

GRIGOR'YANTS, M.M., podpolkovnik med. sluzhby.

Cases of anicteric leptospirosis in Tajikistan. Voen.-med.shur. no.11:  
80 N 156. (MIRA 12:1)  
(TAJIKISTAN--LEPTOSPIROSIS)

~~GREGORY JAMES, JR.~~ Cond Tech Sci—(diss) "Calculations of the effect of  
*density, compressibility, and viscosity on the pivoting of a*  
~~rod~~ *rod*, *on the pivoting of a rod.*"

W. Riley, 1950. 16 pp (Div of Higher Education Staff, Ministry of Construct-  
ion Engineering Inst), 150 copies (NL, 11-55, 100)

-50-

GRIGOR'YANTS, N.M. (Kar'kov)

Free oscillations of thin plates with calculation of the  
inertia of rotation. Stroi. mekh. i rasch. soor. 3 no.  
3:36-37 '61. (MIRA 14:6)  
(Elastic plates and shells)

23300-66 EWT(d)/EWT(m)/EWP(w)/EWP(v)/EWP(k)/EWA(h)/ETC(m).6 IJF(c) WA/EM

ACC NR: AP6007567 (A) SOURCE CODE: UR/0198/66/002/002/0049/0058

AUTHOR: Grigor'yants, N. M. (Khar'kov)

ORG: Khar'kov Engineering-Construction Institute (Khar'kovskiy inzhenerno-stroitel'nyy institut) 35

TITLE: Equilibrium stability of a cylindrical shell under suddenly applied load 24 B

SCURCE: Prikladnaya mekhanika, v. 2, no. 2, 1966, 49-56 24 B

TOPIC TAGS: shell buckling, shell deformation, cylindrical shell structure, shell structure stability

ABSTRACT: The axisymmetric mode of buckling of a smooth cylindrical shell under a suddenly applied axial load is considered. Both the radial inertial forces and the inertial forces inside the shell surface are included. By using the Galerkin method for a freely supported shell, a system of two nonlinear differential equations is obtained. These are solved approximately with the help of the methods described by V. V. Bolotin (Dinar'cheskaya ustoychivost' uprugikh sistem, GITTL, M., 1956), and equations for the critical loads and corresponding deformation amplitudes are derived. Orig. art. has: 2 figures and 36 formulas.

SUB CODE: 20, 13/ SUBM DATE: 21Apr65/ ORIG REF: 003

Card 1/1 ↙

KULIYEVA, A.K.; GRIGOR'YANTS, O.G.

Treatment of sugar diabetes with diaboral. Zdrav. Turk. 5 no.4:  
24-28 J1-Ag '61. (MIRA 14:10)

1. Iz kafedry propedevticheskoy terapii (ispolnyayushchiy obyazannosti  
zaveduyushchego - A.K.Kuliyeva) Turkmenskogo gosudarstvennogo  
meditsinskogo instituta imeni Stalina.  
(SULFANILOMIDES) (DIABETES)

COUNTRY : USSR  
CATEGORY : Farm Animals. Q  
          : Small Horned Cattle.  
ABS. JOUR. : RZhBiol., No. 6, 1959, No. 25858  
AUTHOR : Grigor'yants, R. I.  
INST. : ~~Uzbek Scientific Research Institute of\*~~  
TITLE : Elaboration of Methods Pertaining to Breeding  
          Work with Karakul Brown Sheep.  
ORIG. PUB. : Tr. Uz. n.-1. in-ta zhivotnovodstva, 1957,  
          vyp. 2, 105-113  
ABSTRACT : In a purebred flock selection must be conducted according to the basic hair color (dark, of a medium shade) in combination with the average dimension of the curl and the strength of the animal's constitution. Brown sheep which were obtained through homogenous pairing do not differ from black Karakul sheep and also, homogenous pairing does not lower strength and viability of brown sheep offspring. -- K. Ya. Tarasova

CARD: 1/1  
          \*Animal Husbandry.

46

GRIGORYANTS, R. L.

GRIGORYANTS, R. L. -- "The Ferment of Hyalines During Acute Epidemic  
Conjunctivitis." Turkmenian Sci Res Trachoma Inst, Ashkhabad, 1956.  
(Dissertation for the Degree of Candidate of Medical Sciences)

SC: Krizhnaya Letopis' No 44, October 1956

EXCERPTA MEDICA Sec.12 Vol.12/2 Ophthalmology Feb. 53

GRIGORYANTS, R.L.

262. SOME DATA ON THE TREATMENT OF ACUTE EPIDEMIC CONJUNCTIVITIS (Russian text). Grigoryants R. L. TRUD. TURKMEN TRAKH. INST. 1956, 4 (75-78)

Of 183 patients with acute epidemic conjunctivitis seen at the clinic, the vast majority (150) were children aged under 5 years. Instillations of 1% synthomyacin emulsion under the lid were made twice daily in 64 patients, and a cure was obtained in 5.7 days on average, although the conjunctival hyperaemia persisted beyond that time. In 29 cases of mild forms of the disease a 1:500 solution of furacillin was instilled twice daily. Cure was obtained in 4.2 days on average, but in 9 individuals the treatment was unsuccessful. In 31 cases a 30% albucid solution was instilled and 30% albucid ointment or powdered albucid applied twice daily. Cure was obtained in 5 days on average. In 25 cases norsulphazol was given orally, with concurrent bathing of the conjunctival sac with a mild antiseptic lotion. Norsulphazol was prescribed 6 times a day in dosages according to age. Cure was obtained in 4.3 days. Instillations of penicillin (30,000 U. per ml.) were used in 34 cases, and in severe cases i.m. injections of penicillin were given in addition. The instillations were done every 2 hours after preliminary bathing of the conjunctivae. Cure was obtained in 4.1 days on average. With concomitant administration of penicillin locally and by i.m. injections cure was obtained in 3.5 days. For severe cases the author advocates penicillin therapy combined with oral norsulphazol. (S)



EXCERPTA MEDICA Sec.12 Vol.12/2 Ophthalmology Feb. 53  
~~GRIGORYANTS R.L.~~

227. ANTIBACTERIAL SUBSTANCES AGAINST THE PATHOGENETIC ORGANISM OF ACUTE EPIDEMIC CONJUNCTIVITIS (KOCH-WEEKS) OBTAINED BY THE METHOD OF INDUCED ANTAGONISM (Russian text). Gleiberman E. Ya., Grigoryants R.L. and Bogdanovich M.I. TRUD. TURKMEN TRAKH. INST. 1956, 4 (79-83)

The investigations were based on the fundamental principles of Schiller's doctrine of induced antagonism. The nutrient-deficient medium was seeded simultaneously with yeast cultures and Koch-Weeks bacilli. Addition of glucose to the medium produced the most favourable conditions for the growth of the yeast. The bacilli in the deficient medium were incubated in a thermostat at a temperature of 22-25°, the most favourable for yeast. When the fermentation had ceased, the fluid was cleared of the bacilli and tested for the presence of antibacterial bodies against Koch-Weeks bacillus. A determined amount of Koch-Weeks bacilli was added to 0.5 ml. of the fluid. After 1-24 hours the medium was centrifuged, then subcultures were made on selective media and smears for bacterioscopic examinations. After 1-2 hours of

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mixing the filtrate with the Koch-Weeks bacilli suspension, a distinct reaction of agglutination was observed. On bacterioscopic examination changes in the morphological and staining properties of the bacilli were noted. When seeding was done on nutrient media, inhibition of growth as compared with the control was observed. If the mixture of filtrate and bacillary suspension was left for a longer time, lysis of the bacilli occurred. Growth did not occur on nutrient media. By this method 50 series of lysins were obtained. If 0.5 ml. of lysin was mixed with Koch-Weeks bacilli for 24 hours standing, dissolution of the bacillary bodies in amounts of 1-1.2 milliards ensued. The lysins have bactericidal properties also in respect of other microbes (*C. diphtheriae*, *M. pyogenes*). They retain their activity over long periods. In control experiments the lysin proved to be non-toxic; side-effects were not seen. The lysin was administered to 17 patients with signs of acute conjunctivitis by instillation into the conjunctival sac every 2 hours. The average duration of treatment was 6-7 days. In no case could the pathogen be detected following recovery, both microscopically and bacteriologically.

(S)

EXCERPTA MEDICA Sec.12 Vol.12/2 Ophthalmology Feb. 53  
ГЛАВНОЕ УЧЕБНОЕ ЗАВЕДЕНИЕ

228. HYALURONIDASE ACTIVITY OF THE PATHOGENIC AGENT OF EPIDEMIC CONJUNCTIVITIS (KOCH-WEEKS BACILLUS) (Russian text). Grigor'yants R.L. TRUD.TURKMEN TRAKH.INST. 1956, 4 (91-95)

It is now established that a number of pathogens produce hyaluronidase. When subjected to the influence of hyaluronidase the colloid state of the basic argyrophil substance undergoes changes and vascular and tissue permeability increases, so favouring spread of infection. The question whether hyaluronidase is present in the Koch-Weeks pathogen had not been studied prior to the present work. The author cultured the Koch-Weeks bacillus on Leventhal's medium at 28-30°. On to the culture, grown on Levelthal's slope agar, 2-3 ml. distilled water was poured and the whole was placed in a thermostat. After 24 hours the washing of the culture was poured into another test-tube. This was tested by the reaction for hyaluronidase, using Smirnov's modification of MacLean's method. The extract was poured into 5 test-tubes in amounts of 0.5, 0.4, 0.3, 0.2 and 0.1 ml. To these a working dose of hyaluronic acid was added and distilled water up to 1 ml. mark. The 6th tube, which served as control, contained hyaluronic acid and distilled water. After incubation for 15-20 min. in the thermostat and cooling in ice-water for 5 min., 2 drops of 15% acetic acid were added. The presence of hyaluronidase was established by the lysis of the mucinous coagulum of hyaluronic acid. In this way it was demonstrated that cultures of Koch-Weeks bacillus are capable of producing hyaluronidase. The investigation was carried out with 21 Koch-Weeks cultures, 17 of which were obtained from patients with acute epidemic conjunctivitis and 4 from carriers. The author holds that under the influence of hyaluronidase the barrier functions of the conjunctiva undergo some change and the permeability of the tissues increases, thus favouring the acute development of the pathological process.

(5)

EXCERPTA MEDICA Sec.12 Vol.12/2 Ophthalmology Feb. 53

~~GRIGORYANTS~~

264. THE HYALURONIDASE ACTIVITY OF WASHINGS FROM THE CONJUNCTIVAE IN ACUTE EPIDEMIC CONJUNCTIVITIS (Russian text). Grigoryants  
R. L. TRUD. TURKMEN TRAKH. INST. 1956, 4 (97-101)

Investigations were carried out on 118 patients with acute epidemic conjunctivitis, with 40 trachoma patients and 28 healthy people as controls. Most of the acute epidemic conjunctivitis cases were in children up to 7 years of age (73%). The disease was mild in 33, moderately severe in 49 and decidedly severe in 36 subjects. Method of investigation: distilled water was instilled via a sterile pipette into the conjunctival sac and the washings were collected in test-tubes to amounts of 1.5-2 ml. These were put in a thermostat for 24 hours at a temperature of 37°. Hyaluronidase was determined by MacLean's method as modified by Smirnov. A preliminary microscopic examination was made. The diagnosis of acute epidemic conjunctivitis was confirmed in 39% of mild cases, in 57.1% of moderately severe cases, and in 66.6% of severe cases. Hyaluronidase was found in 72.7% of mild cases, in 75.7% of cases of average severity, and in 83.3% of severe cases. Thus, the enzyme hyaluronidase is found in acute epidemic conjunctivitis more often than the Koch-Week

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bacillus is detected on microscopic examination. Forty-eight patients had follow-investigations. It was found that the Koch-Weeks bacilli disappear in an average of 2.5 days and the hyaluronidase is present in washings from the conjunctiva for 4.2 days, with an average duration of the affection for 4.8 days. The hyaluronidase determination test can serve as a pointer to the efficacy of treatment. Among 10 patients with trachoma the hyaluronidase determination test was positive in 5 only, and these had clinical symptoms of a secondary infection. Among healthy subjects the Koch-Weeks bacillus and a positive hyaluronidase test were found in a single case.

(S)

GRIGOR'YANTS, R.L.

Results of the control of epidemic conjunctivitis in Turkmenistan.  
Trudy Turk.nauch.-issl.trakh.inst. 6:123-125 '60. (MIRA 15:11)  
(TURKMENISTAN--CONJUNCTIVITIS)

AKRAMKHODZHAYEV, A.M.; AKHMEDZHANOV, M.A.; BABAYEV, A.G.; BABAYEV, K.L.;  
BATALOV, A.B.; BASHAYEV, N.P.; BAYMUKHAMEDOV, Kh.N.; BRAGIN,  
K.A.; BORISOV, O.M.; GABRIL'YAN, A.Sh.; GAR'KOVETS, V.G.;  
GOR'KOVY, O.P.; GRIGORYANTS, S.V.; IBADULLAYEV, S.I.; ISMAILOV,  
M.I.; ISAMUKHAMEDOV, I.M.; KAKHKHAROV, A.; KENESARIN, N.A.;  
KRYLOV, M.M.; KUCHUKOVA, M.S.; LORDKIPANIDZE, L.N.; MAVLYANOV,  
G.A.; MOTSOIKINA, T.H.; MALAKHOV, A.A.; MIRBABAYEV, M.Yu.;  
MIRKHODZHIIYEV, I.M.; MUSIN, R.A.; NABIYEV, K.A.; PETROV, N.P.;  
POPOV, V.I.; PLATONOVA, N.A.; RYZHKOV, O.A.; SAYDALIYEVA, M.S.;  
~~S~~ERGUN'KOVA, O.I.; SLYADNEV, A.F.; TULYAGANOV, Kh.T.; UKLONSKIY,  
A.S.; KHAMRABAYEV, I.Kh.; KHODZHIBAYEV, N.N.; CHUMAKOV, I.D.;  
SHAVLO, S.G.

Khabib Mukhamedovich Abdullaev; obituary. Uzb.geol.zhur. 6  
no.4:7-9 '62. (MIRA 15:9)  
(Abdullaev, Khabib Mukhamedovich, 1912-1962)

PHASE I BOOK EXPLOITATION

SOV/4958

Grigor'yants, Vladilen Grigor'yevich

Fiksatory urovnya (Clamping Circuits) Moscow, Voenizdat M-va  
obor. SSSR, 1960. 76 p. No. of copies printed not given.  
(Series: Radiolokatsionnaya tekhnika)

Ed.: A. V. Vrublevskiy, Engineer, Lieutenant Colonel; Tech.  
Ed.: N. A. Bukovskaya.

PURPOSE: This booklet is intended for military personnel  
concerned with the operation of radar units and components.  
It can also be used by the general reader interested in  
this field.

COVERAGE: The booklet describes in popular form the arrange-  
ment, principle of operation, and use of clampers in var-  
ious systems and applications of pulse technique. No  
personalities are mentioned. There are no references.

Card 1/3



PHASE I BOOK EXPLOITATION SOV/5978

Grigor'yants, Vladilen Grigor'yevich

Vvedeniye v kurs radiolokatsionnoy apparatury (Introduction to the Course on Radar Equipment) [Moscow] Izd-vo Mosk. univ., 1962. 177 p. Errata slip inserted. 12,000 copies printed.

Ed.: G. S. Gol'denberg; Tech. Ed.: M. S. Yermakov.

PURPOSE: This textbook is intended for use in an introductory theoretical course on radar principles in nonspecialized schools of higher education. It is especially intended for beginning students in radar engineering.

COVERAGE. Special attention is given to the most widely used pulse radar systems. Some information concerning the structure and operation of individual components of radar stations is given. The author thanks B. M. Duduchav and V. L. Eyzerman. There are 14 references, all Soviet.

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Introduction to the Course (Cont.)

SOV/5978

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Bibliography

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AVAILABLE: Library of Congress

SUBJECT: Radar

RZ/wrc/mas  
8-24-62

Card 5/5

GRIGOR'YANTS, Vladilen Grigor'yevich; VRUBLEVSKIY, A.V., red.;  
SRIBNIS, N.V., tekhn. red.

[Engineering indices of radar stations] Tekhnicheskie pokazateli radiolokatsionnykh stantsii. Moskva, Voenizdat, 1963.  
238 p. (MIRA 16:12)

(Radar)

GRIGOR'YANTS, S.V.

Classification and genesis of Devonian carbonate rocks in  
the Pashsha-Ata and Kassan-say basins. Trudy Sred.-Az.  
politekh.inst. no.12:153-155 '61.

(MIRA 18:12)

VAYNSHTEYN, Ye.S., kand. med. nauk; GRIGOR'YANTS, T.N., klinicheskiy  
ordinator

Comparative evaluation of various methods of estimating the  
location of foreign bodies by means of nonskeletal photo-  
graphs. Oft. zhur. 18 no.7:403-408 '63 (MIRA 17:4)

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo instituta  
glaznykh bolezney imeni Gel'mgol'tsa.



VILENKINA, A.Ya., doktor med. nauk; SAKSONOVA, Ye.O.;  
GRIGOR'YANTS, T.N.; ARIYEVICH, A.M., prof.;  
STEPANISHCHEVA, Z.G., doktor biolog. nauk

Aspergillosis of the cornea. Vest. oft. 76 no.3:55-56  
My-Je '63. (MIRA 17:2)

1. Institut glaznykh bolezney imeni Gel'mgol'tsa i Tsentral'-  
nyy kozhno-venerologicheskiy institut.

AM1021938

BOOK EXPLOITATION

s/

Grigor'yants, Vladilen Grigor'yevich

Technical indicators of radar stations (Tekhnicheskiye pokazateli radiolokatsionny\*kh stantsiy), Moscow, Voenizdat, 238 p. illus., biblio. Errata slip inserted. 13,000 copies printed.

TOPIC TAGS: radar, radar antenna, radar receiver, radar transmitter, radar scanning

PURPOSE AND COVERAGE: The book considers the basic parameters of the operation of radar stations. Ways of determining the parameters, basic formulas, and a brief presentation on the physical basis of each of the parameters are given. A great deal of attention is given to an analysis of the effect of the technical parameters of a station on its tactical operation. The book is intended for officers who use radar and also for students in special military schools.

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GRIGOR' YANTS, V. K.

GRIGOR' YANTS, V. K. -- "Early Diagnosis and Treatment of Asthenia in Birth Activity." Cand Med Sci, Kazakh Medical Inst imeni V. K. Molotov, 9 Feb 54. (Zakazhstanokaya Pravda, 28 Jan 54)

SO: SUM 168, 22 July 1954

GRIGOR'YANTS, V.Kh.,  
BUDNIK, Yu.; GRIGOR'YANTS, V.Kh.

Infection with brucellosis of ocular patients according to data of  
the ophthalmologic clinic of the Molotov Tashkent Medical Institute.  
Vest.oft. 30 no.1:13-14 Jan-Feb 51. (GLML 20:6)

1. Senior laboratory workers. 2. Of the Eye Clinic (Director--Hon-  
ored Worker in Science Uzbek SSR Prof. P.F. Arkhangel'skiy), Tashkent  
Medical Institute imeni V.M.Molotov.

GRIGOR'YANTS, V.Kh.

Prevention of postoperative complications following cavity operations  
on the eyeball. Med.shur.Uzb. no.12s67-70 D '58. (MIRA 13:7)

1. Iz glasnoy kliniki (sav. - dotsent T.Ya. Kasymov) Tashkent-  
skogo gosudarstvennogo meditsinskogo instituta.  
(NYE--SURGERY)

GRIGOR'YANTS, V.K., kand.med.nauk

Management of the pathological placental period. Zirav. Kazakh.  
21 no.1:32-36 '61. (MIRA 14:3)

1. Iz kafedry akusherstva i ginekologii (zav. - professor K.D.Utegenova)  
Kazakhskogo meditsinskogo instituta.  
(PLACENTA--DISEASES)

*Grigor'yants, V.V.*

109-10-13/19

AUTHORS: Vasneva, G.A., Gaygerov, B.A., Grigor'yants, V.V.,  
Yelkin, G.A., and Zhabotinskiy, M.Ye.

TITLE: Phase-lock Automatic Frequency Control of Klystrons by  
means of a Molecular Oscillator (Fazovaya avtopodstroyka  
klistrona po molekulyarnomu generatoru)

PERIODICAL: Radiotekhnika i Elektronika, 1957, Vol.II, No.10,  
p. 1300 (USSR).

ABSTRACT: The frequency of a 2.5 cm, 10 mW klystron was stabilised  
by means of a molecular oscillator. A second harmonic of the  
klystron and the signal of the molecular oscillator were applied  
to a balanced mixer and the resulting difference-frequency  
signal was applied to a phase detector. A signal from a quartz  
stabilised oscillator, operating at 50 Mc/s, was also fed to  
the detector. The output voltage of the detector was applied to  
the reflector of the klystron, as a result of which the klystron  
had a pull-in bandwidth of 0.15 Mc/s and a synchronisation  
bandwidth of 0.5 Mc/s. There are 6 references, 5 of which are  
Slavic.

ASSOCIATION: The Institute of Radio-engineering and Electronics  
Ac.Sc. USSR (Institut radiotekhniki i elektroniki AN SSSR)

~~Card 1/2~~

*Submitted June 1957*

SOV-120-58-1-25/43

AUTHORS: Grigor'yants, V. V. and Zhabotinskiy, M. Ye.

TITLE: The Design and Construction of Thermostats of High Accuracy (Raschet i konstruirovaniye termostatov vysokoy tochnosti)

PERIODICAL: Pribery i Tekhnika Eksperimenta, 1958, Nr 1, pp 106-109 (USSR)

ABSTRACT: A thermostat is defined as a system with automatic regulation. Two methods of regulating temperature are known: continuous and discontinuous. The discontinuous temperature control has been sufficiently well studied (Refs.1, 2). However, only one paper (Ref.3) has so far appeared on the continuous temperature control. A schematic diagram of a continuous action thermostat is given in Fig.1. The thermostat works as follows: the bridge is balanced at the working temperature  $T_0$ . At the same time the furnace produces power  $P$  which ensures that this internal temperature is  $T_0$  while the external temperature remains  $T_{ext}$ . When the  $T_{ext}$  changes, the temperature  $T_0$  inside the thermostat

Card 1/3



SOV-120-58-1-25/43

The Design and Construction of Thermostats of High Accuracy.

also changes and this leads to unbalance of the bridge. This appears as a signal at the input of the amplifier, is amplified, and then applied to the circuit which controls the power dissipated in the furnace. In this way any change in temperature may be compensated. Although the temperature is thus re-established, nevertheless, a small error is introduced and this depends on the construction and the parameters of the thermostat. An expression for this relation is derived. The power produced in the furnace consists of three parts: one part is used up in maintaining the temperature difference  $T_0 - T_{ext}$ , the second part is used up in heating up the furnace, and the third enters the working volume, heats it and is partly transmitted to the bridge which also warms up. The accuracy of the regulation and the stability of the system is then considered and expressions are derived to represent them. Using these relations it is possible to obtain optimum values for the thermostat parameters. Using these values a thermostat has been constructed which gives a constant temperature to within  $\pm 0.001^\circ\text{C}$ . The electrical circuit is shown in detail in Fig.2. G. P. Barykin is

Card 2/3

SOV-120-58-1-25/43

The Design and Construction of Thermostats of High Accuracy.

thanked for his co-operation. There are 2 figures and 3 references, of which 2 are Soviet and 1 is English.

ASSOCIATION: Institut radiotekhniki i elektroniki AN SSSR  
(Institute of Radio Engineering and Electronics, Academy of Sciences USSR)

SUBMITTED: April 5, 1957.

1. Thermostats--Design
2. Thermostats--Performance
3. Thermostats  
--Circuits

Card 3/3

VASNEVA, G.A.; GRIGOR'YANTS, V.V.; ZHABOTINSKIY, M.Ye.; KLYSHKO, D.N.;  
SVERDLOV, Yu.L.; SVERCHKOV, Ye.L.

Circuit for comparing the frequencies of quartz and molecular  
oscillators. Izv.vys.ucheb.sav.; radiofiz. 1 no.2:185-187 '58.  
(MIRA 11:11)

1. Institut radiotekhniki i elektroniki AN SSSR.  
(Oscillations)

007-100-3-4-20/28

AUTHORS: Vasneva, G. A., Grigor'yants, V. V., Zhabotinskiy, M. Ye.,  
Klyshko, D. N., Sverdlov, Yu. L. and Sverchkov, Ye. I.

TITLE: Frequency Standard with a Molecular Oscillator (Reper  
chastoty s molekulyarnym generatorom)

PERIODICAL: Radiotekhnika i Elektronika, 1958, Vol.5, Nr 4,  
pp 569-570 (USSR)

ABSTRACT: Description and block diagram are given of a molecular  
oscillator which was employed for the calibration of  
quartz crystals operating at a frequency of 1 Mc/s. The  
frequency of the oscillator was compared with the  
23,558th harmonic of the frequency of the investigated  
crystal and an accuracy better than  $10^{-9}$  was attained.  
There is 1 figure and 2 references, one of which is Soviet  
and 1 English.

ASSOCIATION: Institut radiotekhniki i elektroniki AN SSSR (Institute  
of Radio Engineering and Electronics of the AS USSR)

SUBMITTED: December 3, 1957

1. Oscillators--Applications 2. Quartz crystals--Calibration

Card 1/1

21443

S/109/61/006/001/022/023  
E140/E163

9,2582 (incl. 2105)

AUTHORS: Grigor'yants, V.V., and Zhabotinskiy, M.Ye.

TITLE: Ammonia molecular generator operating without liquid nitrogen

PERIODICAL: Radiotekhnika i elektronika, Vol.6, No.1, 1961, pp. 175-177

TEXT: This note discusses the pumping requirements of an ammonia molecular oscillator operating without a liquid nitrogen trap, developed by the present authors and G.A. Vasneva (Refs. 1, 2). Signal to noise ratios in the order of 10 - 20 are found for various forms of trapless oscillators, as against 25 - 40 when liquid nitrogen traps are used.

Acknowledgements are expressed to I.N. Orayevskiy and G.P. Barykin for their participation in the experiments; G.A. Semenov is mentioned.

There are 2 figures, 1 table and 2 Soviet references.

SUBMITTED: July 12, 1960

Card 1/1

X

20584 ✓

S/109/61/006/002/016/023  
E140/E435

9,2585

AUTHORS: Grigor'yants, V.V. and Zhabotinskiy, M.Ye.

TITLE: Molecular Frequency Standard With Subtraction of Reference Oscillator Error

PERIODICAL: Radiotekhnika i elektronika, 1961, Vol.6, No.1, pp.321-328

TEXT: The article concerns a system for using the molecular frequency standard to stabilize reference oscillator frequency and phase without the use of a feedback loop. The simplified schematic of the system is given in Fig.1, where 1 is the molecular oscillator, 2 is a frequency multiplier  $xn$ , 3 is the crystal reference oscillator, 4 is a frequency divider  $n$ . The article concerns a practical realization of the system using two klystrons and a quartz-crystal reference oscillator, giving output at centimeter, decimeter and meter wavelength. Circuits are described which are claimed to measure the phase fluctuations of the resulting signal without the need of an external standard. No numerical data are given in the article insofar as concerns the operating frequencies, multiplication

Card 1/2

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E140/E435

Molecular Frequency ...

factors etc. There are 7 figures and 10 references: 8 Soviet and 2 non-Soviet.

ASSOCIATION: Institut radiotekhniki i elektroniki AN SSSR  
(Institute of Radioengineering and Electronics AS USSR)

SUBMITTED: March 1, 1960

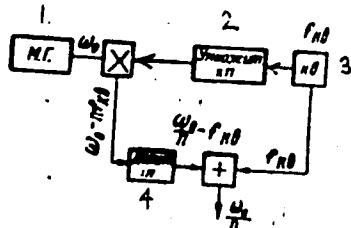


Fig.1.

Card 2/2

GRIGOR'YANTS, V.V.; ORAYEVSKIY, I.N.

Compensation method for measuring the efficiency of the  
use of a molecular beam. Radiotekh. i elektron. 7  
no. 12:2088-2089 D '62. (MIRA 15:11)  
(Masers)



GRIGOR'YANTS, V.V.; ZHABOTINSKIY, M.Ye.

Orifice for obtaining fine-calibrated gas flows. Izv. tekh.  
no.12:44-45 D '63. (MIRA 16:12)

GRIGOR'YANTS, Vil' Valentinovich; SHIPULINA, L.M., red.

[Extended plan of a lecture on the subject: "Quantum electronics - a new field of physics"] Razvernutyi plan lektsii na temu: "Kvantovaya elektronika - novaia oblast' fiziki." Moskva, Izd-vo "Znanie," 1964. 11 p.  
(MIRA 17:10)

L 21410-66 FBD/EWT(1)/EEC(k)-2/T/EWP(k)/EWA(h) I.P.(c) MG  
ACC NR: AP6009845 SOURCE CODE: UR/0413/66/000/004/0036/0036

INVENTOR: Grigor'yants, V. V.

ORG: none

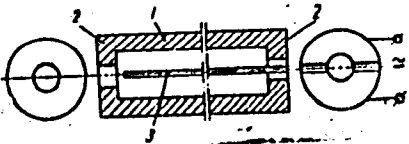
TITLE: Maser resonator. Class 21, No. 178875 [announced by the Institute of Radio Engineering and Electronics, AN SSSR (Institut radiotekhniki i elektroniki AN SSSR)]

SOURCE: Izobreteniya, promyshlennyye obratzsy, tovarnyye znaki, no. 4, 1966, 36

TOPIC TAGS: maser, resonant cavity

ABSTRACT: The <sup>25/48</sup>maser resonant cavity shown in Fig. 1 consists of a waveguide section shorted at both ends by end caps with openings for passage of the molecular beam. The maser by virtue of its construction may be magnetically tuned. The re-

Fig. 1. Maser resonator



1 - Waveguide section; 2 - metal end caps with openings; 3 - longitudinal slit.

Card 1/2

UDC: 621.373.413:621.373

I. 21410-66

ACC NR: AP6009845

sonant cavity is cut longitudinally in two halves. The two half-cylinders of the cavity are joined by a connector, to which the control voltage is applied. Orig. art. has: 1 figure. [BD]

SUB CODE: 09/ SUBM DATE: 11Sep64/ ATD PRESS: 4221

Card 2/2 ULR

L 16426-66 EEC(k)-2/EWA(h)/EWP(k)/EWT(1)/FBD/T SCTB/IJP(g) WG  
ACC NR: AP6003564 SOURCE CODE: UR/0109/66/011/001/0152/015.

AUTHOR: Grigor'yants, V. V.; Mazurov, Yu. A.

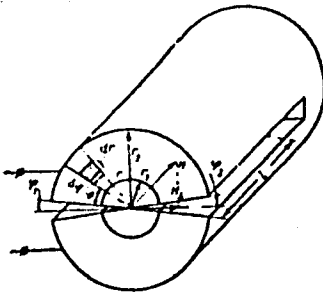
ORG: none

TITLE: Resonator for tuning maser <sup>2544</sup> by means of Zeeman modulation

SOURCE: Radiotekhnika i elektronika, v. 11, no. 1, 1966, 152-154

TOPIC TAGS: maser, maser tuning, Zeeman maser tuning

ABSTRACT: The present use of brass or copper resonators essentially affects the relative frequency stability of a maser because these resonators have a rather poor temperature coefficient of frequency as compared to that of invar resonators. To remedy this situation, a new design (see figure) is suggested in which the resonator can be made from invar, steel or other magnetic material and yet the maser can be magnetically tuned. The effect is achieved by a split resonator, the slits extending longitudinally from one end to within a few millimeters from the other end. This design permits using the resonators as a single-turn coil for producing, inside the resonator,



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B

Card 1/2

UDC: 621.378.33

L 16426-66

ACC NR: AP6003564

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a magnetic field perpendicular to the resonator axis. A formula for calculating the field is presented. These three resonators were experimentally investigated:

	$r_2$	$r_1$	$l$	Gap	Material
1	1.4 cm	0.5 cm	5 cm	0.4 mm	steel
2	1.25	0.5	5	2	steel
3	1.4	0.5	5	0.4	brass

Plots of magnetic field vs. modulating current, resonator length (distribution), and angle with respect to the slit plane are presented. It was found that the longitudinal slit practically does not affect the resonator Q-factor at its principal mode and simultaneously suppresses spurious modes. Orig. art. has: 4 figures and 4 formulas.

[03]

SUB CODE: 20 / SUBM DATE: 31Mar65 / ATD PRESS: 4205

Card 2/2 *not*

SAMELOV, N.G.; GRIGOR'YANTS, Ye.Kh.

Study of the fauna and ecology of some groups of Coleoptera  
in the districts of the Nukha-Zakataly zone of Azerbaijan.  
Trudy Inst. zool. AN Azerb. SSR 23:4-38 '64.

(MIRA 17:9)

GRIGORYANTS, Yu.M.

Centralized repair of measuring equipment. Izv.tekh. no.11:61  
N '62. (MIRA 15:11)  
(Measuring instruments--Maintenance and repair)



BORISOV, V.M.; GRIGORYANTS, Yu.M.

Specialized repair of measuring equipment in the Lower Volga  
Economic Region. Izv. tekh. no.12:48-51 D '64. (MIRA 18:4)

GRIGOR'YANTS, Z.G.

Secondary processes of mineral formation in sediments of the  
Apsheron stage in the Kura Lowland. Trudy AzNII DN no.10:164-  
167 '60. (MIRA 1414)  
(Kura Lowland--Mineralogy)

DAIDBEKOVA, E.A.; BABAYEVA, R.S.; GRIGOR'YANTS, Z.G.; KURBANOVA, F.M.;  
IBRAGIMOVA, B.M.; SHAMAILOVA, O.D.

Granulometric types of rocks and allothigene minerals. Trudy  
GIN no.115:29-67 '65. (MIRA 18:12)

GRIGOR'YEV, A.

All-Polish "Press-Foto" Exhibition. Sov. foto 23 no.4:17-18 Ap  
'63. (MIRA 16:5)

(Photography--Exhibitions)

GRIGOR'YEV, A., inzh.

Using electroosmosis. Na stroi. Ros. 3 no.10:12 0 '62.  
(MIRA 16:6)

(Vorkuta—Frozen ground)  
(Electroosmosis)

CHIRKOV, A.

USSR/Radio Receivers  
Radio Equipment

Mar 49

"The Radiofication of Fishing Villages,"  
A. Grigor'ev, 1 p

"Radio" No 3

For radiofication of the villages, the receiver-PA unit VTU-20 is being used. This is supplied from an anemoelectric unit. Practice showed that these receiver-PA units supplied power for 10 months with 8-hour daily operation (in Jul and Aug, these anemoelectric units did not operate).  
Kolkhozes of the North Caspian, the Aral Sea

41/497105

USSR/Radio Receivers (Contd)

Mar 49

and Lake Balkhash, and kolkhozes of Kola Peninsula and far Far'yan-Far have all been radio-equipped.

41/497105

USSR/Electronics - Radio receivers

Card 1/1 Pub. 89 - 19/29

Authors : Grigor'ev, A.

Title : A simple grid-detection radio receiver of the O-V-1 type

Periodical : Radio 9, 45-47, Sep 1954

Abstract : The design, assembly, and operation of a simple grid-detection radio receiving set of the O-V-1 type are explained. The following parts are dealt with and described in detail: 1) R-F choke-coil; 2) output transformer; 3) power transformer; 4) filter-choke; 5) cabinet and chassis, and 6) antenna. The method of testing the assembled receiver is also described. General circuit diagram; drawings.

Institution : ...

Submitted : ...

GRIGOR'YEV, A.; KAMENITSER, S.

Measuring labor productivity in industrial enterprises. Sots. trud  
5 no.5:24-31 My '60. (MIRA 13:11)  
(Moscow--Productivity accounting)



GRIGOR'YEV, A.

The plans are various, the essence is aggressive. Voен.-znan.  
41 no.12:47 D '65. (MIRA 18:12)

RUMYANTSEV, A.F.; YEFIMOV, A.N.; TEPLOV, G.V.; LOKSHIN, Ye.; KARPENKO,  
A.P.; GRIGOR'YEV, A.; FILIPPOV, V.F.; PERESLEGIN, V.I.;  
VOLODARSKIY, L.M.; RIIKOJA, L., red.; JUHANI, I., red.;  
EINBERG, K., tekhn. red.

[Economy of socialist industrial enterprises; textbook]So-  
tsialistlike toostusettevotete ekonomika: opik. Tallinn, 1961.  
435 p. (MIRA 16:1)  
(Estonia--Industrial management)

GRIGOR'YEV, A.

Vietnam, firing ground of aggressors. Voen. znani. 42 no.2:  
35-37 F '66. (MIRA 19:1)

REISEPTOR, Ya. (g.Moskva); SHAKIROV, O.; NOAK, A.; SEREBRYANIKOV, G.,  
ekonomist; KHAIT, M.; FILIPPENKO, A.; SULEYMANOV, A. (Dagestan-  
skaya ASSR); ~~GRIGOR'YEV, A.~~; DZHURINSEIY, N. (g.Kishinev);  
MALYUKHA, L. (g.Klin); POLISHCHUK, I. (g.Pervoural'sk,  
Sverdlovskoy obl.); GRIZODUB, Yu. (G.Frunze); CHIGAREV, A.

Letters to the editors. Sots. trud 6 no. 1:136-141 Ja '61.  
(MIRA 14:1)

1. Glavnyy inzh.shakhty No. 31 tresta Kirovugol', g.Karaganda  
(for Shakirov).
  2. Nachal'nik planovogo otdela shakhty No. 31  
tresta Kirovugol', g. Karaganda (for Noak).
  3. Glavnyy bukhgalter  
stroitel'nogo upravleniya "Tyazhmashstroy", g.Kranatorsk, Sta-  
linskoy obl. (for Khait).
  4. Nachal'nik otdela truda i  
zarabotnoy platy vol'skogo zavoda "Metallist" (for Filippenko).
  5. Nachal'nik otdela truda i zarabotnoy platy leningradskogo  
zavoda "Kinap" (for Grigor'yev).
  6. Pavinskiy l'nozavod  
Kostromskoy oblasti (for Chigorev).
- (Wage payment systems) (Industrial management)

GRIGOR'YEV, Aleksandr Aleksandrovich; BORSHCHEVSKAYA, S.I., red.;  
~~ONOSHKO, N.G., tekhn. red.~~

[In response to a challenge] Tam gde trudnee. Leningrad,  
Lenizdat, 1961. 76 p. (MIRA 15:11)  
(Leningrad—Textile workers)

GOLICHOV, Boris Andreyevich; NIKOLAYEV, Konstantin Georgiyevich;  
BEL'CHUK, G.A., kand. tekhn. nauk, rezensent; GRIGOR'YEV,  
A.A., kand. tekhn. nauk, nauchn. red.; SOSIFATOV, G.A.,  
red.

[Properties of welded joints in mild steels] Svoistva svar-  
nykh soedinenii korpusnykh staley. Leningrad, Sudostroenie,  
1964. 239 p. (SIRA 12:8)

GRIGOR'YEV, A-A-

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Heat-exchanger design. A. A. Grigor'ev. *Trudy Moskov. Inst. Khim. Mashinostroeniya* 1950, No. 2 (Whole No. 10), 32-66. — A collection of principles and design equations for sizing and building exchangers. Mech. construction features covered include: tube spacing and pass arrangement, expansion allowance, shell thickness, thermal stresses, threaded and welded flange design, tube sheet thickness, and dished end covers. H. J. Kandiner

Chemical Abst.  
vol. 48 No. 8  
Apr. 25, 1954  
General and Physical Chemistry

GRIGOR'YEV, A.A., inzh.

Studying the process of compression of a layer of hay-straw materials. Trakt. i sel'khoz mash. no.8:19-20 Ag '64. (MIRA 17:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokho-zyaystvennogo mashinostroyeniya.



GRIGOR'YEV, A.A., kandidat tekhnicheskikh nauk; VASYUNIN, S.V., inzhener.

Conference devoted to problems of tolerances in the construction of  
ship hulls. Sudostroyeniye 22 no.6:47 Je '56. (MLBA 9:9)  
(Hulls (Naval architecture)) (Shipbuilding)

GRIGOR'YEV, A.A., kandidat tekhnicheskikh nauk; VASYUNIN, S.V., inzhener.

Measures for reducing the number of fitting operations in building  
ship hulls. Sudostroenie 22 no.12:24-26 D '56. (MLRA 10:2)  
(Hulls (Naval architecture))

GRIGOR'YEV, A.A.

PHASE I BOOK EXPLOITATION

286

Grigor'yev, Aleksandr Andreyevich, Sidorenkov, Anatoliy Nikolayevich.

Mestnyye svarochnyye deformatsii tonkolistovykh konstruktsiy i mero-priyatiya po ikh umen'sheniyu (Local Deformations of Welded Thin-sheet Structural Elements and Ways of Minimizing Them) Leningrad, Sudpromgiz, 1957. 127 p. 3,000 copies printed.

Scientific Ed.: Dormidontov, F.K.; Tech. Ed.: Levochkina, L.I.

**PURPOSE:** The book is intended for designers, technicians, and skilled workers who participate in the development of methods used in the fabrication of thin-sheet welded structures.

**COVERAGE:** The special features of local welding deformations in thin-sheet structures are considered, as well as the influence of various design and technological factors on the magnitude of the deformations. Suggestions are given on ways of minimizing local deformations for consideration in the design and preparation of thin-sheet structures; specific examples are presented for the selection of the elements of thin-sheet structures and of the optimum sequence in their preparation.

Card 1/8

Local Deformations of Welded Thin-sheet Structural (Cont.)

The authors consider some of their conclusions not final; they state that additional theoretical and experimental research is required. The data mentioned in the book are the result of theoretical investigation and of observations and measurements of deformations which occurred in the manufacture of industrial designs. In addition, some results of the investigations of Professor N.O. Okerblom, Doctor of Technical Sciences, and I.P. Baykovaya, Candidate of Technical Sciences, were used. Chapters I, III, and V were written by A.N. Sidorenkov, chapters II, IV, and VI by A.A. Grigor'yev. The book contains 76 figures and 13 references, all USSR.

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AVAILABLE: Library of Congress (TS227.G795)	

Card 8/8

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May 27, 1958

GRIGOR'YEV, A.A.

Recent successes in studying central Yakutia. Probl. Sev. no.7:172-187  
'63. (MIRA 17:2)

TRIPLET, A.S.

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NS: Unclassified

50: LC, Soviet Geography, Part II, 1951, Unclassified

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DIC: AE55.B6

Cst-H      CtY      ICU      NN      NHC      NRU

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GRIGOR'EV, Andreĭ Aleksandrovich, 1863-

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DLC: Unclass.

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DLC: HC487.K3G7

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ICU MH NN NHC DLC: G606.G7

SO: LC, Soviet Geography, Part I, 1951, Uncl.

ZENKOVICH, V.P., doktor geogr. nauk; GRIGOR'YEV, A.A., akademik, otv.  
red.; SHPAK, Ye.G., tekhn. red.

[Dynamics and morphology of seashores] Dinamika i morfologiya  
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processes] Volnovye protsessy. 1946. 495 p. (MIRA 15:2)  
(Coast changes) (Waves)

GRIGOR'YEV, A. A.

"Some Results from the Development of New Ideas in Physical Geography,"  
Izvestiya akademi nauk (News (?) of the Academy of Sciences), Geographical  
and Geophysical Series, No 2, 1946.

PROCESS AND PROPERTIES INDEX

1950  
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AMS/A+B

10-01 331.501.01

*Udner, A. A. - Geograficheskiye usloviya razvitiya i kharakteristiki raditsionnoy osvesheniya na gorizonte fiziko-geograficheskikh zon. (On geographical radiation zones and characteristic radiation conditions of horizontal physico-geographic zones.) *Prilozheniya Prikladnoy Geografii*, 12:11-31, 1946. 11 tables, 6 refs. DLC--In recognition of the fact that radiation conditions are the most important factors in physico-geographical processes, the author has devised a classification scheme based on the average effective incoming radiation in eight geographic zones. Detailed tables show actual radiation (g cal.) received on a horizontal surface at numerous places in various latitudes and longitudes, and the classification on the author's eight point scale (1-8) which would apply to each place for any given month. The wide variation in conditions along any parallel of latitude at any season is thus clearly seen; in some cases being much more pronounced than the meridional or seasonal variation. The author recognizes that the observational material used as criteria for this classification is not very accurate, so the scale has been drawn rather crudely. *Subject Headings: Radiation zones, Radiation variations, Climatic zones.* -M.R.*

ASO-51A METALLURGICAL LITERATURE CLASSIFICATION

10000 01 10100 019 0-0 001 01111 011

GRIGOR'YEV, A. A.

Circulation of the Atmosphere during the Period of Maximum Glaciation  
as a basis for reconstructing the climate of the Ice Age.  
Trudy Inst. Geogr. #37, 1946

SO: Trudy Arkitcheskogo Nauchno-Issledovatel'skogo Instituta, GUSMP,  
Council of Ministers, Vol 201, 1948

1. GRIGOR'EV, A. A.
2. USSR (600)
- h. Geology and Geography
7. Problems of Ancient Glaciation of Northeastern USSR, D. K. Kolosov, A. A. Grigor'ev (editor). (Moscow-Leningrad, Press of the Main Administration of the Northern Sea Route, 1947.) Reviewed by N. N. Sokolov, Sov. Kniga, No. 1, 1949.



BTR

8348 *Prigoda Goroda Moskvy i Podmoskovia*. (Nature of the City of Moscow and Its Environs). V. A. Grigorev and G. D. Bikhler, editors. 378 pages. 1947. Geographic Institute, Academy of Sciences of the U.S.S.R. Moscow and Leningrad. (HC335 G87p)  
Discusses in detail the geography, geology, climate, and flora and fauna of the Moscow area and the city itself. Maps, tables, and photographs.

1. GRIGOR'EV, A. A.; MESHCHERINOV, I. I.
2. USSR (6 6)
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G. GRIGOR'YEV, A. A.

26r28

PA 26128

USSR/Geography  
Permafrost

Sep/Oct 1947

"Thirty Years of Progress of Soviet Physical  
Geography," A. A. Grigor'iyev, 22 pp

"Is Ar Rank SSSR, Ser Geog i Geofiz" Vol XI, No 5

This article lists the more important discoveries  
and inventions of Soviet sciences for a period of  
30 years in the field of physical geography. Such as  
various types of information on permafrost, such as  
depth of the permafrost and its distribution in the  
Soviet Union. Also contains a short account of  
progress with regard to continental water. Submitted  
26r28

USSR/Geography (Contd) Sep/Oct 1947

at the Institute of Geography, Academy of  
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