

1965, 1966

USSR/Microbiology - General Microbiology

F-1

Abs Jour : Ref. Jour-Biologiya, No 1, 1967, 478

Author : L. A. Rosentant and N. A. Nefedova

Inst :
Title : The Correlation of Bacteria with the
Chemical Regimen and Zooplankton in the
Bottom Soil of the Northwestern Part of
the Pacific Ocean.

Orig. Pub : Mikrobiologiya, 1966, 5, No 1, 41-65

Abstract : Complex studies -- chemical, microbiologi-
cal, and ecological -- of analogous
samples of bottom soil obtained at 10
stations of the Northwestern part of the
Pacific Ocean at depths ranging from 128
to 2150 meters were carried out. The
existence of a direct relationship between

Card 1/2

USSR/Microbiology - General Microbiology

F-1

Abs Jour : Ref. Mikrobiologiya, No 1, 1977, 478

Abstract : the total number of microorganisms, the biomass of microbenthos, and the concentration of biogenic elements was proven. The number of benthic animals sharply decreased as the distance from the shore increased. In the upper layer of the bottom soil the number of bacteria and the concentration of biogenic elements gradually decreased with the increase in the distance from the land.

Card 2/2

NEFEDOVA, N.A.

Current status of orthopedic-traumatological aid in the Stalino Province. Ortop., travm. i protez. 22 no.3:50-53 '61.

(MIRA 14:4)

1. Iz Stalinskogo nauchno-issledovatel'skogo instituta travmatologii i ortopedii (dir. - kand.med.nauk T.A. Revenko).

(~~STALINO PROVINCE—ORTHOPEDICS~~)

MEMORANDUM FOR THE DIRECTOR

Subject: [Illegible]

Reference is made to [Illegible]

[Illegible]

~~NEFEDOVA, O.I.~~

Foremost tasks of the Trade-Unions of the light industry. *Leg.*
prom. 18 no.2:1-3 P '58. (MIRA 11:2)

1. Predsedatel' Tsentral'nogo komiteta profsoyuza rabochikh tekstil'-
noy i legkoy promyshlennosti.
(Trade unions)

REFEDOVA, O.I.

Resolutions of the May Plenum of the Central Committee of the
CPSU and the tasks of trade-union organizations. Leg. prom. 18
no.8:1-4 Ag '58. (MIRA 11:9)

1. Predsedatel' Tsentral'nogo komiteta profsoyuza rabochikh tekstil'noy
i legkoy promyshlennosti.
(Synthetic products)

NEFEDOVA, O.I.

Mobilize the growing creative initiative of the masses to fulfill the large-scale program of developing the textile industry.
Tekst. prom. 18 no.9:1-4 S '58. (MIRA 11:10)

1. Predsedatel' Tsentral'nogo komiteta profsoyuza rabochikh tekstil'noy i legkoy promyshlennosti.
(Textile industry)

NEFEDOVA O

Public council of action. hr. trada i sotu. str. 4
no. 116-17 S 111.

1. General line of health and prof. ...
to

(INDUSTRIAL HYGIENE)

NEFEDOVA, O.

Supply the population with the best products in the world. Sov.
profsoiuzy no.17:14-17 S '61. (MIRA 14:8)

1. Predsedatel' Tsentral'nogo komiteta profsoyuza rabochikh
tekstil'noy i legkoy promyshlennosti.
(Manufactures--Quality control)
(Socialist competition)
(Trade unions)

NEFEDOVA, O. I.

USSR/Chemistry - Synthesis

Card 1/1 Pub. 151 - 25/36

Authors : Korobitsyna, I. K.; Yuryev, Yu. K.; and Nefedova, O. I.

Title : Synthesis and reactions of 3,4-diketones of the tetrahydrofuran series

Periodical : Zhur. ob. khim. 24/1, 188-193, Jan 1954

Abstract : The oxidation of two ketones of the tetrahydrofuran series - 2,2,5,5,-tetramethyltetrahydrofuranone-3 and 2,5-dimethyl-2,5-diethyltetrahydrofuranone-3 having the tertiary carbon atoms in 2,5-position - with SeO_2 was investigated. It was found that this oxidation process can serve as a suitable preparatory method for the derivation of diketones in which the carbonyl groups are oriented in 3,4-positions. It was also established that 3,4-diketones of the tetrahydrofuran series can be used as basic substances for the synthesis of condensed heterocyclic systems which include in their composition tetrahydrofuran and quinoxaline, dihydropyrazino or imidazol cycles. Eight references: 4-French; 3-USSR and 1-USA (1882-1951).

Institution : State University, Moscow

Submitted : June 25, 1953

70-72-1-14/13

AUTHORS: Ap n, A. Ya., Lohedev, Ya. A. Nefedova, S.I.

TITLE: The Nitrogen Reactions in Explosions (Reaktsii azota pri vzryve)

PERIODICAL: Zhurnal Fizicheskoy Khimii, 1954, Vol. 32, Nr 4, pp. 819 - 824 (USSR)

ABSTRACT: Since nitrogen is a constituent of the most important explosives, and in the explosion enters reactions with other elements, these are investigated calorimetrically according to the explosion heats. The investigations were carried out with beryllium, plumbic acid, hydrazide and mixtures of these with Al, Be, B, Mg and Zn; here investigations already carried out showed analogous results to those by A. R. Rabinovich (Reference 1), K.K. Andreyev and P. L. Gouster. An addition of metal strongly increases the explosion heat as the metal nitrogen reacts with the metal under formation of the nitride, in which case the explosion heat increases linearly with the increase of the amount of metal till to a certain point in relation to

Card 1/3

The Nitrogen Reactions in Explosions

70-72-4-14/17

decrease again. In the experiments with aluminum the dependence on the degree of dispersion and the number of aluminum particles was observed. From the results of the formation heats given in a table, compared to the data of references can be seen that in accordance to the coincidence, the formation heats can be determined in explosions of nitrides as a linear function between the heat formation and the content of metal partly exists. It is noticed that the metal addition increases the capacity for performing work of the explosion only to a certain limit, as the latter depends on the specific volume of the explosion gas products. The experiments carried out with explosion mixtures of hexamere with aluminum or beryllium in the calorimetric cylinder, the results of which are graphically shown, indicate that the metal enters a chemical reaction with all gas products of the explosion, as there are carbon monoxide and nitrogen, and that in consequence of this an additional heat formation is observed. In the case of hydrazinic acid a strong course of the maximal explosion heat was measured, in which case nitrogen and nitro oxide are principal part in the explosion product at the lower values of initial

Card 2, 3

The Nitrogen Reactions in Explosions

76-32-4-14/43

and nitrogen at the higher value. There are 4 figures, 2 tables and 7 references, 5 of which are Soviet.

ASSOCIATION: Akademiya nauk SSSR, Institut khimicheskoy fiziki Moskva
(Moscow Institute for Chemical Physics, AS USSR)

SUBMITTED: December 15, 1956

AVAILABLE: Library of Congress

1. Explosives--Calorimetric analysis 2. Nitrogen--Chemical reactions

Card 3/3

POKHIL, P.F.; MEVEDOVA, O.I.; MARGOLIN, A.D.

Anomalous dependence of the gunpowder rate of burning on the
initial temperature. Dokl.AN SSSR 145 no.4:860-862 Ag '62.
(MIRA 15:7)

1. Institut khimicheskoy fiziki AN SSSR. Predstavleno akademikom
V.N.Kondrat'yevym.

(Combustion) (Gunpowder)

ACCESSION NR: AP4041205

S/0207/04/000/003/0149/0153

AUTHORS: Margolin, A. D. (Moscow); Nefedova, O. I. (Moscow); Pokhil, P. P. (Moscow)

TITLE: Dependence of burning rate of different fuels on initial temperature

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 3, 1964, 149-153

TOPIC TAGS: burning rate, fuel, hexogene, perchlorate, benzoate, reaction layer

ABSTRACT: Experiments were made with hexogene and mixtures of potassium perchlorate with tungsten, zirconium, or potassium benzoate. Initial temperatures ranged from -140 to 150C. The component ratios, charge densities, and inert-gas pressure were varied in the experiments. It was found that the log of the burning rate of hexogene and mixtures of potassium perchlorate with metals has a linear dependence on initial temperature of the substance, but the relation for mixtures of potassium perchlorate with potassium benzoate has a break in it. Measurements of the surface temperatures in flameless combustion showed that the heat given off in the reaction layer of the condensed phase, on raising the initial temperature of the pyroxylin powder from 90 to 140C, decreases 15% (from

Card: 1/2

ACCESSION NR: AP4041205

84 to 72 cal/g). The heat capacity of the products that form the smoke-gas mixture and the powder is computed to be 0.4 cal/g deg. "The authors thank N. N. Mikhaylov for designing and preparing the attachments for cooling the samples." Orig. art. has: 6 figures and 2 tables.

ASSOCIATION: none

SUBMITTED: 23Nov63

ATD PRESS: 3079

ENCL: 00

SUB CODE: FP

NO REF SOV: 008

OTHER: 000

Card 2/2

L 46316-66 EWT(d)/EWT(l)/EWT(m)/I IJP(c) WW/WW/WF

ACC NR: AP6027959

SOURCE CODE: UR/0020/66/169/003/0619/0621

AUTHOR: Zenin, A. A.; Leypunskiy, O. I.; Margolin, A. D.; Nefedova, O. I.; Pokhil, P. F.

ORG: Institute of Chemical Physics, Academy of Sciences, SSSR (Institut khimicheskoy fiziki Akademii nauk SSSR)

TITLE: Temperature field at the surface of burning gunpowder and combustion stability

SOURCE: AN SSSR. Doklady, v. 169, no. 3, 1966, 619-621

TOPIC TAGS: gunpowder, combustion stability, temperature field,
~~stability criterion~~ *temperature distribution*

ABSTRACT: Temperature distribution at the surface of burning gunpowder H was measured at initial surface temperatures ranging from -196 to 140C and pressures of 1-20 atm. The experimental data were used to determine the values of combustion stability criteria for various temperatures and pressures. Comparison of the experimental results with published theories showed that the Zel'dovich stability criterion (ZhETF, 12, 498, 1942), which was derived on the assumption that the temperature of the powder surface does not change with changing burning velocity and that there is no heat release in the condensed phase, is

Card 1/2

UDC: 541.126+536.462

L 46316-56

ACC NR: AP6027959

①

valid only at low temperatures. The criterion derived by Istratov and Librovich (Zhurn. prikl. mekh. i tekhn. fiz., No. 5, 38, 1964) and the criterion derived by Novozhilov (ZhPMTF, No. 4, 157, 1965) are valid over the entire temperature range studied. Orig. art. has: 4 tables.
[PS]

SUB CODE: 21/ SUBM DATE: 15Nov65/ ORIG REF: 010/ ATD PRESS: 5154

Card 2/2 *rej*

NEFEDOVA, R. S.

NEFEDOVA, R. S. -- "The Influence of Succulent Fodder and Exercise on the Physiological Condition of Young Calves and Their Importance in the Preventive Treatment of Intestinal Diseases." Moscow Veterinary Acad of Min Agriculture USSR, Moscow, 1956. (Dissertation for the Degree of Candidate in AGRICULTURAL SCIENCES).

SO: KNIZHNAYA LETOPIS' (Book Register), No. 42, October 1956, Moscow.

USSR/Farm Animals. Cattle

Q-2

Abs Jour : Ref Zhur - Biol., No 8, 1958, No 35646

Author : ~~Nafodova R.G.~~

Inst : Not Given

Title : The Influence of Succulent Foods on the Physiological Condition of Calves of Early Age and Their Importance in the Prophylaxis of Gastrointestinal Diseases (Bliyaniya sochnykh kornov na fiziologicheskoye sostoyaniya telet rennogo vozrasta i ikh znacheniye v profilaktiko zholudochno-kishochnykh zabolevaniy)

Orig Pub : Tr. Mosk. vet. skrd., 1957, 19, No 1, 54-66

Abstract : One group of calves (3 heads) had its rations supplemented by boiled potatoes from the 2nd day of life on, starting from 150 g. and gradually increasing their amount to 3.5 kg. at the age of 3 months; the 2nd group (3 heads) was fed rangel-wurzel (first as a juice, and later on, in a grated form) in the same amounts; the 3rd was a control one. The average daily weight gain in the control group was 673 g., in the

Card : 1/2

20

USSR / Farm Animals. Cattle.

2-2

Abs Jour: Ref Zhur-Biol., No 12, 1958, 54751.

Author : Nefedova, R. S.

Inst : Not given.

Title : The Effect of Exercise from Early Age Upon the
Physiological Condition of Calves.

Orig Pub: Tr. Mosk. vet. akad., 1957, 19, No 1, 67-76.

Abstract: From December through April, a study was conducted at a sovkhos situated near Moscow on 10 heifers, beginning from 3 days up to 3 months of age, at an air temperature of not less than minus 17°C. The duration of outings was gradually prolonged from 15 min. to 3 hours. The calves in the control group were allowed outings from 4-48 days to 3 months of age, and their duration of outings was prolonged up to 1 hour. In experimental

Card 1/2

USSR / Farm Animals. Cattle.

Q-2

Abs Jour: Ref Zhur-Biol., No 12, 1958, 54760.

Abstract: animals, the exercise was strengthening the organism, the cardiovascular, respiratory and digestive systems, and was increasing the metabolism and energy as well as the processes of oxidation and heat production. The utilization of oxygen was increased by 1.7%, excretion of carbon dioxide by 11.4%, coefficient of respiration by 3.8%, and heat production by 2.4%. At the age of 3 months, the live weight of the experimental calves was 102.7 kg. and that of the control ones was 91 kg.

Card 2/2

26

MEMORANDUM, T. A.

Reference is made to the investigation conducted by the Office of the Inspector General, Department of Justice, in connection with the activities of the Institute for Advanced Study, New York, City, in connection with the source of funds for the Institute for Advanced Study.

Re: Enrichment Institute, Inc., 1954

FONAREV, N. M., kand.tekhn.nauk; NEFEDOVA, T. A., kand.tekhn.nauk

Automatic speed control system on mechanized hump yards. Part 2.
System for determining the speed of uncoupling at settings in the
second and third brake position. Avtom. telem. i svyaz' 5 no.9:
6-9 S '61. (MIRA 14:10)

(Railroads—Hump yards)

(Railroads—Electronic equipment)

FONAREV, N.M., kand.tekhn.nauk; NEPEDOVA, T.A., kand.tekhn.nauk

Automatic speed control system in mechanized hump yards. Part 7:
Automatic control devices of braking units. Avtom., telem. i
svias' 6 no.7:9-14 J1 '62. (MIRA 16:2)
(Railroads—Hump yards) (Railroads—Electric equipment)

ИЗДАНИЕ, т. 2: ИЗДАНИЕ, т. 1.

Ковалев, Федор Лукич.

Instruction in the industrial trade union work of engineers in the USSR.
Техн. инст. б., no. 1, 1954.

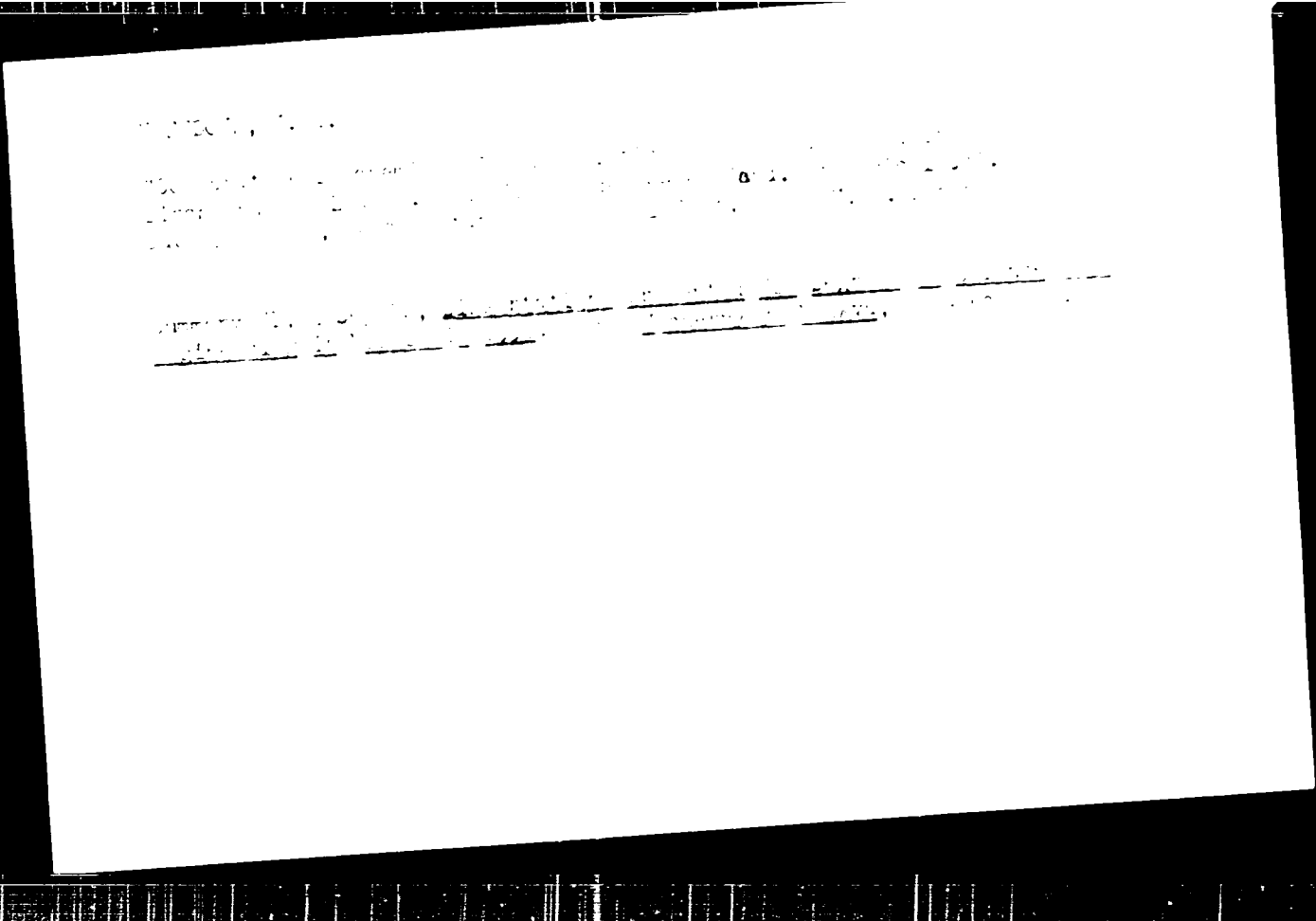
9. Monthly List of Russian Accessions, Library of Congress, 1953 Uncl.

TARASOV, Sergey Vladimirovich; MEDVEDOVA, T.N., retsentsent; SOKOLOVA, V.Ye.,
redaktor; MEDVEDEV, L.Ye., ~~redaktor~~ redaktor

[Design and operation of flax-spinning machines] Ustroistvo i obaluzhi-
vanie priadil'nykh mashin l'nianoi promyshlennosti. Moskva, Gos.
nauchno-tekhn. izd-vo Ministerstva legkoi promyshl. SSSR, 1956. 220 p.
(Flax) (MLRA 9:12)
(Spinning machinery)

NEFEDOV, S. (Kazan'); NEFEDOVA, V. (Kazan')

How to make a carpenter's flat wooden hammer. Polited.
obuch. no.6:89-90 Je '59. (MIRA 12:12)
(Hammers)



CA NEFEDOVA, V. A.

11D

The feeding properties of birch leaves that can be used
of the oak silkworm in relation to the variety, age, and en-
vironmental growing conditions. S. Ya. Demyanovskii,
V. A. Nefedova, and V. K. Kondrat'eva. *Doklady* [re-
ports: *ISSN: Selikobhos. Nauka* (m. V. I. Lening 10, No. 10,
41: 3, 1951)]. The compn. of the leaves of a no. of species of
birch and oaks is given: moisture, dry matter, total N,
crude protein, cellulose, ash, P, carbohydrates, and tannins.
J. S. Joffe

1951

NEFEDOVA, V.B.

History of the study of the present-day glaciation of Mount Elbrus.
Inform.sbor. o rab. Geof. fak. Mosk. gos. un. po Mezhdunar.
geofiz. godu no.2:5-22 '58.

(Elbrus, Mount—Glaciers)

(MIRA 15:10)

ANAN'YEV, G.S.; NEFEDOVA, V.B.

Find of Populus sp. wood in the sediments of the second terrace of
Sredniy Toguzak, the Southern Urals. Vest. Most. un. Ser. Geog. 19
no.5:81 S.O '64. (MIRA 18:1)

NEFE, V. V. / i

28(1)

PHASE I BOOK EXPLOITATION

SOV-2309

Agevkin, Dmitriy Ivanovich, Mikhail Aleksandrovich Balasov, Sergey Petrovich Kolosov, Valentina Ivanovna Nefedova, Yevgeniy Mikhaylovich Reshetnikov, Nikolay Ivanovich Sokolov, Vasilii Mikhaylovich Stromilov, Nikolay Mikhaylovich Tishchenko, and Nikolay Petrovich Ugalov

Rukovodstvo po proyektirovaniyu elementov i sistem avtomatiki; posobie po kursovomu proyektirovaniyu (Handbook on the Design of Automatic Control Elements and Systems; Textbook for Term Projects in Design) No. 2. Moscow, Oborongiz, 1959. 247 p. (Series: Moscow. Aviatzionnyy institut im. Sergo Ordzhonikidze) Errata slip inserted. 17,500 copies printed.

Ed. (Title page): B.N. Petrov, Corresponding Member, USSR Academy of Sciences, Professor; Ed. (Inside book): V.N. Istratov, Candidate of Technical Sciences; Ed. of Publishing House: E.A. Snehin; Tech. Ed.: V.P. Rozhin; Managing Ed.: A.S. Zaymovskaya.

PURPOSE: This is a textbook for students of the electromechanical departments of vtuzes working on term- and diploma design projects.

Card 1/4

Handbook on the Design (Cont.)

SOV/2309

Some chapters may also be useful to engineering personnel working with automatic control systems.

COVERAGE: The authors discuss basic problems in the design of automatic-control system elements, such as transducers, relays, clutches, and power transformers. They also describe servo systems, particularly autopilots, and present numerical examples of calculating system parameters. Typical assignments for students working on term design projects are also presented. The book was written by part of the teaching staff of Moscow Aviation Institute (Imeni Sergo Ordzhonikidze), under the direction of Professor B.N. Petrov, Corresponding Member, USSR Academy of Sciences. Chapter I was written by D.I. Ageykin; Chapter II, by S.P. Kolosov and M. A. Balashov; Chapter III, by V.I. Nefedov; Chapter IV, by Ye. M. Reshetnikov; Chapter V, by N.P. Udalov; Chapter VI, by N.M. Tishchenko; Chapter VII, by N. I. Sokolov; and Chapter VIII, by V.M. Stromilov. The authors thank Docents V.N. Istratov, S.P. Inozemtsev and A.F. Khokhlov, Candidates of Technical Sciences, for reviewing the book. There are 69 references, all Soviet (including 2 translations).

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| Ch. II. Displacement Transducers | |
| Ch. III. Polarized Relays | 41 |
| Ch. IV. A-C Electronic Relays | 71 |
| Ch. V. Viscous-friction Electromagnetic Clutches | 84 |
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| Ch. VII. Linear Servo Systems (Problems of Synthesis) | 127 |
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Handbook on the Design (Cont.)

SOV/2309

1. Remarks Concerning the Term Assignment and Term Design Project 238
2. Typical Assignment for a Term Design Project 238

AVAILABLE: Library of Congress

Card 4/4

JP/bg
9-30-59

VADKOVSKIY, N.D.; LEBEDEVA, V.P.; AL'TANI, B.S.; FILEVICH, F.N.;
BABIKOV, V.A.; SAVOSH, I.A.; DOKTOROVICH, M.Kh., starshiy inzh.;
KRISTAL'MAYA, Ye.F., starshiy inzh.; MALINA, K.M., starshiy tekhnik;
NEFEDOVA, V.I., tekhnik; LEBEDEVA, V.P., otv.red.; NOVIKOVA, Ye.S.,
red.; KARABILOVA, S.F., tekhn.red.

[Standard plan for stations of 600 and 1200 watt wire broadcasting centers] Tipovoi proekt stantsii radiotranslatsionnykh uzlov moshchnost'iu 600 i 1200 vt. Moskva, Gos.isd-vo lit-ry po voprosam svyazi i radio, 1960. 103 p. (MIRA 13:11)

1. Moscow. Gosudarstvennyy institut po izyskaniyam i proyektirovaniyu sooruzheniy svyazi.

(Radio stations)

(Wire broadcasting)

FRASE I BOOK EXPLOITATION 30V/329D

Avtomaticheskoye regulirovaniye aviadvigately; sbornik statey (Automatic Control of Aircraft Engines; Collection of Articles) No. 2. Moscow, Oborongiz, 1960. 134 p. 3,900 copies printed.

Ed.: Shevryakov, A. A.; Ed.: K. I. Grigorash; Technical Ed.: L. A. Garmukhina; Managing Ed.: A. S. Zaymovskaya, Engineer.

PURPOSE: This book is intended for engineers specializing in aircraft engine design and operation.

COVERAGE: This collection of 7 articles deals with various systems of aircraft engine control based on pneumatic, hydraulic, thermal, and electrical phenomena. One of the articles discusses nuclear reactors as objects to be regulated. No personalities are mentioned. References follow each article.

TABLE OF CONTENTS:

Metody i sposoby rascheta i konstruirovaniya staticheskikh i dinamicheskikh rel'evnykh apparatov s harakteristikami sverkhliniynykh funktsiy. 107

Kolosov, S. P. On Temperature-Dependent Devices in Electric Machines. 123

Prakhor, A. M. On the Actual Speed of Liquids in the Nozzle Outlet of a Centrifugal Atomizer. 131

AVAILABLE: Library of Congress
Card 1/3

AC/m/90
7-88-61

3

S/194/61/000/008/028/092
D201/D304

AUTHOR: Nefedova, V.I.

TITLE: Determining static characteristics of linearized relay amplifiers with a polarized relay

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 8, 1961, 34, abstract 8 V269 (V sb. Avtomat. regulirovaniye aviadvigatelay, no. 2, M., Oborongiz, 1960, 107-122)

TEXT: Static characteristics are considered of two-position type РП -4 (RP-4) and 3-position type РП -5 (RP-5) polarized relays, together with the winding inductance and self-inductance effects. It is shown that when the time constant of the windings of the RP-4 relay is increased, the frequency of free oscillations decreases together with the average value of the voltage at the output of the relay amplifier given the same value of current in the control winding. In the case of an amplifier with a 3-position re- ✓

Card 1/2

Determining static characteristics... S/194/61/000/008/028/092
D201/D304

lay this affects the static characteristics to a much lesser degree.
2 references. [Abstracter's note: Complete translation]

✓
—

Card 2/2

BALASHOV, M.A.; VORONKOV, B.S.; YELAGIN, Ye.B.; KISELEV, L.N.; KOLOSOV, S.P.; LEONT'YEVA, V.P.; NEFEDOVA, V.I.; STROMILOV, V.M.; SOKOLOV, N.I.; TISHCHENKO, N.M.; UDALOV, N.P.; PETROV, B.N., akademik, red.; GRIGORASH, K.I., red. izd-va; ROZHIN, V.P., tekhn. red.

[Handbook on the design of components and systems of automatic control; a manual for the preparation of course and diploma projects] Rukovodstvo po proektirovaniu elementov i sistem avtomatiki; posobie po kursovomu i diplomnomu proektirovaniu [By] M.A.Balashov i dr. Pod red. B.N.Petrova. Moskva, Gos. nauchno-tekhn. izd-vo Oborongiz. No.4. 1961. 311 p.

(MIRA 15:3)
1. Moscow. Aviatсионnyy institut imeni Sergo Ordzhonikidze. (Automatic control) (Electronics)

KOZLOV, Gennadiy Dem'yanovich; NEFEDOVA, V.I., red.; BORISOV, N.I.,
tekhn. red.

[New contactless magnetic components] Novye beskontaktnye
magnitnye elementy. Moskva, Gosenergoizdat, 1963. 79 p.
(Biblioteka po avtomatike, no.92) (MIRA 17:4)

SOTSKOV, Boris Stepanovich. DCMANSKIY, B.I., prof., doktor
tekh. nauk, rezensent; KOLOSOV, S.P., prof., doktor
tekh. nauk, rezensent; NEFEDOVA, V.I. dots., kand.
tekh. nauk, red.

[Principles of the calculation and design of electro-
mechanical components of automatic and remote control
systems] Osnovy rascheta i proektirovaniia elektro-
mekhanicheskikh elementov avtomaticheskikh i telemekha-
nicheskikh ustroistv. Moskva, Energiia, 1965. 575 p.
(MIRA 18:9)

SEREGIN, Ivan Nazarovich; ANUFRIYEV, Viktor Ivanovich; IVANOV, Fedor
Mikhaylovich. Prinimali uchastiye: VASYUTA, L.G.; VALYUS, V.M.;
VOROB'YEVA, K.G.; ZHAROVA, Ye.P.; NEFEDOVA, Ye.P.; IVANTEYEVA,
M.I.; ZUBKOVA, M.S., red.; DONSKAYA, G.D., tekhn.red.

[Injection into channels with stressed reinforcements] In'ekti-
rovanie kanalov s napriazhennoi armaturoi. Moskva, Nauchno-tekhn.
isd-vo M-va avtomobil'nogo transp. i shosseinykh dorog, 1960.
23 p. (MIRA 13:4)

1. Gosudarstvennyy Vsesoyuznyy dorozhnyy nauchno-issledovatel'skiy
institut (SOYUZZDORNII) (for Vasyuta, Valyus, Vorob'yeva, Zharova,
Nefedova, Ivanteyeva).
(Bridges, Concrete)

DASHKINA, I.V., kand. tekhn. nauk; MERKULOV, Ye.F., inzh.

Reliability of testing the quality of concrete by means of
ultrasonic waves. Avt. dor. 24 no.9:19-21 S '61.

(HIRA 14:10)

(Ultrasonic waves--Industrial applications)
(Concrete--Testing)

ZASHCHUK, I.V., kand. tekhn. nauk; NEFEDOVA, Ye.F., inzh.

Nondestructive testing of concrete for artificial structures.
Avt. dor. 26 no.5:8-9 My 1983. (MIRA 16 1983)

(Concrete construction--Testing)

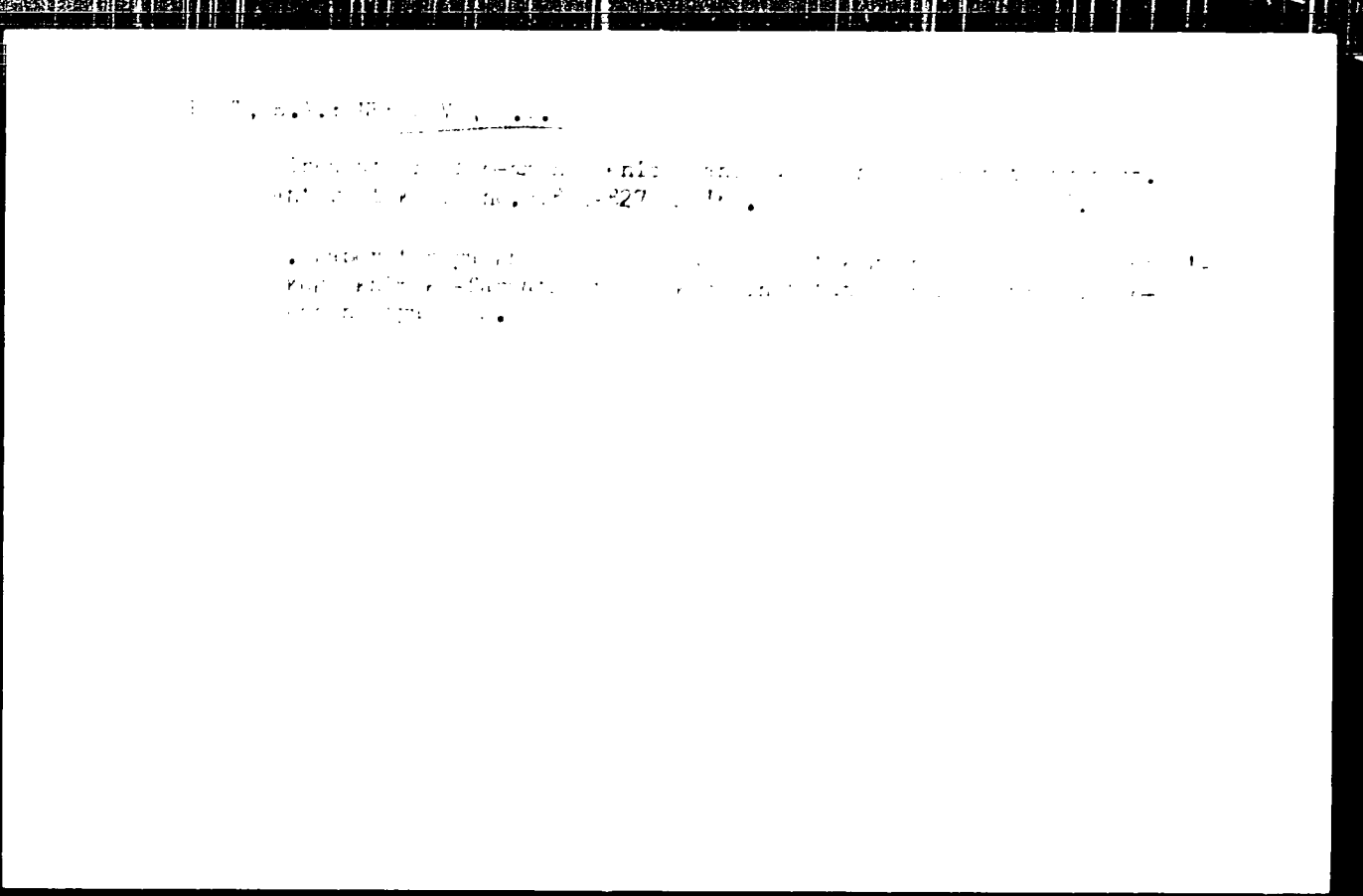
GARMONOV, I.V., doktor geol.-mineral.nauk; IVANOV, A.V.; NEFEDOVA, Ye.I.;
SMIRNOVA, G.N.; SUGROBOV, V.M.; FILIPPOVA, B.S., red.izd-va;
POLENOVA, T.P., tekhn.red.

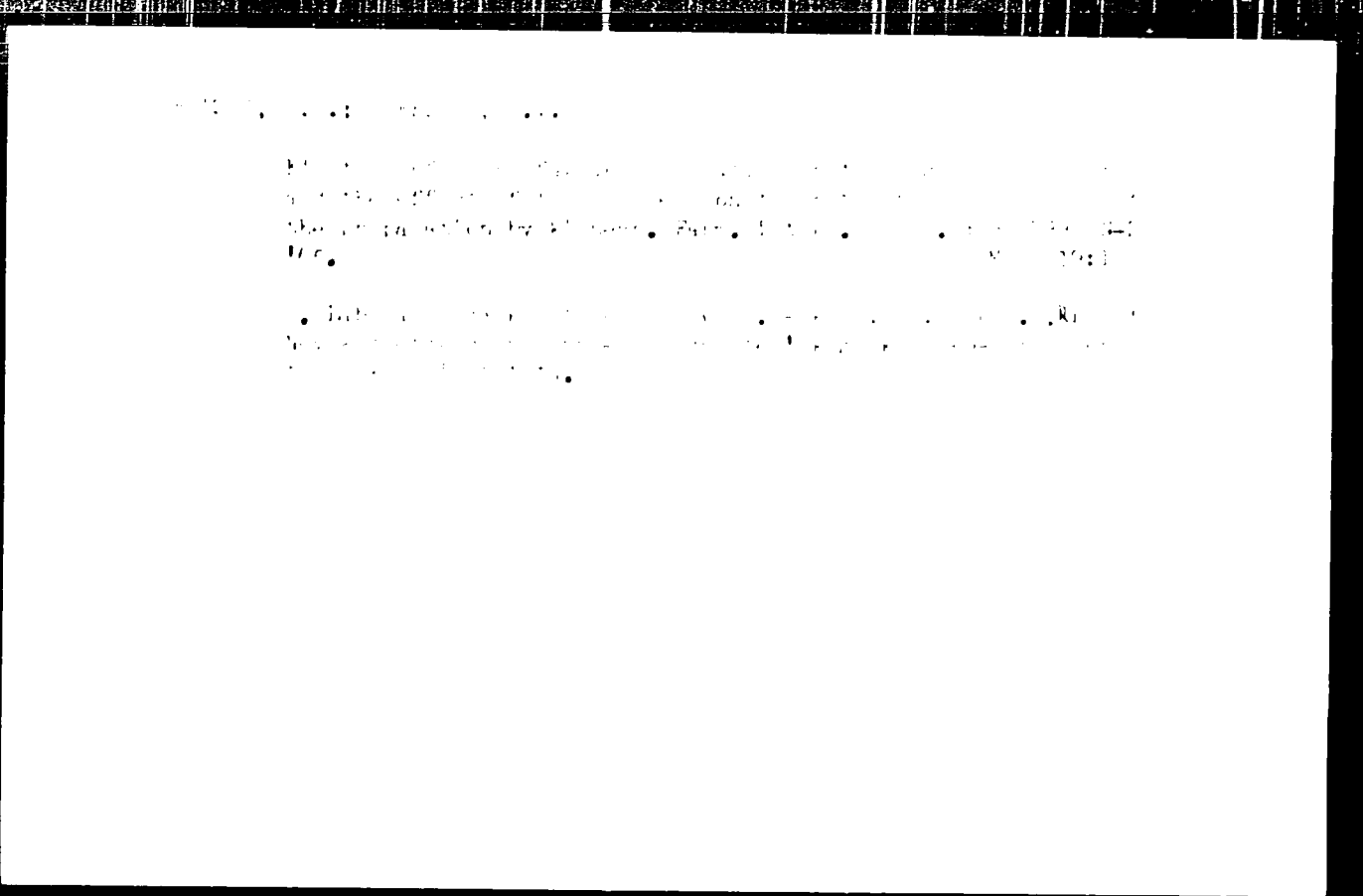
[Underground waters in the south of the West Siberian Lowland and
the conditions of their formation] Podzemnye vody iuga Zapadno-
Sibirskoi nizmennosti i uslovia ikh formirovaniia. Moskva, Izi-
vo Akad.nauk SSSR, 1961. 126 p. (Akademiia nauk SSSR. Laboratoriia
gidrogeologicheskikh problem. Trudy, vol.33) (MIRA 15:4)
(Siberia, Western—Water, Underground)

BOBRIYEVICH, A.P., sotrudnik; BONDARENKO, M.N., sotrudnik; GNEVUSHEV, M.A.,
sotrudnik; KIND, N.D., sotrudnik; KORESHKOV, B.Ya., sotrudnik;
KURYLEVA, N.A., sotrudnik; ~~MEFEDOVA, Z.D.~~, sotrudnik; POPUGAYEVA,
L.A., sotrudnik; POPOVA, Ye.E., sotrudnik; SKUL'SKIY, V.D.,
sotrudnik; SMIRNOV, G.I., sotrudnik; YURKEVICH, R.K., sotrudnik;
FAYNSHTEYN, G.Kh., sotrudnik; SHCHUKIN, V.N., sotrudnik; BUROV,
A.P., nauchnyy redaktor; SOBOLEV, V.S., nauchnyy redaktor;
VERSTAK, G.V., redaktor izdatel'stva; KRYNOCHKINA, K.V., tekhnicheskiy redaktor

[Diamonds of Siberia] Almazы Sibiri. [Moskva] Gos.nauchno-tekhn. izd-vo lit-ry po geol. i okhrane nedr, 1957. 157 p. (MLBA 10:7)

1. Russia (1923)- U.S.S.R.) Ministerstvo geologii i okhrany nedr.
2. Amalinskaya ekspeditsiya Glavural'sibgeologii Ministerstva geologii i okhrany nedr SSSR (for Bobriyevich, Bondarenko, Gnevushev, Kind, Korshkov, Kuryleva, Mefedova, Popugayeva, Popova, Skul'skiy, Smirnov, Yurkevich, Faynshteyn, Shchukin)
(Siberia--Diamonds)





ИФЕДОВА, З. Ю. (Kazan')

Content of acetylcholine in the lacrimal fluid. Kaz.med.zhur.
no.1:72 Ja-Pl's.

(MIRA 1948)

(NO SUBJECT HEADINGS)

G/030/62/002/007/002/004
I030/I230

AUTHOR: Nefedow, W.

TITLE: Determination of atomic charges in molecules by means
of X-ray emission spectra

PERIODICAL: Physica status solidi, V.2, no.7, 1962, 904-922

TEXT: This paper provides a clear definition of the concept of atomic charges in molecules (ACM), which has not been done so far, and determines the ACM for some compounds from experimental data. After discussing various usages of the concept of ACM, a new definition is suggested, using the energy of the innermost atomic term as a measure for the ACM. The ground state of the central atom and that of its positive and negative ion in the gaseous state are chosen for the limiting values. Hence the principle of electro-

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G/030/62/002/007/002/004
I030/I230

Determination of atomic charges....

neutrality and charge distribution in molecules are interpreted in a new way. Using Slater's functions, an equation is derived for calculating the ACM from the shift of X-ray emission lines. Only such lines are used as are caused by transition between terms whose energy depends on the chemical bond and is not influenced by any additional factor. The known shifts in the $K_{\alpha,1,2}$ lines of the elements of the third period in about 150 compounds are used, in conjunction with an empirical constant, to calculate the relevant ACM. These values are compared to data based upon other physical measurements, and some further connections between line shift and ACM are given. There are 1 figure and 11 tables.

ASSOCIATION: Physikalisch-Chemisches Institut der Karl-Marx-Universität (Physics-Chemical Institute of the Karl-Marx-University, Leipzig)

SUBMITTED: April 18, 1962
Card 2/2

NEFED'YEV, A. A.

Nefed'yev, A. A.

"Problems of the organization of independent work of students in mathematics in the eighth through tenth classes of intermediate school." Moscow Oblast Pedagogical Inst. Irkutsk, 1956. (Dissertation for the Degree of Candidate in Pedagogical Sciences.)

Knizhnaya letopis'
No. 21, 1956. Moscow.

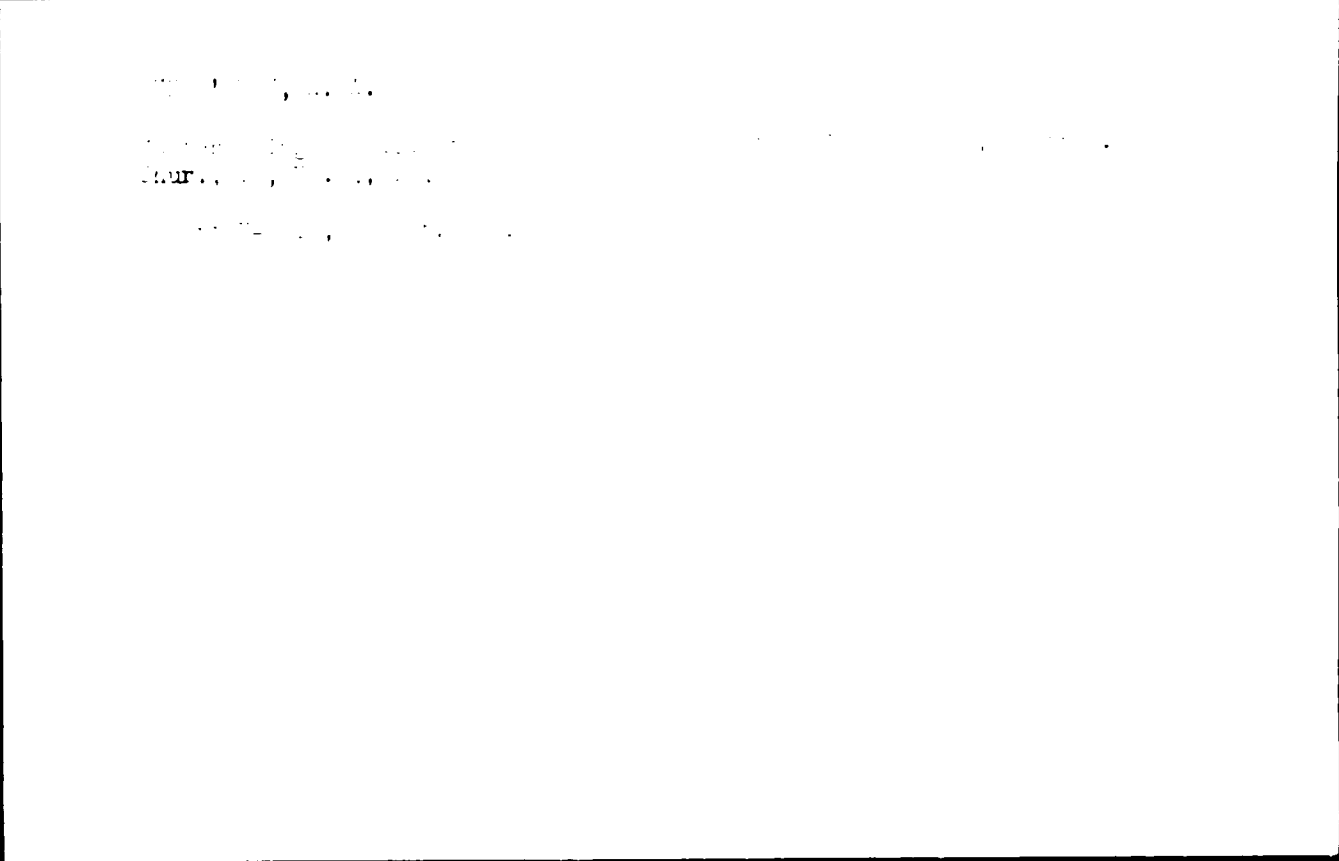
NEFED'YEV, A.A. (Irkutsk)

Doing examinations at home. Mat. v shkole no.6:43-45 II-D '59
(Mathematics--Study and teaching) (MIRA 13:3)

не в дидактич. кн

НЕФЕД'ЯН, А.А. (Irkutsk).

Independent work with the use of the textbook during the lesson.
Mat. v shkole no.1:40-47 Ja-F '58. (MIRA 11:1)
(Mathematics--Study and teaching)



1. WITKOV, A.
2. WIR (600)
4. Wien - titration
7. Deriving values for constants of the physical titration of the acid from the potentiometric observations of Professor V. S. Ivanova. *Anal. Chem.*, No. 12, 1952.

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

NEFED'YEV, A.A.

Libration effect in the radius of the moon. *Astron. tsir.* no.147:
13-15 Nr '54. (MLRA 7:8)

1. *Astronomicheskaya observatoriya imeni Engel'gardta.*
(Moon--Libration)

REFED'YEV, A.A.

Constants of lunar physical libration as derived from A.V.Krasnov's
helioelectric observations. Uch.zap.Kaz.un. 115 no.13:21-111 '55.

(Moon--libration)

(MIRA 10:3)

NEFED'YEV, A.A.

Observing lunar occultations of stars at the Engel'gardt Observatory
in 1954-1955. *Astron. Zh.* no. 167:30-31 P '56. (MLRA 9:9)
(Occultations)

~~REFID: YEV~~

New maps of the moon's relief. Astron. teir. no.176:18-20 Ja '57.
(MIRA 10:6)

1. Astronomicheskaya observatoriya im. Engel'gardta.
(Moon-Photographs, maps, etc.)

REF ID: A. 1., Doc. 1004 in Sci--*Relief*
...
... the Moon in the ... level ...
(Ac d Sci BSR. 1 in Astro-Sci Library, 196 ...)

KOSTYLEV, K.V.; PUPYSHEV, Yu.A.; SKDOROV, V.V.; NEFED'YEV, A.A., prof.,
red.

[Radar equipment for observations of meteors at the Engel'gardt
Astronomical Observatory] Apparatura Astronomicheskoi observatorii
im. Engel'gardta dlia radiolokatsionnykh nabludenií meteorov.
Izd-vo Kazanskogo univ., 1960. 80 p. (Kazan. Universitet. Astrono-
micheskaiá observatoriia. Biulleten', no.35). (MIRA 13:12)
(Radar in astronomy) (Meteors)

NEFOD'YEV, A

Relief Map of the Edge of the Moon on a General Zero Reference Level. New York,
U.S. Joint Publications Research Service, 1960.
273 p. diags., tables (JPRS: 5942) (JG: 60-- 41,649)
Complete translation of the original Russian language monograph: Karty
Rel'yefa Krayevoy Lony Lury Na Obsmechen Nulevom Urovne, Kazan' University, 1956.
Bibliography: p. 161-165.

S/O 35/61/000/009/001/4
A001/A111

AUTHOR: Nefed'yev, A. A.

TITLE: On the work of the astrometric section of the Astronomical Observatory imeni Engel'gardt from December 1965 to May 1968.

PERIODICAL: Referativnyy zhurnal. Astronomiya i Geodeziya, no. 1, 1968, abstract 9A26 ("Tr. 14-y Astrometr. konferentsii SSSR, 1968" Moscow-Leningrad, AN SSSR, 1968, 66-68, Discuss., 68, Engl. summary).

TEXT: Declinations of the $k(3)$ (KSZ) stars in the zone from -90° to $+90^{\circ}$ were determined by means of a meridian circle (5,234 observations were made). The rotation and the figure of the Moon are investigated. The results of many years of work on physical vibration of the Moon are summarized (Sn T. Knatibidze). A new camera for photographing the Moon on the stellar background was mounted. Maps of the lunar edge zone at the zero level are compiled (A. A. Nefed'yev). Later Mooring A and occultations of stars by the Moon are observed. Observations with a 90-mm zenith-telescope were conducted. A new [?] zenith-telescope was installed and carefully investigated. Observations with horizontal pendulums are conducted. Abstracter's note: [Complete translation] I. Polozhentsev ✓

NEFED'YEV, A. A.

1980 11/11 11/11 021/021

Vvedeniye v astrofiziku [Introduction to Astrophysics]

Trudy 14-y Astron. Sessii Akad. Nauk SSSR, 1979, 27-30 p. (1979).
(Translation of the 14th International Conference of the IAU, held in Kiev
27-30 May 1979). Moscow, Izdat. Nauk, 1979. 270 p. Errata slip inserted.
1000 copies printed.

Sponsoring Agency: Akademiya nauk SSSR, Glavnyi astrofizicheskaya Observatoriya
(Pulkovo).

Resp. Ed.: M. S. Zverev, Cor. Ed.: M. S. Zverev, Academy of Sciences USSR; Ed. of
Publishing House: V. K. Shpenik; Rev. Ed.: M. A. Z. Zhuravova.

PURPOSE: The book is intended for use by professional astrophysicists, particularly
those interested in astronomical physics.

COVERAGE: This publication presents the proceedings of the 14th Astronomical
Conference of the IAU, held in Kiev, 27-30 May 1979. It includes 27 reports
and 55 scientific papers presented at the plenary meeting of the Conference.

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Transactions of the 14th Astronomical (Cont.)

SOV/5'21

and at the special sectional meetings. An appendix contains the resolutions adopted by the Conference, the composition of the committees, the agenda, and the list of participants at the Conference. A brief summary in English is given at the end of each article. References follow individual articles. The Presidium of the Astronomical Committee (Chairman M. S. Zverev), which supervised the preparation of this publication, expresses thanks to the members of the secretariat: V. M. Vasil'yev, I. G. Kol'chinskii, A. B. Onegina, and Kh. I. Potter.

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Address by A. A. Mikhaylov, Chairman of the Astronomical Council of the Academy of Sciences USSR

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INFORMATION ON ASTRONOMETRICAL WORK PRESENTED BY VARIOUS INSTITUTIONS

Part 2/25

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| <u>Nefed'yev, A. A. Photographic Observations of the Moon With Markovitz Cameras at the Astronomical Observatory imeni Engel'garit</u> | | 376 |
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HEPIDIYEV, A.A.

Astronomy at Kazan University in the post-October period. Uch.
zap. Kaz. un. 120 no.7:87-109 '60. (MIRA 14:9)
(Kazan University--Astronomy)

NEFED'YEV, A.A.

[Astronomy at Kazan University in the period following the
October Revolution] Astronomiia v Kazanskom universitete
posleoktiabr'skii period. Kazan', Izd-vo Kazanskogo uni~~v~~.
1961. 22 p. (MIRA 16:5)

(Kazan--Astronomy)

3/035/62/000/011005/011
AG01/A101

AUTHOR: Nefed'yev, A. A. -

TITLE: Sixty years of the Astronomical Observatory (ment V. P. Engel'gardt

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 11, 1962, 1 - 5.
abstract 11A26 ("Byui. Astron. observ. im. V. P. Engel'gardta",
1961, no. 36, 3 - 7)

TEXT: The Observatory was established at the Kazan' University in 1911 on the base of astronomical equipment donated to the University by V. P. Engel'gardt (1878 - 1915). Great astronomical and theoretical research works were performed at the Observatory already during the pre-revolution years. In full measure the activities of the Observatory were developed during the Soviet epoch. Important investigations have been performed and still in progress on a number of present problems: observations according to the program of the faint star catalogue (A. I. Nefed'yeva); observations on variability of geographic latitudes (N. A. Chudovicheva et al.); seismic studies (A. K. Ivanova et al.); investigations of the problem of rotation and the shape of the Moon begun already

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Sixty years of the Astronomical Observatory (cont'd)... April 1961

during the first phases of the observatory work (A. V. Kravtsov, T. A. Kuznetsov, I. V. Khevlch et al.) and continuing to the present time (A. A. Yakovlev, I. V. Khevlch, A. A. Nefed'ev); investigations of eclipsing binaries (I. Ya. Martynov, V. A. Krat, A. Sh. Gaynulin, V. I. Lavrov, R. A. Iotsura; in 1957 was published the first volume of extensive bibliography of spectral binaries); work on radar location of meteors and on history of astronomy (S. N. Erytnikov). The Observatory is conducting considerable work on preparing scientific-astronomical personnel and on popularization of astronomy.

V. I. Perevalov

[Abstracter's note: Complete translation]

Card 2/2

L 40980-65
EWT(1)/EWG(v)/EEG(t) Po-4/Pe-3/Pae-2 GW
ACCESSION NR: AR5009007 S/0269/65/000/002/0014/0014

26
B

SOURCE: Ref. zh. Astronomiya. Otd. vyp., Abs. 2.51.136

AUTHOR: Nefed'ev, A. A.

TITLE: Determination of the constant of lunar physical libration by the Cracovians
method

CITED SOURCE: Izv. Astron. Engel'gardtovsk, observ. Kazansk, un-ta, no, 34, 1963,
3-38

TOPIC TAGS: lunar libration, moon, lunar limb, heliometer

TRANSLATION: The analysis of lunar libration observations made with a heliometer has until recently been made using a method which is nonrigorous from the mathematical point of view. Determination of the parameters of physical libration was done in two stages but the use of the least squares method in the second stage is inadmissible because the equations for determination of the unknown parameters are not independent. The Cracovians method is free of this shortcoming and makes it possible to obtain a direct relationship between the measured radius vectors of points on the lunar limb and the sought-for corrections of the parameters. The

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ACCESSION NR: AR5009007

author has applied this method to the analysis of the Kazan' heliometric series of 1938-1945. The article gives a detailed description of the method and tables include initial data and the intermediate values of computations. As a result of the analysis it was found that the libration effect is not manifested in the lunar radius when all data are analyzed. This effect is obtained only with the separate analysis of the two lunar limbs and the corresponding coefficients have different signs. The same result was obtained by K. Kozel' from a 1 1/2- year series of Hartwig's observations at Strasbourg Observatory. For the parameter f , determined nonuniquely, the values obtained were 0.63 and 0.71. The importance of further development of methods unrelated to change of points on the lunar limb is noted. Bibliography of 18 items. Kh. Potter.

ENCL: 00

SUB CODE: AA

llc
Card 2/2

L 02337-67 EWT(1) GW

ACC NR: AR6028398 SOURCE CODE: UR/0269/66/000/005/0020/0020

AUTHOR: Nefed'yev, A. A.

28
B

TITLE: Investigation of topographical maps of the marginal zone of the moon composed by Watts in Washington

SOURCE: Ref. zh. Astronomiya, Abs. 5.51.152

REF SOURCE: Uzh. zap. Kazansk. un-t, v. 125, no. 7, 1965, 58-62

TOPIC TAGS: moon, map, topography, lunar topography

ABSTRACT: Methods are briefly described for making maps of the marginal zone of the moon (Hayn, Weiner, Nefed'yev, Watts, and Pshibylok maps). The degree to which the Watts maps correct the libration effect in the moon radius as a function of latitudinal optical libration is investigated (see RZhAct, 1964, 10.51.484). The results of the determination of the corrections to the ephemeris radius values according to the data from Kazan' heliometric observations (1938-1945), which were corrected by the Watts maps, disclosed the dependence on the latitudinal optical libration with the coefficient of the libration effect at the radius $k = +0",037 \pm 0",008$ and $R_0 = -0",689 \pm 0",032$. On the basis of this, it is concluded that the Watts maps are not made

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UDC: 523.3

L 02337-67

ACC NR: AR6028398

in the spherical plane, however, their accuracy is high, and they coincide with the real outlines of the moon's margin. Bibliography of 11 titles. N. Rizvanov. [Translation of abstract] [NT]

SUB CODE: 03/

ms
Card 2/2

06151-57 EWT(1) GW

ACC NR: AR6025330

SOURCE CODE: UR/0269/66/000,004/0008/0008

AUTHOR: Nefed'yev, A. A.

TITLE: Results and perspectives of study of the physical libration and shape of the Moon

SOURCE: Ref. zh. Astronomiya, Abs. 4.51.75.

REF SOURCE: Tr. 16-y Astrometr. konferentsii SSSR, 1963. M.-L., Nauka, 1965, 98-104

TOPIC TAGS: astronomy, theoretical astronomy, lunar astrometrics, celestial mechanics, moon, moon libration

ABSTRACT: A review of the status of the problem of physical libration and shape of the Moon. There is a difficulty in the theory of Moon libration, namely, that the pertinent differential equation leads in some cases to a resonance phenomenon which is not compatible with observations. S.G. Makover and Sh. T. Khabibulin offered ways for the removal of this difficulty (Ref. Zh. Astr. 1962, 11A114, ref 76). M.D. Polanuer is working on a more rigorous theory. Other difficulties emerge from the method of observation usually used for the determination of constant librations and are related to the necessity of accounting for the unevenness of the Moon's edge. Difficulties appear in assessing such fact as the Yakovkin effect, i.e. the non-symmetry of the northern and southern hemispheres of the Moon, et.c. A methodology dispensing with the measurement of the lunar disk's edge is required. A.A. Yakovkin method is one of these, requi-

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UDC: 521.14/15:523.3

L 06151-67

ACC NR: AR6025330

ring measurements of the position angles between the circle of declination and the circle connecting two lunar craters; also, Shakirov's method, measuring the position of the Mesting crater relative to motionless stars. Research of A.A. Yakovkin and his associates on astrometric methodology for an observer on the surface of the Moon is noted. [Translation of abstract].

SUB CODE: 03

Card 2/2 *HT LE*

NEFED'EV, A. I.
Scientific Control Laboratory, Stavropol Bioplant.
"Rivanol-soda therapy in peritonitis of horses."
SO: Veterinaria 24(3) 1947 p. 35

NEFED'EV, A. I., Director (of the Lab.)
Scientific Control Laboratory, Stavropol Bioplant
"Coal creolin in saline solution in gas chamber, ^{cc} Treatment of mange
of horses."
SO: Vet. 24 (4) 1947, p.40

NEFED'YEV, A. I.

Veterinary Medicine - Horses, Diseases
Medicine - Tetanus, Therapy

Jan 48

"Tetanus Treatment in Horses With Urotropine and Potassium Permanganate," A. I. Nefed'yev, Sci Control Lab, Stavropol' "Biofabriki," 3/4 p

"Veterinariya" No 6

Describes method in detail, giving instances of its successful employment. Further trials should be performed on horses and other animals.

31/4973

NEFED'YEV, A. I.

FA 59/49T82

USSR/Medicine - Veterinary Medicine Jan 49
Medicine - Epizootic Diseases

"Pathogenesis of Sheep Pox," A. I. Nefed'yev,
Dir, Sci Control Lab, Stavropol "Biofabrika,"
2 pp

"Veterinariya" No 1

Sheep pox virus was discovered 4 days after the
onset of the disease in the blood, liver, spleen,
lungs, and kidneys. This corresponds to the time
for temperature reaction and the formation of
a "roseole" in the site of the virus infection.
Maximum virus count is observed on fourth
and fifth day after onset.

59/49T82

NEFED'EV, A. I.,
Stavropol Bioplant, Control Laboratory
"Use of leptospiral vaccine on cattle."
SO: Vet. 26 (8) 1949, p. 25

NEFED'YEV, A. I. *А. И. Неведьев*

USSR/Medicine - Paratyphoid Sheep, Diseases

1950

"Paratyphoid of Sheep and Measures of Controlling It," Prof N. I. Nikolayenko,
Stavropol' Agr Inst, A. I. Nefed'yev, ~~Dr. Vet Med~~, Stavropol' Biological Plant, 1 1/2 pt
"Veterinariya" No 6

Tests virulence of strains of *B. paratyphi abortus ovis* on sheep and results of
various methods of vaccination on resistance of sheep to the disease.

PA 161783

MEFED'YEV, A. I.

Production and utilisation of a hyperimmune serum against paratyphoid in sheep. Trudy Gos.nauch.-kont.inst.vet.prep. 4:317-330 '53. (MLRA 7:10)

1. Stavropol'skaya biofabrika.
(Serum) (Paratyphoid fever) (Sheep--Diseases)

MEMORANDUM, ...

"History of the ..." ...
... Educational ...

Sur. No. 511, of Sur. of ...
Defended at ...

9(4). 6(6)

SOV/112 58 3-4795

Translation from: Referativnyy zhurnal. Elektrotehnika. 1958, Nr 3, p 204 USSR

AUTHOR: Nefed'yev, A. P.

TITLE: Method for Measuring the Spectrum of Noise Produced by a TV Camera Tube With Two-Side Target (Sposob izmereniya spektra shumov, generiruyemykh peredayushchimi televizionnymi trubkami s dvustoronnev mishen'yu)

PERIODICAL: Tekhnika televideniya (M-vo radiotekhn. prom sti SSSR), 1957, Nr 20-22, pp 203-212

ABSTRACT: Measuring noise in the beam current of a TV camera tube is hampered by various induced voltages that have horizontal frequency and that create a line spectrum. To eliminate interference from induced voltages, it is suggested that the measurement of noise spectral density at frequencies over 2 mc, where the line-spectrum intensity of the interference is negligible, be made by narrow-band measuring receivers used as spectrum analyzers. If necessary,

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9(4), 6(6)

SOV/112-58 3 4795

Method for Measuring the Spectrum of Noise Produced by a TV Camera Tube

the measurements could be made at individual points of the range below 2 mc, one can take advantage of the fact that at frequencies which are multiples of $1/\tau$ (where τ is the interference-pulse duration) the interference-spectrum envelope passes through zero. These frequencies can be found experimentally from the spectrum, determined with the cutoff beam. It is suggested that type IP-12 or IP-15 serial interference meters be used for measurements, they should be connected to the output of the video preamplifier. Measurements made on two camera tubes have shown that the noise spectral density can be considered constant within the whole range of TV signal frequencies.

L. A. B.

Card 2/2

6/6 6.6000

3/019/59/000/20/096/111
DC46/D006

AUTHOR Nefed'yev, A.P.

TITLE A Method of Producing a Color Television Signal in a Single-Line System of Spectrozoal Television

PERIODICAL: Byulleten' izobreteniy. 1959, Nr 20, p 27 (USSR)

ABSTRACT: Class 21a¹, 32₂₀- Nr 123199 (599045/26 of 8 May 1958). In this method the luminous flux is split into the color components with the use of a trihedral prism. To obtain two color signals from one pickup tube simultaneously, additional oscillation of the commutating beam is effected in a direction perpendicular to the direction of the lines at the frequency of the elements or at a frequency half the frequency of the lines. Two amplifying channels, connected to the total load resistance of the tube, are simultaneously commutated by the pulses effecting oscillation in the electronic beam.

Card 1/1

Mixed 'y', A 1'

AUTHORS: Nefed'yev, A. I. and Krasser, E. V. SOV-19 58-4 126 503

TITLE: A Two-Sided Target for a TV Transmission Tube
Dvustoronnuyu mishen' televizionnoy peredayishchey trubki

PERIODICAL: Byulleten' izobreteniy, 1958, Nr 4, p. 36. USSR

ABSTRACT: Class Dia³, 34, Nr 112443 1514045 29, 1956. Submitted to the Committee for Inventions and Discoveries at the USSR Council of Ministers. For increasing the storage capacity of a two-sided target of a TV transmitting tube (consisting of a semiconductor film and a limiting grid) and whereby the signal-to-noise ratio is increased, an additional grid is placed in the immediate vicinity of the semiconductor film on the side of the reverse limiting grid which is electrically connected with the latter.

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6(6)

SOV/19-59-3-61/306

AUTHOR: Nefed'yev, A.P.

TITLE: A Pickup Electron-Ray Tube

PERIODICAL: Byulleten' izobreteniy, 1959, Nr 3, p 20-21 (USSR)

ABSTRACT: Class 21a¹, 32⁵⁴. Nr 117824 (576587/A-11040 of 6 December 1954).⁵⁴ Submitted to the USSR Ministry of Radio Industry. A tube as in title for the field-simultaneous color system, using for scanning a beam of high or low-velocity electrons, both with and without the transfer of the electron image, and utilizing either the extrinsic or intrinsic photo-effect. The tube is provided with several signal plates, each of them constituting a system of current-conducting strips. To increase the sensitivity of the tube with a concurrent obtaining of several color signals from each scanning element, the photosensitive surface of the tube consists of separate insulated strips. The strips consist of

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SOV/19-59-3-61/306

A Pickup Electron-Ray Tube

layers with different spectral characteristics,
arranged in such a manner that each scanning ele-
ment covers several of them.

Card 2/2

NEFED'YEV, A. I.

Recent Soviet Patents in the Field of Communications:
"Acquaintance Certificates," (unsigned article); Moscow,
Elektronnyy, No. 4, Apr. 59, pp. 13.

Class 21a¹, 32³⁵, No 115577. B. V. Krusser, I. K. Malakhov and A. P. Nefed'yev. Method for Reducing Internal Noises in Transmitting Television Tubes.

SO: CIA, Sci. Info. Rpt. PB 131891 T 22, 22 May 1959, Uncl.

✓ cited in G. K. Periodic abelian extensions of a group of type p^∞ . Ural. Politehn. Inst. Trudy. 51 (1954), 72-106. (Russian)

If the quotient-group G/A is the direct product of subgroups H_1 and H_2 and if G is the direct product of subgroups H_1 and H , where H_1 is isomorphic to H_1 and $H \supset A$, then H is called a direct factor of the extension G of A by G/A . Let the periodic abelian group O be the direct product of two subgroups of which one, H , does not contain elements of order a power of the prime p which have finite height in H ; if the extension of a complete abelian finitely-layered p -group A by H , which is induced by the extension G of A by O , is a central extension, then H is a direct factor of the extension G . Let the periodic reduced abelian group O be the direct product of a Sylow p -subgroup H and a non-trivial subgroup F ; if there is associated with at least one element of F a non-identity automorphism of a group A of type p^∞ , then the extension G of A by O is a normal extension and $G = H \times (AF)$, where H and F are isomorphic respectively to H and F . Details are provided for the structure of an extension of a group of type p^∞ by a direct product of cyclic groups of orders which are powers of p . R. A. Good (College Park, Md.).

math

RE

NEFED'YEV, G.N.

Equivalence of certain theorems on simultaneous linear inequalities.
Usp.mat.nauk 12 no.4:187-192 J1-Ag '57. (MIRA 10:10)
(Inequalities)

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16.5200

AUTHOR: .efed'yev, G.N.

TITLE: On the theory of convex polyhedra

PERIODICAL: Referativnyy zhurnal. Matematika, no.7, 1960, 220-221.
Abstract no.8284. Tr.Ural'skogo politekhn.inta, 1958,
sb.74, 141-148TEXT: The author proves some theorems on convex polyhedra M given in the n -dimensional Euclidean space E_n as the intersection of the semispaces

$$a_j x \leq h_j \quad (j=1,2,\dots,m). \quad (1)$$

Let e.g. r be the rank of the system (1), let δ be the dimension of the corresponding polyhedron M , let ω be a number, $n-r < \omega < \delta$. Then:
 1) The polyhedron M has sides with the dimension ω ; 2) For every side of the dimension ω there exist sides of the dimension $\omega-1$ and $\omega+1$ contained in it and containing it. 3) If the polyhedron M lies in the δ -dimensional hyperplane $a_{jk} x = h_{jk}$ ($k=1,2,\dots,n-\delta$), the p -th inequality of the system (1) is no sequence of the other inequalities,

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On the theory of convex polyhedra

and the vector a_p cannot be represented as a linear combination of the vectors $a_{j_1}, a_{j_2}, \dots, a_{j_{n-\delta}}$, then the $M(p)$ - the intersection of the polyhedron M with the hyperplane $a_p x = h_p$ - has the dimension $\delta - 1$. ✓

[Abstracter's note: The above text is a full translation of the original Soviet abstract.]

Card 2/2

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FEYGIN, G.D.; NEFED'YEV, N.G.

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