)

(Minsk University)

NAUMENKO, Ye. D.

PA 19715

USSR/Radio Waves - SHF
Oscillators, Electric

Jan/Jul 1976

"Measuring the Power of Oscillators in the Decimeter and Centimeter Wave Bands,"
Engrs M. I. Karpovskiy, S. Ye. Teskin, Ye. D. Naumenko, 8pp

"Radiotekhnika" Vol I, No 3/4

The load on an oscillator is the wave impedance of a line with a propagating wave, reduced by an impedance transformer to a certain magnitude. The power is measured over a section of the line with propagating voltage wave. A design for an impedance transformer is suggested.

NAUMENKO, Ye. D., redaktor; SHORIN, N.A., redaktor; KORUZEV, N.H., tekhnicheskiy redaktor.

[Reflex klystrons. Translated from the English] Otrazhatel'nye klistrony. Perevod s angliiskogo. Moskva, Izd-vo "Sovetskoe radio," 1954. 251 p. (MLBA 8:2)
(Amplifiers, Electron-tube)

NAUMENKO, Ye. [D]

"Microwave Amplifiers and Oscillators," published in the periodical, radio, No. 5, of 40-45, 1955.

The value of this report is felt to reside in the comparative presentation of Klystron and traveling-wave tubes.

Summary D-287692, 9 Aug 1955.

Handwritten: НАУМОВ, Ye.

USSR/ Electronics - Radio tubes

Card 1/1 **Pub.** 89 - 16/24

Authors : **Naumenko, Ye.**

Title : **Travelling wave tube**

Periodical : **Radio 5, 35 - 41, May 1955**

Abstract : Several types of travelling-wave tubes and their functions are described. It is shown that sufficiently effective amplification can be obtained if the electron stream and the field of the travelling wave are forced to interact. Since the rate of wave propagation in the electron stream is determined by the rate of motion of the electrons and the latter is limited by anode voltages the electromagnetic systems with travelling wave tubes should retard the rate of wave propagation in comparison with conventional lines or wave guides. Other advantages of the travelling wave tube are described. One USSR reference (1955). Drawings.

Institution :

Submitted : *Summary of article - D-306414.28 sub 15*

MAUMENKO, Ye., kandidat tekhnicheskikh nauk

Feedback wave tube. Radio no.11:52-54 N'55. (MLRA 9:1)
(Electron tubes)

NAUMENKO, Ye. D.

"Wide-Tuning-Range Millimeter-Wave-Reflex-Klystron Oscillators," a paper
presented at the International Conference on Microwave Tubes, Paris,
29 May-2Jun 1956

B-99309, 30 Aug 56

SUBJECT USSR / PHYSICS CARD 1 / 2 PA - 1530
AUTHOR Author not mentioned.
TITLE The Scientific All Union Session (held in connection with
"Broadcasting Day").
PERIODICAL Radiotekhnika, 11, fasc. 9, 74-79 (1956)
Issued: 19.10.1956

Z.S. ČERNOV delivered a report concerning the results obtained on the occasion of the investigation of spiratrons, which are new tube-type devices with propagating waves and electrostatic focussing of electron currents.

E.D. NAUMENKO spoke about the results obtained by the working out of laboratory models of reflecting klystrons for measuring purposes.

V.A. KLJAZKIN discussed the compensation method of coping with impulse disturbances in a wireless set. He also described ways and means for the practically complete elimination of impulse disturbance by compensation methods.

B.I. RASSADIN pointed out the experimentally confirmed advantages of a signal transmission in a frequency band in four-channel systems in radio telephone- and telegraph communication. He recommended a method by means of which nonlinear distortion can be considerably diminished.

A.P. ANGAFOROV demonstrated two basic principles of construction as well as the construction of television tubes for the production of a direct representation of the image: A three-ray tube with a darkening mask and a mosaic-pattern

NAUMENKO, Ye. D

109-5-12/22

AUTHOR NAUMENKO, Ye.D.
TITLE Wide-Range Reflecting Klystrons of Millimeter Waves
(Shirokodiapazonnyye otrazhatel'nyye klistrony millimetrovykh voln.
Russian)
PERIODICAL Radiotekhnika i Elektronika, 1957, Vol 2, Nr 5, pp 618-621 (U.S.S.R.)
ABSTRACT Results are given on the development of reflecting klystrons with internal-vacuum resonators in the form of sections of a coaxial line. The selection of such a construction is original indeed, but it causes serious radiotechnical and technological difficulties. Models of tubes were worked out by means of which it is possible to cover the 7 - 19 mm wave range with an output power of 5 mW by two subtypes. Both subtypes are very similar in construction and method of production. That which overlaps the 7 - 11 mm range is described here. From the given diagram the advantage of this construction may be seen: 1.) The range-overlap coefficient is 1,7 in the case of a small modification of the output power. 2.) The diagram for tuning is almost linear. 3.) In the case of a small modification of tuning a comparatively great mechanical shift of the tuning element is required, which increases the accuracy of mechanical tuning and facilitates the requirements for precise tuning. Life is for the most part determined by the cathode and exceeds than 100 hours. The kly-

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109-5-12/22

Wide-Range Reflecting Klystrons of Millimeter Waves

strons can stand at least thousand mechanical transpositions. Serious difficulties arise by the fact that hitherto no satisfactory theory and calculation has been given. The existing calculated and experimental data show substantial differences as compared to those obtained from the "classical theory" of reflecting klystrons. The comparatively complicated method of production is a disadvantage of this construction. (6 illustrations).

| | |
|--------------|---------------------|
| ASSOCIATION | Not given |
| PRESENTED BY | |
| SUBMITTED | 30.7.1956 |
| AVAILABLE | Library of Congress |

Card 2/2

Чайменко, Ye. O.

SOV/142-58-4-14/30

AUTHOR: Voskresenskiy G. I., Granovskiy, K. A., Leidufin, L. N.,
Shumenko, Ye. O., Trunova, N. V.

TITLE: A Delay System of Periodic Structure with Non-Contact
Plates (Zamedlyayushchaya sistema periodicheskoy
struktury s kontaktnymi platinami)

PERIODICAL: Investiya vysshikh uchebnykh zavedeniy - Radiotekhnika,
1958, Nr 4, pp 480-483 (USSR)

ABSTRACT: The paper discusses a delay system consisting of two
rooms of symmetrically placed plates which have no
contact with the walls arranged in the form of a right-
angled waveguide. This system is intended for a
signal delay tube with additional acceleration of
the electrons by the system's dispersion in the
space. The effects of the system's dispersion on its
dynamic characteristics are analyzed and a method of
"cold" measurement of their dispersion curves described.
Experimental dispersion curves for some models of the
system are adduced. As theoretical analysis of the

Card 1/3

electrodinamic parameters is complicated by
the electrical conductivity, special attention is
paid to the experimental investigation of this system.
For all the models studied - change in retardation
from 4 to 7 corresponds to a relative frequency band
of 10% - 15% and a displacement of the nodal plane of
roughly 10% from the total height of the plate. The
impedance at the axis in this detuning
interval is 10 - 30 ohm. Maximum coupling
is relatively small and goes down as
Maximum possible retardation (γ_{max}) in the system
is determined by the general formula:

$$\gamma_{max} = \frac{1}{2} \sqrt{\frac{2}{\epsilon}}$$

The resonance method was used to measure the relative
retardation. The measuring method is accurately
described. The results of the experiment are
as well as the results of experimental calculation.
The frequency band, corresponding to the variation in
retardation from 4 to 7, is of the same order of magni-
tude as in corresponding three channel systems.

Card 2/3

ASSOCIATION: Kafedra Radiofizicheskikh ustroystv Moskorskogo
ordena Lenina aviatsionnogo instituta imeni Sergho
Ordzhonikidze Otdel'noy aviatsonnoy institutskoy
skol'nykh aviatsonnoy institutskoy
Sergo Ordzhonikidze

SUBMITTED: March 17, 1958

Card 3/3

SOV/142-58-5-7/23

9(3)

AUTHORS: Voskresenskiy, D.I., Granovskaya, R.A., Deryugin, L.N., Naumenko, Ye.D., and Trunova, N.V.

TITLE: Measuring of Coupling Resistances of a Retardation System with Non-Contacting Plates

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, radiotekhnika, 1958, Nr 5, pp 565-572 (USSR)

ABSTRACT: The authors describe methods to determine coupling resistances of a periodic retardation system with non-contacting plates. For measuring, the method of "absorbing switching-in" is used, which measures the change of durability of the resonance dummy with a retarding system. It starts with bringing a small absorbing element into the resonator (Fig.1). By experiments, it was found, that the presence of four metal tie plates, arranged symmetrically within the knots of an electric field (Fig.5 and 6), did not change the characteristics of the system. Neither did displacing the tie plates from the knots over a distance of ± 15 mm lead to a considerable change of characteristics. The article is recommended by

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SOV/142-58-5-7/23

Measuring of Coupling Resistances of a Retardation System with Non-Contacting Plates

the Kafedra radiopredayushchikh ustroystv Moskovskogo ordena Lenina aviatsionnogo instituta imeni Sergo Ordzhonikidze (Chair of Radio Transmission Devices at Moscow Institute for Aviation imeni Sergo Ordzhonikidze of the Order of Lenin). There are 3 figures, 3 graphs, 10 equations and 4 references, 1 of which is Soviet, 2 English and 1 German.

SUBMITTED: March 17, 1958

Card 2/2

NAUMENKO

Ye D.

В. А. Попов
Устройство радиолокационной системы автоматического управления полетом

10 страниц
(с 16 до 22 часов)

Д. И. Виноградовский,
Р. А. Гринвальд
Защитные системы в радиолокационной системе для ЦСВ

С. Г. Каминский
Отклоненная система с безупречной работой

В. И. Кобин,
В. И. Галкин,
В. И. Емельянов,
В. И. Мухоморов
Исследования электрических связей в пространстве автоматического управления СВЧ с помощью автомата для построения траекторной заданной части

Г. А. Мухоморов,
С. В. Мухоморов
Устройство СВЧ-канала фильтра для системы с безупречной работой радиолокационной системы

26

11 страниц
(с 10 до 16 часов)

Система управления с помощью ферритных устройств СВЧ

В. И. Судин, В. С. Мухоморов
Исследования влияния теории автоматического управления

В. И. Галкин
К теории ферритных устройств

В. И. Галкин,
В. Т. Дарин,
В. В. Карачинский
Экспериментальные исследования ферритных устройств

А. Д. Мухоморов,
В. И. Мухоморов
Исследования результатов исследования ферритных устройств

А. С. Тарп
К теории автоматического управления с помощью СВЧ-устройств

25

report submitted for the Centennial Meeting of the Scientific Technological Society of Radio Engineering and Electrical Communications in A. S. Popov (VSEIET), Moscow, 6-12 June, 1959

Country : USSR K
Category: Forestry Forest Cultures
Abs Jour: RZhBiol No 12, 1958, No 53495
Author : Yen'kova, Ye. I.; Naumenko, Ye. N.;
Inst : -
Title : From the Forest Culture Practice of the Kokchetavskaya Oblast
Orig Pub: Lesn. Kh-vo, 1957, No 9, 50-56

Abstract: Studies of the structure of the 14-16 year-old cultures of the Martau and Borov Leskhozos (Northern Kazakhstan) established that the following species are biologically durable, and form closed productive stands: Siberian larch, common pine and the European white birch. They are recommended.

Card : 1/2

NAUMENKO, Ye.N.

Extra-thread guides on two-system automatic circular hosiery
machines. Obm.tekh.opyt. [MLP] no.36:14 '56. (MIRA 11:11)
(Knitting machines)

NAUMENKO, Ye.N.

Electric drawing-up of the carriage of an automatic circular
hosiery figured-weave knitting machine. Obm.tekh.opyt. [MLP]
no.36:14 '56. (MIRA 11:11)
(Knitting machines--Electric driving)

NAUMENKO, Ye.N.

Replacing weights by platelets for stretching socks. Obm.tekh.opyt.
[MLP] no.36:19-20 '56. (MIRA 11:11)
(Knitting, Machine) (Hosiery)

MAUMENKO, Ye.M.

Additional reinforcement of lastex machine mantles. Obm.tekh.opyt.
[MLP] no.36:29 '56. (MIRA 11:11)
(Knitting machines)

VOYTKEVICH, A.A.; NAUMENKO, Ye.V.

Qualitative modification of the beginning gonadotropic activity in the human hypophysis during ontogenic stages. Dokl. AN SSSR 93 no.6:1139-1142 D '53. (MLRA 6:12)

1. Kazakhskiy meditsinskiy institut im. V.M.Molotova, Alma-Ata.
Predstavleno akademikom A.I.Abrikoscova.

(Pituitary body)

USSR/Human and Animal Physiology- (Normal and Pathological). I
Internal Secretion. Pancreas.

Abs Jour : Ref Zhur Biol., No 4, 1959, 17726

Author : Naumenko, Ya.V.

Inst : Karaganda Medical Institute

Title : On the Condition of Islands of Langerhans after Recovery
from Experimental Dithizone Diabetes.

Orig Pub : Tr. Karagandinsk, med. in-ta, 1957, 1, No 1, 22-25

Abstract : In normal rabbits, the relationship of betha/alpha
cells in the islands of Langerhans is 6.49; in dithizone
diabetes (100 mg/kg of dithizone), the number of the
islands is decreased; the relationship is 0.7 and is
3.41 10-123 days after the spontaneous disappearance of
diabetes.

Card 1/1

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NAUMENKO, Ye.V. (Karaganda)

Experimental dithizone diabetes [with summary in English]. Pat.
fiziol. i eksp.terap. 1 no.4:26-32 J1-Ag '57. (MIRA 10:11)

1. Iz kafedry patologicheskoy fiziologii (zav. - prof. Ya.A.Lezaris)
Kragandinskogo meditsinskogo instituta.
(DIABETES MELITUS, experimental,
dithizone (Rus))

NAUMENKO, Ye. V., Cand Med Sci -- (diss) "Experimental Dithiosalicylic Diabetes."
Karaganda, 1958; 22 pages (Karaganda State Medical Institute); 150 copies, price
not given. (KL, 19-60, 138)

NAUMENKO, Ye.V.

Effect of piridrol on the hypophyseal-adrenal system. Izv. SO
AN SSSR no.12. Ser. biol.-med. nauk no.3:133-140 '63.

(MIRA 17:4)

1. Otdel eksperimental'noy biologii Instituta tsitologii i genetiki
Sibirskogo otdeleniya AN SSSR, Novosibirsk.

NAUMENKO, Ye.V.; POPOVA, N.K.

Effect of hydrazine derivatives on the adrenal cortex function.

Izv. SO AN SSSR no.8. Ser.biol.-med.nauk no.2:135-138 '65.

(MIRA 12:9)

1. Otdel eksperimental'noy biologii Instituta tsitologii i
genetiki Sibirskogo otdeleniya AN SSSR, Novosibirsk.

L 15745-66 EWT(1) RO

ACC NR: AP5024180

SOURCE CODE: UR/0290/65/000/002/0169/0171

AUTHOR: Naumenko, Ye. V.; Nesterenko, L. N.

30
B

ORG: Experimental Biology Section, Institute of Cytology and Genetics, Siberian Department AN SSSR, Novosibirsk (Otdel eksperimental'noy biologii Instituta tsitologii i genetiki Sibirskogo otdeleniya AN SSSR)

TITLE: Adrenocortical function and blood and brain cholinesterase activity after the administration of nivalin

144, 51

SOURCE: AN SSSR. Sibirskoye otdeleniye. Izvestiya. Seriya biologo-meditsinskikh nauk, no. 2, 1965, 169-171

TOPIC TAGS: physiology, brain, blood, enzyme, acetylcholine, nervous system drug, pituitary, corticosteroid

ABSTRACT: Experiments on guinea pigs injected with the anticholinesterase agent nivalin revealed a direct proportional relationship between the dose injected and the blood corticosteroid level: a two- and fourfold increase in nivalin caused a two- and fourfold increase in 17-oxycorticosteroid content of the blood. On the

Card 1/2

UDC: 615.74 + 615.78 + 615.45

2

L 15745-66

ACC NR: AP5024180

other hand, no such relationship was noted between the dose of nivalin and the degree of inhibition of brain cholinesterase activity; 2.5, 5, and 10 mg/kg doses reduced this activity 1.4, 1.7, and 2 times, respectively, below the original level. While the 2.5 mg/kg dose sharply reduced blood cholinesterase activity to approximately one-fourth the original level, larger doses had no significant effect. The author concludes that nivalin has both an anticholinesterase effect on the adrenal cortex and, to some extent, a cholinomimetic effect. Orig. art. has: 1 table, 1 figure.

SUB CODE: 06/

SUBM DATE: 08May64/

ORIG REF: 004/

OTH REF: 006

Card 2/2 Mc.

NAUMENKO, Ye.V.

Participation of cholinergic structures in controlling the function of the adrenergic system. Probl. endok. i gorm. 11 no.4:99-104 31-Ag '65. (MIRA 12:11)

1. Laboratoriya farmakologii (zav.- doktor med. nauk R.Yu. Il'yuchenok) otdela eksperimental'noy biologii Instituta tsitologii i genetiki (dir.- chlen-korrespondent AN SSSR D.K. Belyayev) Sibirskogo otdeleniya AN SSSR, Novosibirsk.

NAUMOV, Ye.V.; ALEKSEYEV, R.Yu.; NESTERENKO, I.N.

Effect of thyroxine on the hypothalamic-adrenal axis. *Endokrinol. i ginekologiya* 1965, 1: 10-12. MED '65.

1. Ispytaniya farmakologii (zav. - d. med. nauch. k. I. Nesterenko).
Vliyeniye tiroidnaya eksperimental'noy hipofizy na funktsionirovaniye
Indikatora gipofizy i genetiky Sibirskoy gos. univ. Novosibirsk.
Novosibirsk.

VALENTINI, I.A., kand. tekhn. nauk; DERLYATKA, T.I., inzh.; NAUMENKO, Yu.G.
inzh.; SHISHORINA, G.I., inzh.

Destruction of the Kugart Dam and its analysis. Gidr. i mel. 13
no.9:54-71 S '61. (MIRA 14:9)
(Kugart River--Dams)

KHONDKARIAN, O.A.; KHVAN, L.M.; SEREBRYAKOVA, N.I.; NAUMENKO, Yu.I.;
RUDENSKIY, Ye.G.

Postvaccinal lesions of the nervous system. Zhur.nevr.i psikh. 61
no.3:359-367 '61. (MIRA 14:7)

1. Institut nevrologii (dir. - prof. N.V. Kononov) AMN SSSR i 1-ya
klinicheskaya infektsionnaya bol'nitsa (glavnyy vrach N.G. Zaleskver),
Moskva.

(SMALLPOX)

(ENCEPHALITIS)

(NERVOUS SYSTEM—DISEASES)

POPOVA, L.M.; LOBAN, K.M.; DUBROVSKAYA, V.F.; NAUMENKO, Yu.I. (Moskva)

Use of curarelike preparations in combination with endotracheal respiration in severe forms of tetanus. Klin.med. no.3:75-80 '62. (MIRA 15:3)

1. Iz otdeleniya neyroinfektsiy (zav. - prof. A.A. Khondkarian) Instituta nevrologii AMN SSSR (dir. - prof. N.V. Konovalov) na baze 1-y klinicheskoy infektsionnoy bol'nitsy (glavnyy vrach N.G. Zeleskver), kafedry infektsionnykh bolezney (zav. - prof. A.F. Bilibin) II Moskovskogo meditsinskogo instituta.
(TETANUS) (ARTIFICIAL RESPIRATION)
(CURARELIKE SUBSTANCES)

NAUMENKO, Yu.I.; MARTYNIENKO, I.N.

Bioelectric activity of muscles in tetanus patients. Zhur. nevr.
i psikh. 64 no.9:1310-1315 '64. (MIRA 17:12)

1. Institut neftologii (direktor - prof. N.V. Konovalov)
AMN SSSR i Institut poliomyelita i virusnykh entsefalitov
(direktor - prof. M.P. Chumakov), Moskva.

HAUMLNKO, Yu.I.

Disorders of the muscular tone in acute serous meningitis;
clinical electromyographic study. *Jour. neur. i psikh.* no.
no.4:540-546 1965. (MIRA 18 5)

1. institut nevrologii i direktor - prof. N.V. Kononov, AMN
SSSR, Moskva.

KOBELEV, F.S., inzh.; NAUMENKO, Yu.M., inzh.

Measurement of vacuum in a pumpless mercury-arc rectifier.
Vest. elektroprom. 33 no.11:58-60 N '62. (MIRA 15:11)
(Mercury-arc rectifiers)

KOBELEV, F.S., inzh.; HAUMENKO, Yu.M., inzh.; RUBCHINSKIY, A.V., kand.
tekhn. nauk

Errors of the Mak-Leod system pressure gauge. Elektrotehnika
36 no.8:56-57 Ag '64. (MIRA 17:9)

KOBELEV, F.S., inzh.; NAUMENKO, Yu.M., inzh.

Absorption of an inert gas in gas-filled mercury rectifiers.
Elektrotehnika 35 no.2:41-42 F '64. (MIRA 17:3)

KOROVYAKOVSKIY, I.G., inzh.; SIRENKO, N.I., inzh.; NAUMENKO, Yu.N., inzh.

A hammer in the capacity of a transducer. Prom. energ. 19 no.8:
20-22 Ag '64. (MIRA 17:11,

KLYUSHIN, G.V., kand. tekhn. nauk; NAUMENKO, Yu.N.; NUZHNYI, V.G.

Heavy duty operation of the electric drives of cranes in
metallurgical plants. Energ. i elektrotekh. prom. no.2:70-71
Ap-Je '63. (MIRA 16:7)

1. Zaporozhskiy mashinostroitel'nyy institut.
(Metallurgical plants—Electric equipment)
(Electric cranes)

NOVIKOV, Yu.N., kand. tekhn. nauk; KLYUSHIN, G.V., kand. tekhn. nauk;
SAUMENKO, Yu.N., inzh.

Tongs for measuring large currents. Prom. energ. 18 no.3:
16-18 Mr '63. (MIRA 16r6)

(Electric measurements)
(Electric current—Measurement)

NOVIKOV, Yuriy Nikolayevich, kand.tekhn.nauk, ispolnyayushchiy obyazannosti dotsenta; NAUMENKO, Yuriy Nikolayevich, starshiy prepodavatel'

Measurement of reactive power in single-phase circuits with large currents. Izv. vys. ucheb. zav.; elektromekh. 6 no.11:1263-1264 '63. (MIRA 17:4)

1. Kafedra elektricheskikh mashin i apparatov Zaporozhskogo mashinostroitel'nogo instituta.

KAUMENKO, Yu.N., inzh.; SIRENKO, N.I., inzh.

Special operating features of the electric drive for moving the
manipulator of a free forge. Vest. **elektroprom.** 34 no. 8:16-19
Ag '63. (IPA 16:9)

(Forging)

KLIVCHIN, G.V.; MOSHKOVICH, Ye.I.; NAUMENKO, Yu.N.; ...

Operation of a large-capacity, coreless, induction furnace.
Metallurg 9 no.12:23-25 D '64.

I. Zavod "Dnepropetsstal" i Zaporozhskiy mashinostroyeniyye
institut.

NERENKO, N.I., inzh.; NACHENKO, Yu.N., inzh.

Lightened operation of round load-lifting electromagnets.
From: energ. 19 no. 2:1981 F 164. (MIRA 17:5)

NOVIKOV, Yu.N., kand. tekhn. nauk; NAUMENKO, Yu.N., inzh.: AY, U.S., 1978.

Inductance of the short networks of silicon carbide diodes.
Prom. energ. 19 no.12:11-14 1978.

NUZHNYI, V.G.; NAUMENKO, Yu.N.; NEVIKOV, Yu.N.

Electromagnetic brakes are operating with more reliability.
Metallurg 10 no.8:41 Ag '65. (MIRA 12:3)

1. Zavod "Dnepropetsstal" i Zaporozhskiy mashinostroitel'nyy
institut.

ACCESSION NR: AP5006817

S/0144/65/000/001/0102/0104

AUTHOR: Novikov, Yu. N. (Candidate of technical sciences, Acting docent of electrical machines and apparatus department); ~~Naumenko, Yu. N.~~ (Senior lecturer of electrical machines and apparatus department)

TITLE: Calculation of current transformers with rectangular air cores

SOURCE: IVUZ. Elektromekhanika, no. 1, 1965, 102-104

TOPIC TAGS: current transformer, air core transformer

ABSTRACT: Yu. N. Katargin's method of calculating rectangular air-core current transformers (Vestnik elektropromyshlennosti, 1959, no. 9) assumes that the primary conductor is infinitely thin. In reality, a heavy-current primary conductor may have a very considerable cross-section. The present short article offers exact calculation formulas and finds that the results of these calculations differ by only 0.86--2.36% from those obtained by using Katargin's approximate

Card 1/2

ACCESSION NR: AP5006817

formula (depending on the primary-conductor shape and for 20 ka). Orig. art.
has 1 figure, 10 formulas, and 1 table.

ASSOCIATION: Zaporozhsky mashinostroitel'nyy institut (Zaporozh'ye
Machine-Building Institut.)

SUBMITTED: 02Jan63

ENCL: 00

SUB CODE: EE

NO REF SOV: 001

OTHER: 000

Card 2/2

L2686

S/747/62/000/000/007/025
D268/D307

27 29
AUTHORS: Kerkis, Ya. Ya., Ronichevskaya, G. M., Rukavishnikov, Yu. M., Naumenko, Yu. N.

TITLE: Genetic radiosensitivity of sexual and somatic cells in different mammalian species

SOURCE: Radiatsionnaya genetika; sbornik rabot. Otd. biol. nauk AN SSSR. Moscow, Izd-vo AN SSSR, 1962, 91-96

TEXT: Results are presented of studies of disturbances in the nuclear apparatus, germinal epithelium at the spermatocyte stage of the 1st order, and in cerebral hemopoetic cells in guinea pigs, rats, mice and rabbits, taking the rate of chromosome reorganization as shown morphologically by the development of bridges and fragments in the ana- and telophases during mitosis and meiosis as criteria of the injurious effect of small doses of irradiation. Young sexually mature male animals were irradiated with x rays at an initial dose of 4 r, the testes were removed at 1, 3 and 6 days after irradiation, and the brain was extracted after 24 hours. At

Card 1/2

Genetic radiosensitivity of ...

5/747, 00/000/000/007/025
0255/0007

4 r in spermatocytes and cerebral hemopoietic cells in guinea pig there were 10 and 2-fold increases in the chromosome reorganization rate respectively, and in rat 2.5 and 2-fold respectively. The respective increases in mice occurred at 10 and 25 r. In rabbit there was possibly some increase for spermatocytes at 25 and 100 r, with an over 2-fold increase at 100, and a 3-fold increase at 200 r, for cerebral hemopoietic cells. These marked differences established in the radiosensitivity of the chromosome apparatus in different mammalian species are significant in relation to the possible effect of the genotype and the physiological condition of the body or individual organs on radiosensitivity in general and especially in relation to small doses. There is 1 table.

ASSOCIATION: Institut cytologii i genetiki SO AN SSSR, Novosibirsk (Institute of Cytology and Genetics, Siberian Branch, AS SSSR, Novosibirsk)

Card 2/2

42688

3/747/62/000/000/000/025
3268/1307

2/1229

AUTHORS: Kirzis, Yu. Ya., Ronichevskaya, G. M. and Naumenko, Yu. A.

TITLE: The effect of the body genotype on the sensitivity of the nuclear apparatus to small doses of ionizing radiation

SOURCE: Radiatsionnaya genetika; sbornik rabot. Otd. biolog. nauk AN SSSR. Moscow, Izd-vo AN SSSR, 1962, 110-114

ABST: Radiosensitivity of the chromosome apparatus was studied in cerebellar hemopoietic cells in 7 young male albino and 5 colored guinea pigs irradiated with x rays at 0.5 r. The x ray source was directed vertically to the back, 2 albinos and 2 colored animals being treated together. The rate of chromosome reorganization at 0.5 r showed a 2.7-fold increase in albinos and a 1.3 increase in the colored animals. Calculated for 1 r the figures were 10 and 2 respectively, showing the sensitivity of the chromosome apparatus of cerebellar cells in albinos in this experiment to be 5 times higher than that in colored animals. From these results, combined with a survey of literary data, it is concluded that the difference in sensitivity to ionizing radiations of hereditary structures in
card 1/2

The effect of the ...

0/147/02,000/000/000/025
0200/000'

different species and their depends mainly on fine molecular structures and their biochemical characteristics, and not on the general mass of chromosomes (DNA) alone. There are 2 tables.

ASSOCIATION: Institute Cytology i Genetics SO AN USSR, Novosibirsk (Institute of Cytology and Genetics, Siberian branch, AN USSR, Novosibirsk)

Сам 2/2

ACCESSION NR: AP4027970

s/0205/64/004/002/0221/0225

AUTHOR: Kerkis, Yu. Ya.; Naumenko, Yu. N.

TITLE: Radioprotective action of beta-aminoethylisothiuron Br. HBr (AET) on hereditary structures of various mammal tissues

SOURCE: Radiobiologiya, v. 4, no. 2, 1964, 221-225

TOPIC TAGS: tissue hereditary structure, radioprotective action, beta-aminoethylisothiuron (AET), X-irradiation, bone marrow cell, corneal epithelial cell, spermatocyte, chromosome rearrangement, AET effectiveness

ABSTRACT: AET radioprotective action was investigated in bone marrow cells, corneal epithelial cells, and spermatocytes of mice in four experimental series. AET (3, 5, and 10 mg/2 ml distilled water) was introduced intraperitoneally into groups of brown male mice 10 to 15 min before X-irradiation (URD-110 unit, 80 kv, 4 ma, filter 0.5 Al, focal length 80 cm, 4 r/min) with single 25, 50, 100 or 200 r doses. Animals were killed 24 hrs after irradiation and material from eyes, femur and tibia marrow, and testis was taken for cytological investi-

Card 1/2

KALININ, V.I., prof., doktor fiziko-matem. nauk [deceased];
AKINDINOV, V.V.; GERSHTEYN, G.M.; DASHENKOV, V.M.; YEVSEYEV,
V.I.; IL'IN, V.S.; KOROSTELEV, G.N.; LUCHININ, V.D.; NAUMENKO,
Yu.P.; RYAZANOVA, T.P.; SEDIN, V.A.; TOLSTIKOV, V.A.; SHTYROV,
A.I.; AVILOV, B.I., red.; ZENIN, V.V., tekhn. red.

[Practical work in radio physics] Radiofizicheski praktikum.
Izd.2., dop. i perer. Saratov, 1961. 277 p. (MIRA 15:1)

1. Saratov. Universitet. 2. Kafedra radiofiziki Saratovskogo
universiteta im. N.G.Chernyshevskogo (for all except Avilov,
Zenin).

(Radio)

0/057/62/032/006/007/022
B108, B102

7.4210

AUTHOR: Naumenko, Yu. . .

TITLE: Electron trajectories in an inverted magnetron

PERIODICAL: Zhurnal tekhnicheskoy fiziki, v. 32, no. 6, 1962, 682 - 685

TEXT: The electron trajectories in a cylindrical inverted magnetron (cathode outside, anode inside) were calculated and plotted in graphs. The author used the graphic analytical method of the radius r of curvature.

The latter can be found from $\frac{1}{r} = \frac{e}{m} \frac{E}{v} \pm \frac{E^2}{v^3}$; E_r is the field strength projection on r. The calculations were made for magnetic fields equal to and greater than the critical, both with and without consideration of the space charge. Knowing the radius of curvature one can construct the trajectory between the electrical equipotential lines. Calculations were made for various cathode-to-anode radius ratios. It was found that the electrons return to the cathode, which confirmed earlier results obtained by G. K. Ivanova (ZhTF, 29, 9, 1959). There are 5 figures.

Card 1/2

✓
2

Electron trajectories ...

S/057/62/032/006/007/022
B108/3102

ASSOCIATION: Saratovskiy gosudarstvennyy universitet im. N. G.
Chernyshevskogo (Saratov State University imeni N. G. Cherny-
shevskiy)

SUBMITTED: July 17, 1961

✓
B

Page 2/2

GERASIMOVA, L.S., inzh.; NAUMENKO, Yu.P., inzh.

Transformers for electronically excited drives. Energ. i elektrotekh. prom. no.3:54-55 J1-8 '64.

(MIRA 17:11)

1000-1000 (1)
ACR OR: A6017143

SOURCE CODE: UR/0275/66/000/001/A004/A004

AUTHOR: Gershteyn, G. M.; Naumenko, Yu. P.

TITLE: The use of induced current to model a two-dimensional field with a space charge

SOURCE: Ref. zh. Elektronika i yeye primeneniye, Abs. 1A7

REF SOURCE: Sb. Vopr. elektrich. modelirovaniya poley. Saratov, Saratovsk. un-t, 1964, 167-181

TOPIC TAGS: induced current, space charge density

TRANSLATION: The induced current method is used for modeling a two-dimensional device described by a Poisson equation. The modeling was based on an induced current device with an oscillating probe and additional electrodes located at the edge of the model. The potential of these electrodes are different from the electrodes of the model. The additional electrodes introduce an additional power line current to the testing region and at a certain distance from their surface the resulting field satisfies the Poisson equation. It is shown that this occurs when the potentials are spread over additional electrodes and have a Poisson distribution in the xy -plane. The computed and experimental results of three space charge density distribution cases in a cylindrical diode (linear, constant, and Langmuir distribution) showed satisfactory agreement of theore-

Card 1/2

UDC: 621.385

L 09955-67

ACC NR: AR6017143

tical and experimental curves. This method can be used in modeling fields described by the Poisson equation with given right part of the equation, e. g., in calculating the fields of electronic vacuum instruments by the successive approximation method. 6 references. R. B.

SUB CODE: 09

Card 2/2

COUNTRY :
CATEGORY :

ABS. JOUR. : RZhBiol., No. 11, 1959, No. 433.

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : optimum conditions for forest regeneration under a canopy of mature and over-mature pines occurred when the crown clearance was 0.6-0.8; under unpruned trees, 0.7 (a graph is presented). With a clean cut log, the self-seeding of pine is distributed principally within a 20-25 m band on the southern wall of the forest. Satisfactory regeneration in the windows occurred basically in the shaded zone from south to north up to 20-25 m; from west to east roughly 4-5 times, and in drier pine forests up to twice the height of the forest wall. The amount of self-seeding in such "windows" exceeded by 5-7 times the amount under the canopy. Formulas for determining the length of shadow from the

Card:

2/3

-31-

NAUMENKO, Z.M.

Geobotanical zoning of Sakhalin. Bot. zhur. 46 no.8:1186-1189
Ag '61. (MIRA 15:1)

1. Leningradskiy nauchno-issledovatel'skiy institut lesnogo
khozyaystva.

(Sakhalin--Phytogeography)

NAUMENKO, Z.M.

Picea obovata L. at the eastern boundary of its
range. Bot. zhur. 49 no. 7: 1008-1013 Pl. 164 (MIRA 1968)

1. Magadanskaya lesnaya opyt'naya stantsiya.

NAUMENKO, V.M.

Variation of some physiological features of the young growth
of spruce after the cutting of tree stands. Fiziol. rast. 11
no.3:532-539 My-Je '65. (MIR 1965)

. Magdanskaya lesnaya opyt'naya stantsiya.

NAUMENKO, Z.N.

Acoustical parameters of slag wool. Prom.aerodin. no.14:
99-108 '59. (MIRA 13:6)
(Mineral wool)

NAUMENKO, Z.N.

Acoustic properties of gravel. Prom. aerodin. no. 18:12-20 '60.
(MIRA 14:5)

(Gravel) (Sound waves--Damping)

L 05162-67

ACC NR: AP6011263

SOURCE CODE: UR/04.13/66/000/006/011/0115

AUTHORS: Munin, A. G.; Naumenko, Z. H.; Teroknin, A. S.; Filipova, A. G.; Chikin, K. G.

ORG: none

TITLE: Apparatus for damping noise in aerodynamic or gas-dynamic machinery.
Class 47, No. 180020

SOURCE: Izobreteniya, promyshlennyye obraboty, tovarnyye znaki, no. 6, 1966, 108

TOPIC TAGS: aerodynamic noise, acoustic noise, aerodynamics

ABSTRACT: This author certificate presents an apparatus for damping noise in aerodynamic or gas-dynamic machinery. The apparatus contains a reinforced concrete case with sound-absorbing columns, an inflow duct, and an exhaust chamber. To increase the acoustical effectiveness of noise damping in a broad range of frequencies, the reinforced concrete case is corrugated and has a variable cross section (see Fig. 1). The sound-absorbing columns are placed in each corrugation.

Fig. 1. 1 - reinforced concrete case;
2 - sound-absorbing columns

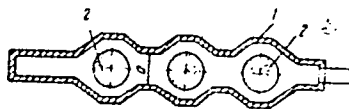


Fig. art. has: 1 figure.

UDC CODE: 13/ SUBM DATE: 22Jul64

Card 1/1 vmt

UDC: 621-758.34:533.071.5

L 44811-65 EWT(1)/EWG(v) Po-4/Pa-5/Pq-4/Pz-4 (N
 ACCESSION NR AML047285 BOOK EXPLCITATION

Vasil'yeva, Inna Leonidovna; Vereda, Sergey Vasil'yevich; Gracheva, N. P.;
 Lyubimov, L. H.; Naumenko-Bondarenko, I. I.; Podubnyy, S. A.; Abal'skiy,
 M. IE.

Devices, repair, maintenance and operation of gravimetric apparatus (Ustroystvo,
 naladka, remont i ekspluatatsiya gravimetricheskooy apparatury), Moscow,
 Izd-vo "Nedra", 1964, 223 p. illus., biblio.

TOPIC TAGS: gravimetric equipment, geophysics, gravimetry

PURPOSE AND COVERAGE: This book describes the principles of tuning, regulation
 and error elimination of gravimetric equipment used in gravimetric exploration
 and other gravimetric work in the Soviet Union: quartz ground and bottom
 gravimeters, gradientometers, variometers, and densitometers. In addition, it
 describes the equipment of a quartz shop and methods of making and repairing
 the quartz system of quartz astatic gravimeters. The book is intended for
 engineers and technicians concerned with field gravimetry. It will be useful
 to students studying geophysics.

TABLE OF CONTENTS [abridged]:

Card 1/2

L 45811-65

ACCESSION NR AM:047285

Foreword -- 3

Ch. I. Assembly of quartz astatic gravimeters -- 5

Ch. II. Regulation and determination of the constance of quartz astatic gravimeters -- 33

Ch. III. Brief information on the repair and building of astatic quartz systems -- 71

Ch. IV. Bottom quartz gravimeters KDG--II and KDG--III -- 85

Ch. V. Gravitation variometers -- 118

Ch. VI. Gravitation gradientometer GREM--2 -- 165

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SUBMITTED: 09Mar64

SUB CODE: PS, EC

NO REF SOV: 019

OTHER: 001

ce
Card 2/2

L 21794-66 EWT(1)/EWA(h) GW

ACC NR: AP6002922

(N)

SOURCE CODE: UR/0286/65/000/024/0083/0083

AUTHORS: Naumenko-Bondaranko, I. I.; Gorin, V. P.; Usacheva, A. M.; Stepin, M. D.; Yurkovatskiy, S. G.; Aksenov, M. Z.; Yefremov, V. V.; Kolontsev, A. M.; Baryshev, Yu. M.; Iod'ina, V. M.; Fel'dman, Yu. S.

ORG: none

TITLE: A ground gravimeter Class 42, No. 177106

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 24, 1965, 83

TOPIC TAGS: gravimetric analysis, measuring instrument, measurement accuracy
gravimeter

ABSTRACT: This Author Certificate presents a ground gravimeter containing a quartz elastic sensitive system, units of distance control and control of the rotation angle of a micrometric screw, and an assembly of a photoelectric device with an illuminator. The design increases the precision of the measurements and makes possible the determination of the errors of the distance transmission. The unit of distance control in the gravimeter has precision multiple-turn linear potentiometers interconnected in a bridge circuit. One of the potentiometers is mounted in the gravimeter and the other on a control panel. The rotors of these potentiometers are connected with a tachometer. To reduce the temperature effects on the quartz sensitive system, the latter system is insulated from the photoelectric device.

SUB CODE: 08/ SUBM DATE: 21Jan64

Card 1/1

UDC: 550.831

ACC NR: AP7005646

SOURCE CODE: UR/0413/67/000/002/0094/0094

INVENTOR: Naumenko-Bondarenko, I. I.; Maslov, I. A.; Kuzivanov, V. A.

ORG: None

TITLE: A method for calibrating gravimeters. Class 42, No. 190596

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 2, 1967, 94

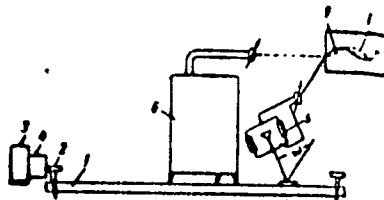
TOPIC TAGS: gravimeter, instrument calibration equipment

ABSTRACT: This Author's Certificate introduces a method for using base inclinations to calibrate gravimeters designed for measuring the force of gravity in motion. The amplitude and phase characteristics of the instruments are determined from combined recordings of base inclinations and the readings of the sensing element. The variation in base inclinations is periodic with differing frequency and amplitude.

Card 1/2

UDC; 550.831

ACC NR: AP7005646



1--test stage; 2--adjustment screw; 3--electric motor; 4--speed reducer; 5--photo-electric registration device; 6--gravimeter; 7--photographic film; 8 and 9--recording

SUB CODE: 08/ SUBM DATE: 18Aug65

Card 2/2

NAUMENKOV, A.I.

Methodology for the determination of iodine in water; an
abstract. Lab. delo no.10:596 '64. (MIRA 17:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut konevodstva.

3.9410

25427
S/169/61/000/007/103/104
A006/A101

AUTHORS: Baranskiy, L.N., Naumenkov, N.L.

TITLE: Observation of telluric currents at Mirnyy and Oasis stations in 1957

PERIODICAL: Referativnyy zhurnal. Geofizika, no. 7, 1961, 48, abstract 7G39
("Inform. byul. Sov. antarkt. ekspeditsii", 1960, no. 14, 24-28)

TEXT: A description is given of the equipment for observations of telluric currents according to the IGY program. Lead sheets were used as electrodes. On the continent the electrodes were placed on spots of outcropping rocks. The resistance of the line was about 10 km. At Mirnyy the telluric currents were visibly recorded by the || -09 (EPP-09) potentiometer. Micropulsations of H were registered by an induction coil with a ferrite core. Noises from the electrization of the Earth's surface by snowflakes during snowstorms are characteristic for telluric currents. In sea currents such noises do not exist. The field of telluric currents in the Antarctic region is a very intensive one: 5-10 v/km during disturbed days and up to 500 v/km during quiet days. The orientation of telluric currents at Mirnyy coincides with the direction of the coastal

Card 1/2

Observation of telluric currents ...

S/169/61/00/007/03/10+
A006/A101

line. The amplitudes of current variations in the sea are 10^{-2} a/m². The sea currents decrease rapidly at a greater distance from the coast (by 5 - 7 times at 10 km distance).

G. Fonarev

[Abstracter's note: Complete translation]

Card 2/2

S/048/62/026/007/007/030
B104/B138

AUTHOR: Naumenkov, P. A.

TITLE: The use of special low-voltage spark operation to determine elements difficult to excite

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya, v. 26, no. 7, 1962, 867-868

TEXT: With the low-voltage spark generators shown in Figs. 1 and 2, which were developed from the ΠC -39 (PS-39) and the ΠF -3 (IG-3), the carbon content in steels can be determined from the lines C II 6578.03 Å and C II 6582.85 Å in the concentration range 0.1-1.0% , silicon from 0.1% from the lines Si 6347.01 Å and Si 6371.09 Å, from sulfur 0.001% from the line S II 5453.88 Å and phosphorus from 0.02% from the line P II 6043.05 Å. The 48-μ f capacitance 1 (Fig. 1) is supplied by 220-v a-c mains. The analytic spark gap 2 is parallel-connected to it.

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The use of special low-voltage ...

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For discharge of the analytic gap a 175- μ f high-voltage capacitor 4 is connected to the secondary coil of transformer 3. When capacitance 4 discharges, the auxiliary discharge gap 5 and analytic gap 2 spark simultaneously. The auxiliary discharge gap consists of two copper wires 11 mm apart. The current in the primary coil of the transformer is 0.4 a, and 3.5 a in the spark. The analytic gap can be adjusted from 0.5 to 3 mm. Similar conditions can be obtained with the system shown in Fig. 2. There are 2 figures. ✓

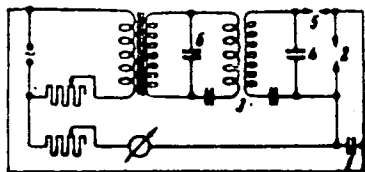


FIG. 1

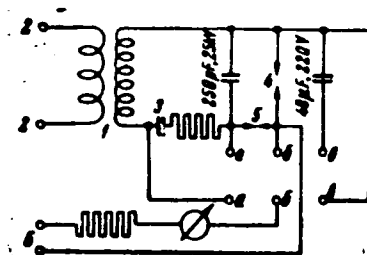


FIG. 2

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