"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

ALFEROVA, Ye

USSR/Cultivated Plants. Potatoes. Vegetables. Melons. M

Abs Jour: Ref Zhur-Biol., No 5, 1958. 20311.

Author : P.I. Bobryshev, Ye. Alferova, A. Goloshchapova, V. Semenova.
Inst : Stavropol' Agricultural Institute
Title : The Effect of Side Dressing on Potato Productivity. (Vliyaniye podkormki na urozhaynost' kartofelya).

Orig Pub: Sb. nauchno-issled. rabot stud. Stavropol'sk. s.-kh. in-t, 1956, vyp. 4, 47-48.

Abstract: At the test site of the Stavropol' Agricultural Institute the boost in the potato harvest through the application of NPK in side dressing during various periods did not exceed 10%; the yield was somewhat increased by the supplemental feeding of N during budding.

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L 45522-66 EWT(1) IJP(c) AT/JM

ACC NR: AR6013706 SOURCE CODE: UR/0058/65/000/010/H066/H066

AUTHOR: Sushkin, M. G.; Alferova, Ye. V.; Bash, Yu. M.; Perezhogin, M. I.

TITLE: Graphic construction of the trajectory of electrons in a magnetron gun

SOURCE: Ref. zh. Fizika, Abs. 10Zh444

REF. SOURCE: Tr. Vses. n.-i. in-ta elektroterm. oborud., vyp. 1, 1965, 50-65

TOPIC TAGS: magnetron, electron motion, electron optics, electron gun

ABSTRACT: The possibility is considered of using a magnetic field to focus the electrons in powerful (up to 100 kW) magnetron guns for electronic heating. In this case the anode voltage can be reduced to 10 -- 15 kV; the requirements on the accuracy of the installation of the anode and the cathode are also less stringent. For a consistent design of the optical system, a graphic method has been developed for constructing the electron trajectories (ET) in superimposed homogeneous and inhomogeneous electric and magnetic fields with axial symmetry. The ET are constructed in the meridional plane by the radius-of-curvature method, $R = f(r, z)$, and the plane itself is rotated together with the electron at an angular velocity $\dot{\varphi} = f(t)$. An advantage

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L 45522-66
ACC NR: AR6013706

of the method is the possibility of calculating the ET not only in the regions near the axis, but also at arbitrary distances away from the axis. The calculated ET is in good agreement with the electron beam observed in a model. A shortcoming of the method is that the calculations are complicated and unwieldy. M. Mayer. [Translation of abstract]

SUB CODE: 20, 09

Card 2/2

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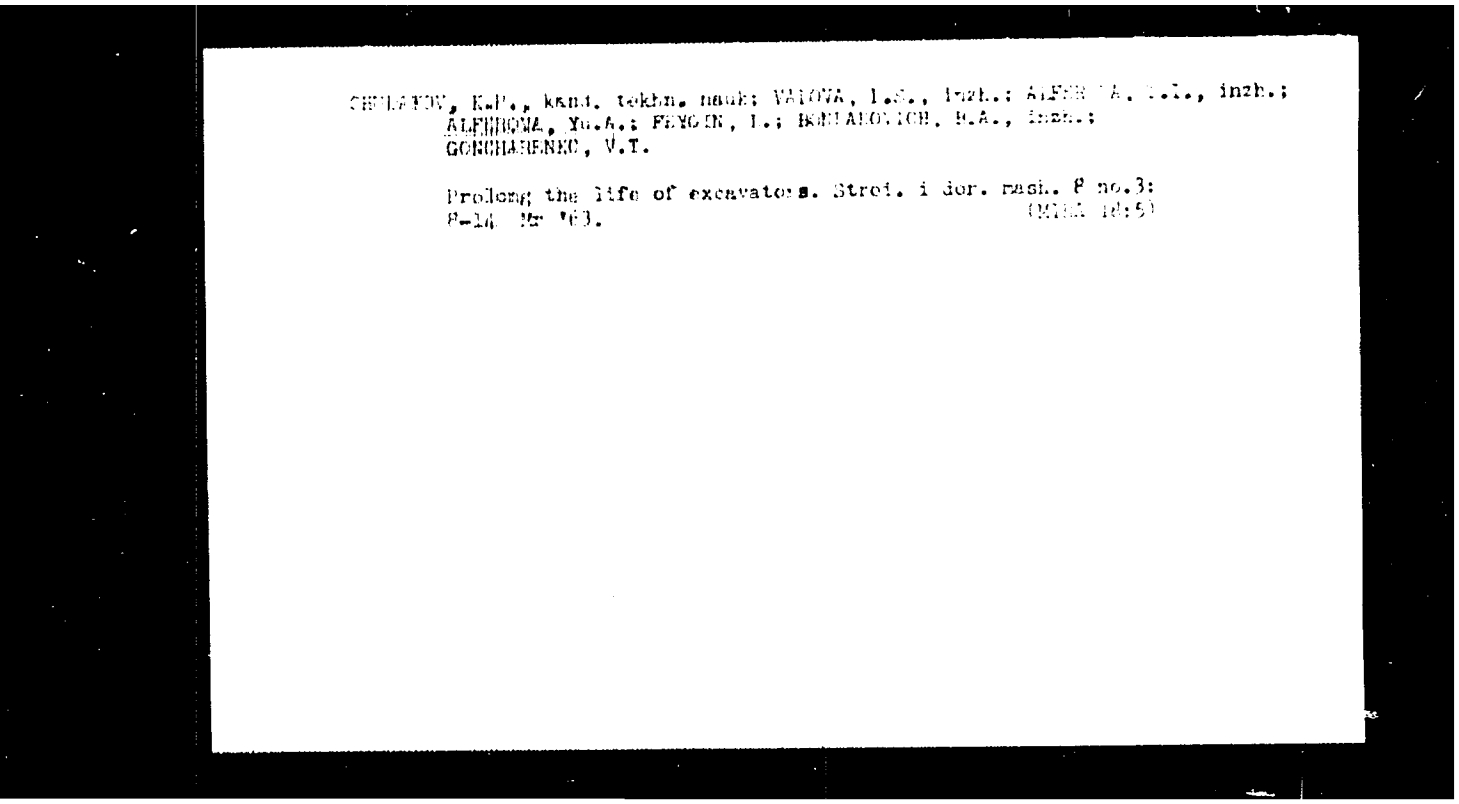

CHULAKOV, K.P., kand. tekhn. nauk; VALOVA, I.S., inzh.; ALFEROVA, I.I., inzh.; ALFEROVA, Yu.A.; FEYGIN, I.; BONIAKOVICH, B.A., inzh.; GONCHARENKO, V.T.

Prolong the life of excavators. Stroi. i dor. mash. 8 no.3: 8-14 Mr '63. (MIRA 18:5)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

ALFEROVA, Z. V.

PHASE I BOOK EXPLOITATION SOV/5027

Nauchno-issledovatel'skiy institut schetnogo mashinostroyeniya

Voprosy rascheta i konstruirovaniya elektronyykh vychislitel'nykh mashin, vyp. 1, (Problems of the Calculation and Design of Electronic Computers, v. 1) Moscow, Mashgiz, 1960. 194 p. Errata slip inserted. 8,000 copies printed.

Ed.: N.Ye. Kobrinskiy, Doctor of Technical Sciences; Ed. of Publishing House: A.G. Akimova; Tech. Ed.: B.I. Model'; Managing Ed. for Literature on Machine Building and Instrument Construction: N.V. Pokrovskiy, Engineer.

PURPOSE: This collection of articles is intended for scientists and technicians working in computing-machine building and related fields.

COVERAGE: This collection of articles presents the results of investigations related to the design and development of electronic computers. It examines the realization of some general and special algorithms by means of digital and analog computers, investigates errors in the realization of functional relationships in electronic analogs, and reviews problems of computing and designing the external outfits and arrangement of digital computers based on various principles of operation. Methods of computation and the basic characteristics of stabilized supply sources for digital and analog computers,

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methods of computing standard circuits, and problems related to their reliability are examined. No personalities are mentioned. References accompany some of the articles.

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PART I. GENERAL PROBLEMS OF COMPUTER DESIGNING

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Neslukhovskiy, K.S. [Possibilities of] Using Electronic Computers for the Mass Processing of Statistical Data 24

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Belova, A.I., I.M. Vitenberg, E.A. Gluzberg, and A.I. Kozlova. Additional Possibilities of Mathematical Electrical Analogs 57

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APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

ALFEROVA, Z. V.

"Features of Programming of Economic Problems With a Computer"

presented at the All-Union Conference on Computational Mathematics and Computational Techniques, Moscow, 16-28 November 1961

So: Problemy Kibernetiki, Issue 5, 1961, pp 289-294

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

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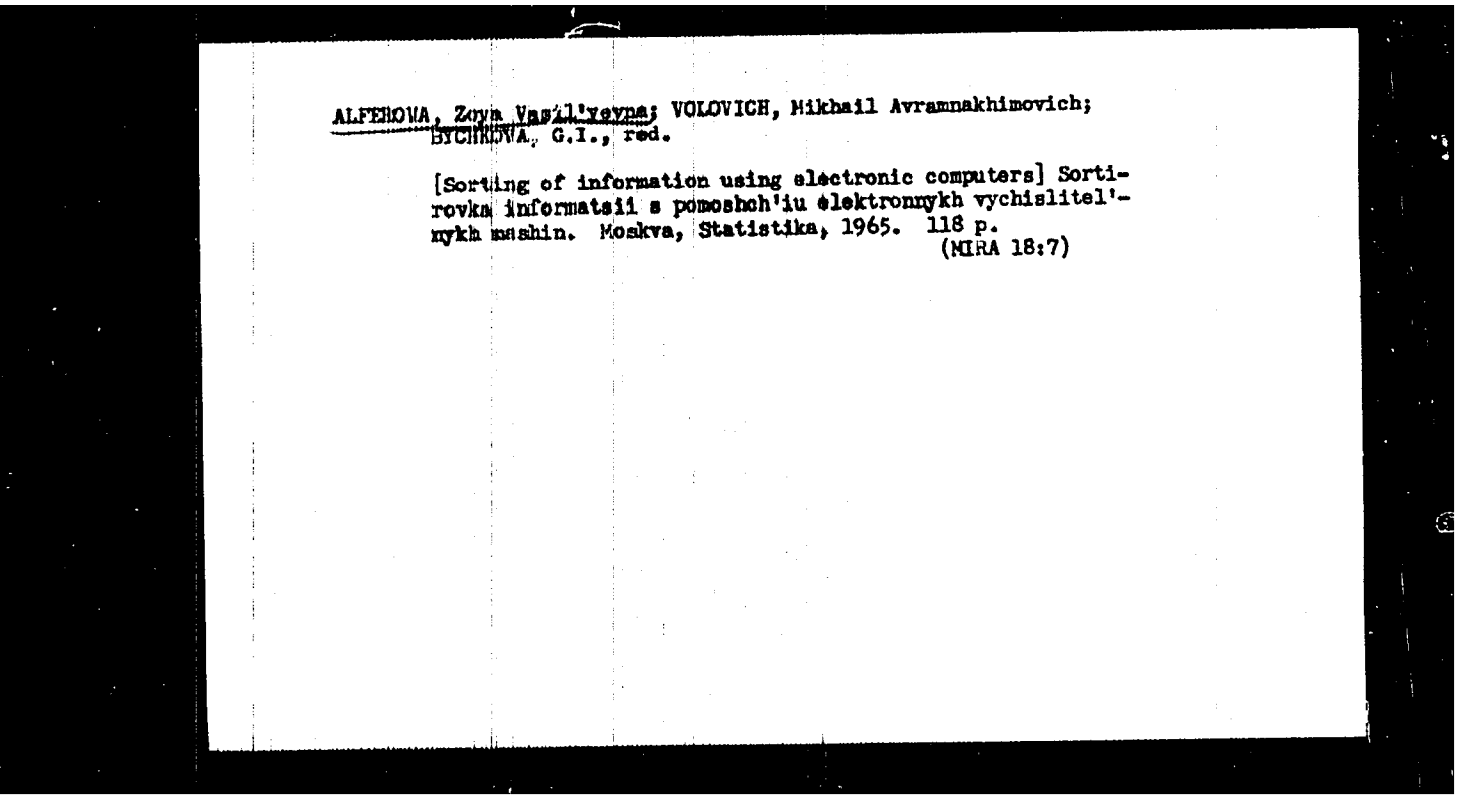

ALFEROVA, Zoya Vasil'yevna; VOLOVICH, Mikhail Avramnakhimovich; BYCHKOVA, G.I., red.

[Sorting of information using electronic computers] Sortirovka informatsii s pomoshch'iu elektronnykh vychislitel'nykh mashin. Moskva, Statistika, 1965. 118 p. (MIRA 18:7)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

NAZAROV, V.V.; ALFEROVA, Z.V.; ROZHNOV, V.S., dots., kand. ekon. nauk; retsenzent; RYAZANKIN, V.N., prof., kand. tekhn. nauk, red.

[Programming economic problems on electronic computers; from practices in using the "Era" computer in the I.A. Likhachev Automobile Plant] Programmirovanie ekonomicheskikh zadach na elektronno-vychislitel'nykh mashinakh; iz opyta ekspluatatsii mashiny "Era" na avtozavode im. I.A.Likhacheva. Moskva, Mashinostroenie, 1965. 156 p. (MIRA 18:6)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

15-57-12-17243

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 12, p 76 (USSR)

AUTHORS: Alferovskaya, M. M., Mosevich, N. A.

TITLE: Data on the Mechanical and Chemical Soil Analysis at Lake Ladoga (Materialy k mekhanicheskomu i khimicheskomu sostavu gruntov Ladozhskogo ozera)

PERIODICAL: Izv. Vses. n.-i. in-ta oz. i rech. ryb. kh-va, 1956, Vol 38, pp 43-52

ABSTRACT: Bibliographic entry

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

ALFER'EV, A. Ya.

Luninsko-Kiselevskoe dvizhenie; pervye itogi i perspektivy vnedreniia luninskikh metodov v rabotu sudovykh komand v parokhodstve kanala Moskva-Volga. /Lunin-Kiselev movement; the first results and prospects for application of its methods in the work of the ship crew and steamship line of Moscow-Volga Canal/. Moskva, Izd-vo Narkomrechflota SSSR, 1945. 81 p. illus., ports
"Prikazy i polizhenia/": p. 3-6, 73-76. DLC: HE675.15K3A6

SO: Soviet Transportation and Communication, A Bibliography, Library of Congress, Reference Department, Washington, 1952, Unclassified.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

ALFER'YEV, A.Ya., laureat Stalinskoy premii.

[Maintenance and repair of marine engines and equipment] Metody tekhnicheskogo kontrolia za sudovymi mekhanizmami. Moskva, Izd-vo Ministerstva rechnogo flota SSSR, 1950. 87 p. (MLRA 7:2)
(Ships--Maintenance and repair)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

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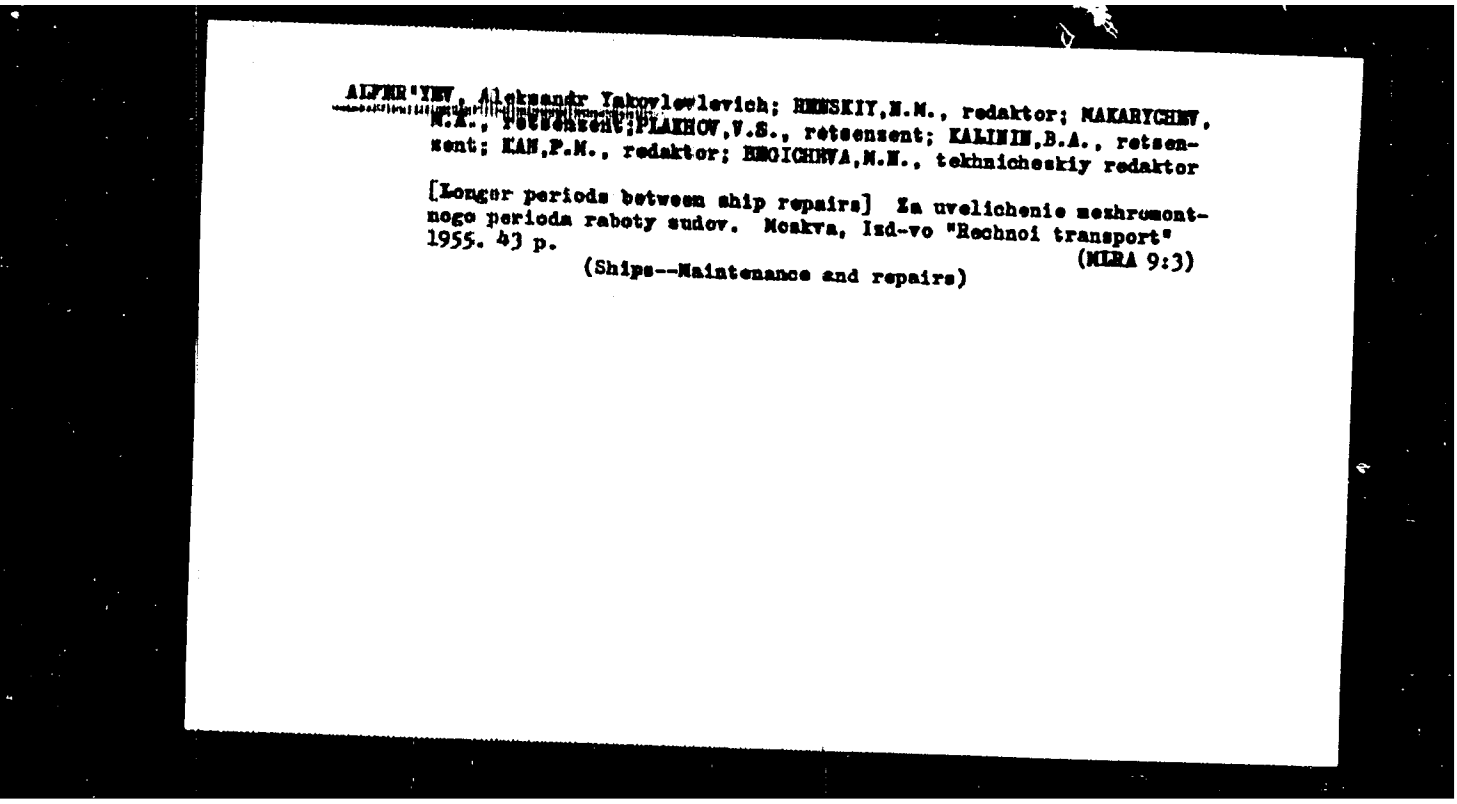

ALFER'YEV, Aleksandr Yakovlevlevich; HENSKIY,N.M., redaktor; MAKARYCHEV, M.A., redaktor; PLAKHOV,V.S., retsenzent; KALININ,B.A., retsenzent; KAN,P.M., redaktor; KHOICHEVA,M.N., tekhnicheskiy redaktor

[Longer periods between ship repairs] Za uvelichenie mezhremontnogo perioda raboty sudov. Moskva, Izd-vo "Rechnoi transport" 1955. 43 p. (MLRA 9:3)

(Ships--Maintenance and repairs)

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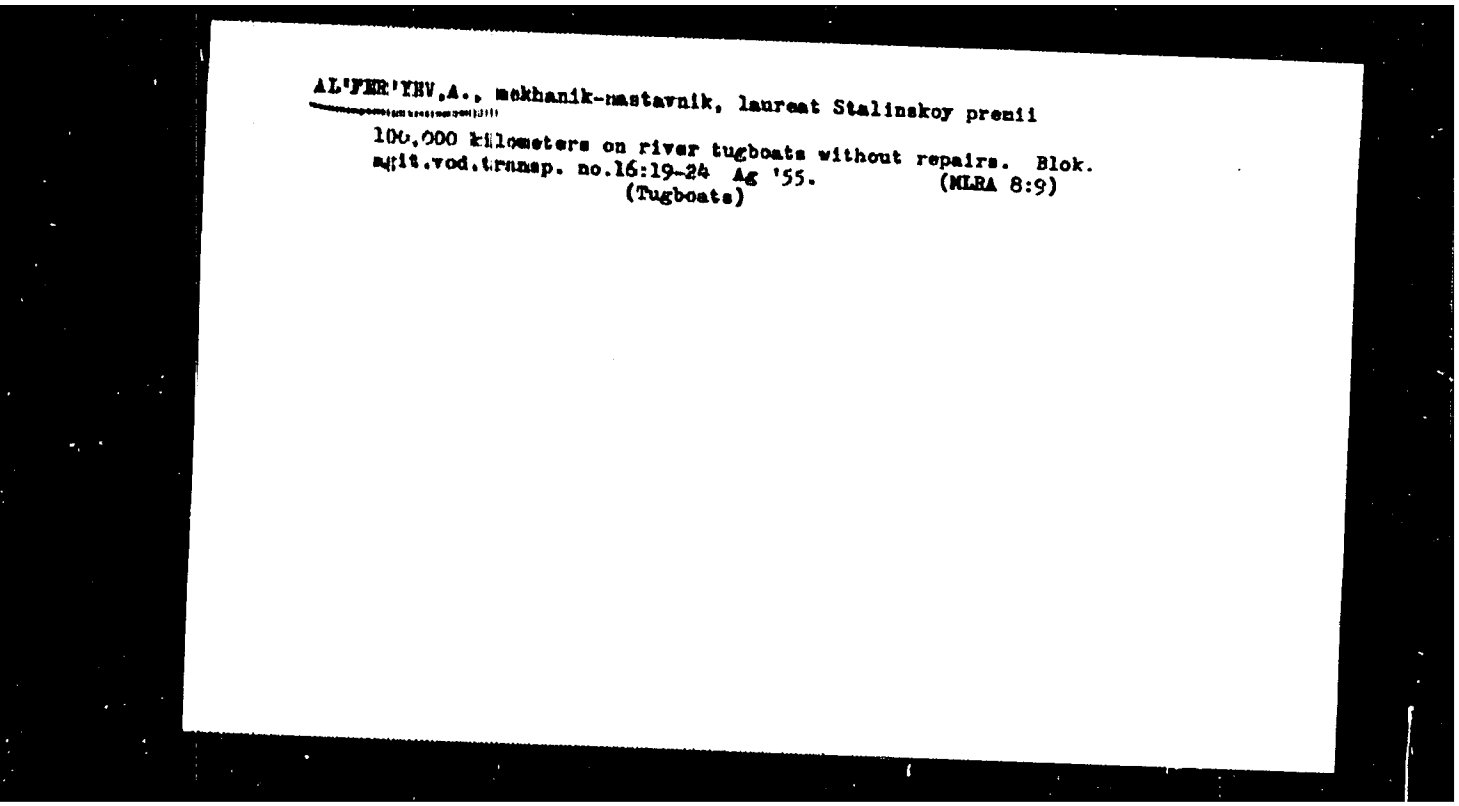

AL'FER'YEV, A., mekhanik-nastavnik, laureat Stalinskoy premii

100,000 kilometers on river tugboats without repairs. Blok. avtom.vod.transp. no.16:19-24 Ag '55. (MLRA 8:9)
(Tugboats)

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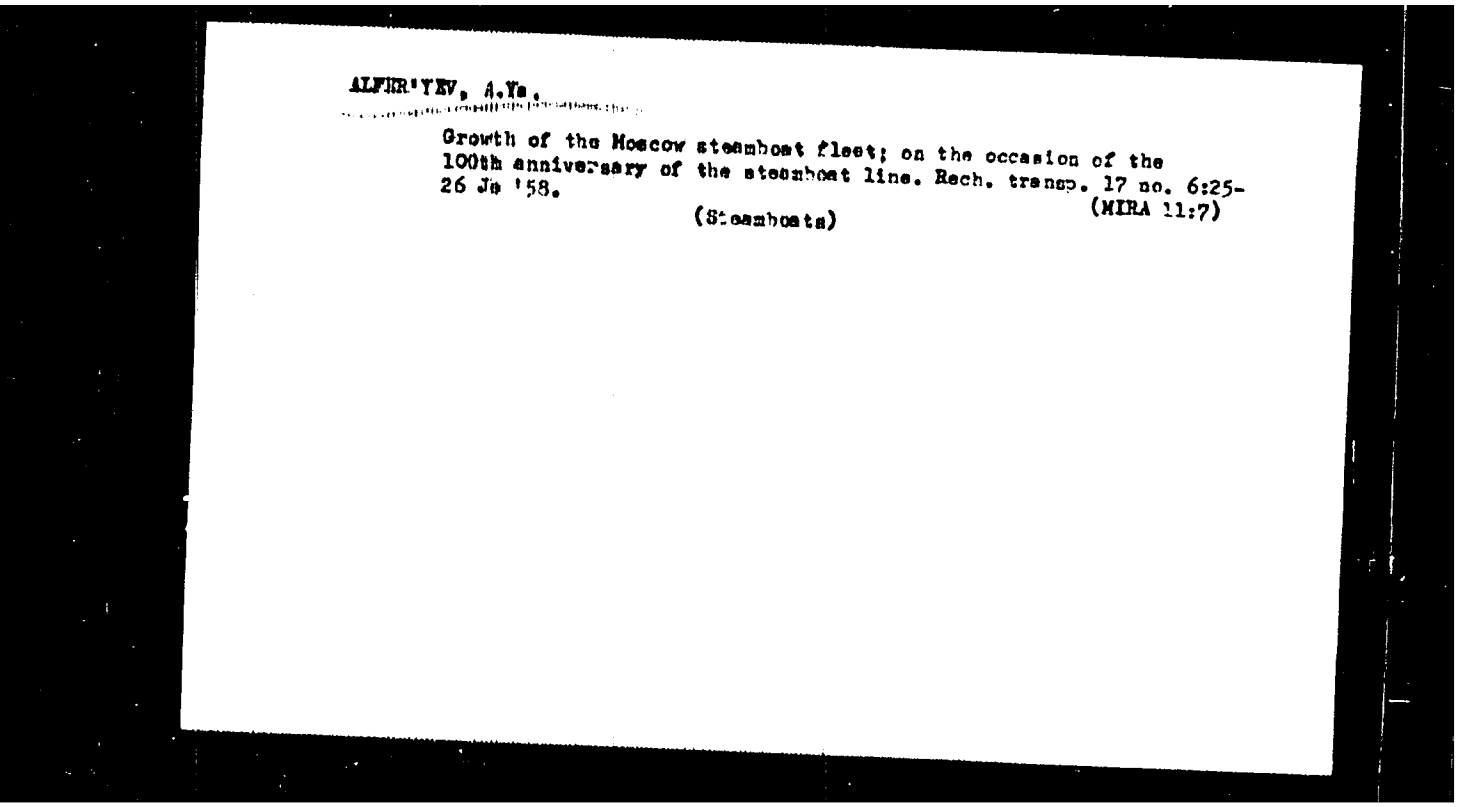

ALFIR'YEV, A.Ya.

Growth of the Moscow steamboat fleet; on the occasion of the 100th anniversary of the steamboat line. Rech. transp. 17 no. 6:25-26 Je '58. (MIRA 11:7)

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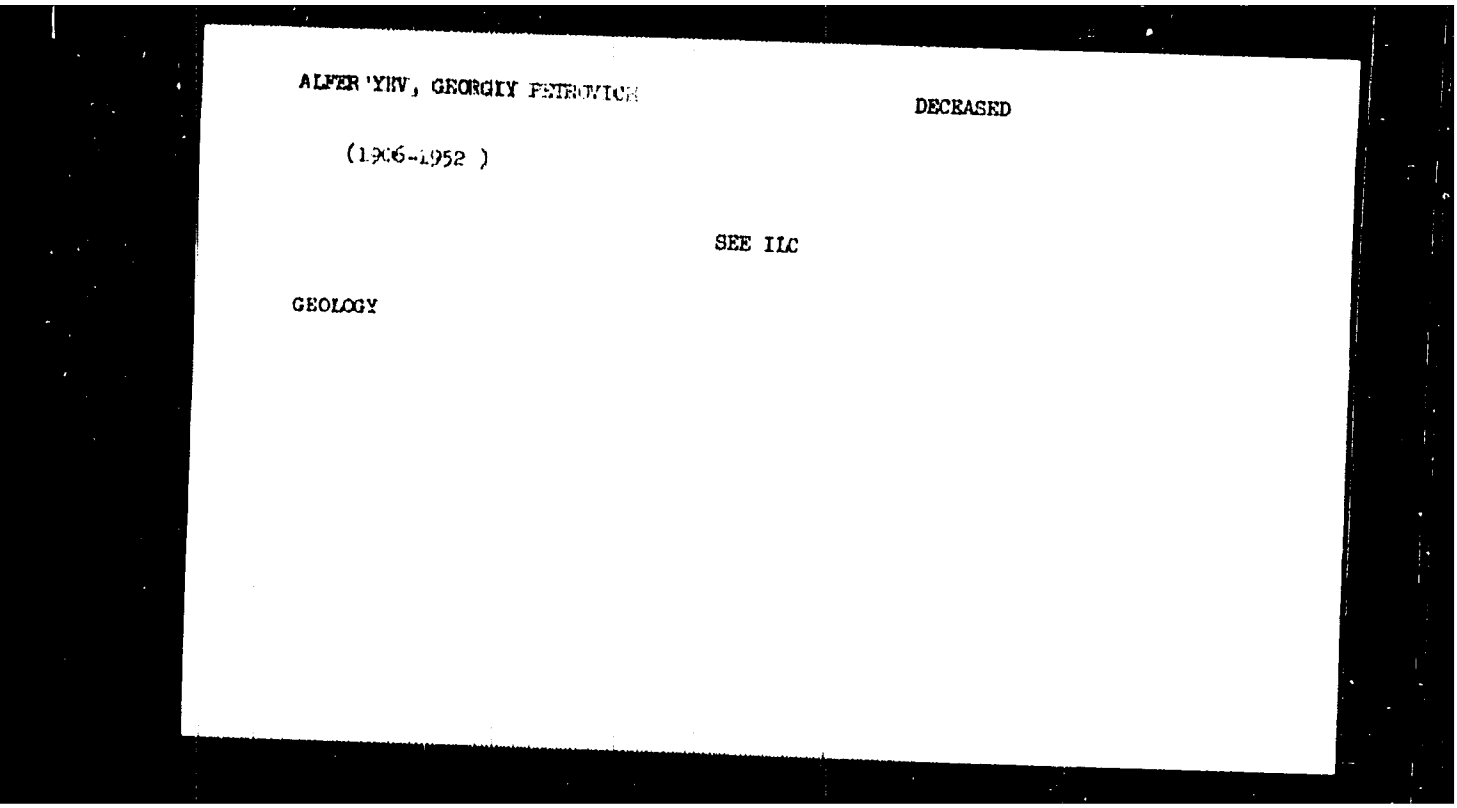

ALFER'YEV, GEORGIY PETROVICH DECEASED

(1906-1952)

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ALFER'YEV, M. Ya.

"Ships' Engines", published by State Publishers of River Transport Literature, Moscow, 1947

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ALPER'YEV, M. Ya.

32664. Vybor skorumichye skikh osadok dlya vintovykh kolesnykh sudov. Trudy gor'k. In-ta inzhenerov vod. Transporta vyp. 9, 1949, s. 5-46

SO: Letopis' Zhurnal'nykh Statey, Vol. 44, Moskva, 1949

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ALFER'IEV, M.Ya., professor, doktor tekhnicheskikh nauk; KOTOV, V.F., redaktor; MEDICHEVA, M.N., tekhnicheskiy redaktor

[Hydromechanics] Gidromekhanika. Moskva, Izd-vo Ministerstva rechnogo flota SSSR, 1952. 306 p. [Microfilm]. (MLRA 8:7)
(Fluid mechanics)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

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ALFER'YEV, M. YA.

7857. ALFER'YEV, M. YA. Metodika Diplomnogo proyektirovaniya na korablestroitel'nom fakul'tete. sost. M. ya. Alfer'yev. (Gor'kiy), 1954. 125.20 sm. (m-yo rechnogo flota sssr. Gor'k, in-t inzhenerov vodnogo transporta. kafedra teorii korablya). 400 ekz. B. Ts.--(55-4080)

629.12.0012 (071.1) / 378.244

SO: Knizhnaya Letopis', Vol. 7, 1955

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

ALFER'YEV M.YA.

LUKASHEVICH, Aleksandr Aleksandrovich, kandidat tekhnicheskikh nauk

GORYANSKIY, Yu. I., redaktor; ALFER'YEV, M.Ya., retsenzent; SEMENOV-TYAN'-SHANSKIY, V.V., retsenzent.

[Problems in ship theory] Zadachnik po teorii korablia. Leningrad, Gos. izd-vo vodnogo transporta, 1954. 259 p. (MLRA 7:11)
(Naval architecture--Problems, exercises, etc.)

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

SOV/124-58-1-683

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 1, p 85 (USSR)

AUTHOR: Alfer'yev, M. Ya.

TITLE: Model Tests for the Determination of the Resistance and the Bridle Coefficients for Pushed Barge Trains (Model'nyye ispytaniya dlya opredeleniya soprotivleniya i koeffitsiyentov schala tolkayemykh vozov)

PERIODICAL: V kn.: Nauchn.-tekhn. konferentsiya po vopr. sudovozhdeniya metodom tolkaniya. Vodtransizdat, 1954, pp 133-149

ABSTRACT: The model-basin determination of the bridle coefficients requires the determination of the hydraulic resistance for the model train held together by the bridle and for each model separately. Test data are adduced for models larger than 1 meter representing a scale of 1:30 to 1:50; the resistance measurements were performed with an accuracy of up to 10 mg, at speeds maintained to within 0.001 m/sec. The tests were performed for three series of barges with from five to eight units of each series and two pusher tugs. The paper contains curves of the relative resistances of various bridling patterns comprising identical numbers of barges as functions of the traveling

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Model Tests for the Determination of the Resistance and the Birdle (cont.)

speed, curves of the relative resistances of barge trains consisting of three barges at various drafts, and curves of the bridle coefficients of pushed barge trains of various configuration and consisting of various numbers of barges.

Ye. V. Sukacheva

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

ALPER'YEV, M.Ya., doktor tekhnicheskikh nauk, professor.

Considerable increase in the speed of self-propelled river craft.
Rech.transp. 14 no.4:11-18 Ap '56. (MLRA 9:8)
(Inland navigation) (Ship propulsion)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

SOV/124-58-4-4188

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 4, p 71 (USSR)

AUTHOR: Alfer'yev, M. Ya.

TITLE: On the Determination of the Dimensions and the Selection of Equipment for a Small Model Basin (K voprosu opredeleniya razmerov i vybora oborudovaniya dlya malogo opytovogo basseyna)

PERIODICAL: Tr. Gor'kovsk. in-ta inzh. vodn. transp., 1957, Nr 14, pp 124-141

ABSTRACT: Bibliographic entry

1. Model basins--Design 2. Model basins--Equipment

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APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

ALYER'YEV, Mikhail Yakovlevich, prof., doktor tekhn.nauk; LUKASHEVICH, A.A., retsenzent; VASIL'YEV, A.V., red.; SHLENNIKOVA, Z.V., red.izd-va; YERMAKOVA, T.T., tekhn.red.

[Theory of ship construction; floatability, stability, buoyancy, and ship launching] Teoriia korablia; plavuchest', ostoichivost', nepotopliaemost' i spusk korablia na vodu. Moskva, Izd-vo "Rechnoi transport," 1959. 491 p. (MIRA 13:2)
(Naval architecture)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

ALFER'YEV, Mikhail Yakovlevich, prof., doktor tekhn. nauk; VELEDNITSKIY, I.O., retsenzent; YERLYKINA, I.S., red.; SHLENNIKOVA, Z.V., red. izd-va; BODROVA, V.A., tekhn. red.

[Hydromechanics] Gidromekhanika. Izd.2., perer. i dop. Moskva, Izd-vo "Rechnoi transport," 1961. 326 p. (MIRA 15:2)
(Hydraulics)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

BASIN, Abram Moiseyevich; ANFIMOV, Vladimir Nikolayevich; ALFER'YEV, M.Ya., doktor tekhn. nauk, prof., retsenzent; YEFREMOV, G.V., inzh., retsenzent; AVDEYEV, G.K., red.; VOLCHOK, K.M., tekhn. red.

[Ship hydrodynamics; ship resistance, propellers, maneuvrability, and rolling] Gidrodinamika sudna; soprotivlenie vody, dvizhiteli, upravliaemost' i kachka. Leningrad, Izd-vo "Rechnoi transport," 1961. 684 p. (MIRA 15:2)

(Ships—Hydrodynamics)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

ALFER'YEV, M.A., tekhnik.

Power factor improvement at the "Svoboda" plant. Masl.-zhir.prom. 17 no.12:14-15 D '52. (MLRA 10:9)

1. Fabrika "Svoboda."
(Electric power)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

ALPER'YEV, N.A., tekhnik.

Improvement of the power coefficient at the "Svoboda" Plant. Mash.-zhir.prom. 20 no.1:32-33 '55. (MLRA 8:3)

1. Fabrika "Svoboda".
(Condensers (Electricity))

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

ALFER'YEV, N.N., inzhener.

Protecting wooden structural elements from rotting in the northern regions. Transp.stroi. 6 no.2:19-22 F '56. (MLRA 9:6)
(Wood--Preservation)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

VAYNER, M.G., kand. sel'khoz. nauk; ALFER'YEV, V.P., kand. ekonom. nauk; DROZDOV, B.T., red.; GERASIMOVA, Ye.S., tekhn. red.

[Planning in connection with machinery and equipment for agricultural machinery] Planirovanie material'no-tekhnicheskikh sredstv v sel'skom khoziaistve. Moskva, Gos. izd-vo planovo-ekon. lit-ry, 1961. 175 p. (MIRA 14:8)
(Agricultural machinery)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

VAYNER, Mikhail Grigor'yevich; ALFER'YEV, Vladimir Petrovich; KOZHIN, V.P., red.; PONOMAREVA, A.A., tekhn. red.

[Supply of equipment and machinery in the U.S.S.R. agriculture] Material'no-tekhnicheskoe snabzhenie sel'skogo khoziaistva SSSR. Moskva, Ekonomizdat, 1963. 174 p. (MIRA 16-12)

(Farm mechanization)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

MIRONOV, A.P., kand.tekhn.nauk; ALFER'YEV, V.P., inzh.

Investigating the operating process of an air-cooled tractor diesel engine. Trakt. i sel'khozmash. 33 no.2:1-4 F '63. (MIRA 16:3)

1. Gosudarstvennyy soyuznyy nauchno-issledovatel'skiy traktornyy institut.
(Tractors—Engines)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

ALFER'IEV, O.P.; ALFER'IEVA, A.M.

Last pages of the geological history of the Terek-Kuma lowland. Geog. sbor. 1:151-159 '52. (MLRA 6:7)
(Terek valley--Geology) (Geology--Terek valley)
(Kuma valley--Geology) (Geology--Kuma valley)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

ALFER'YEVA, Irina Nikolayevna; YEROFEYEV, I.A., red.; IRANNIKOVA, M.S., tekhn.red.

[The Chinese People's Republic; from practice in preparing geography lessons for the 8th grade] Kitaiskaia Narodnaia Respublika; razrabotka urokov po geografii v VIII klasse. Iz opyta raboty. Moskva, Gos.uchebno-pedagog.izd-vo M-va prosv. RSFSR, 1960. 70 p. (MIRA 13:12)
(China--Economic geography)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

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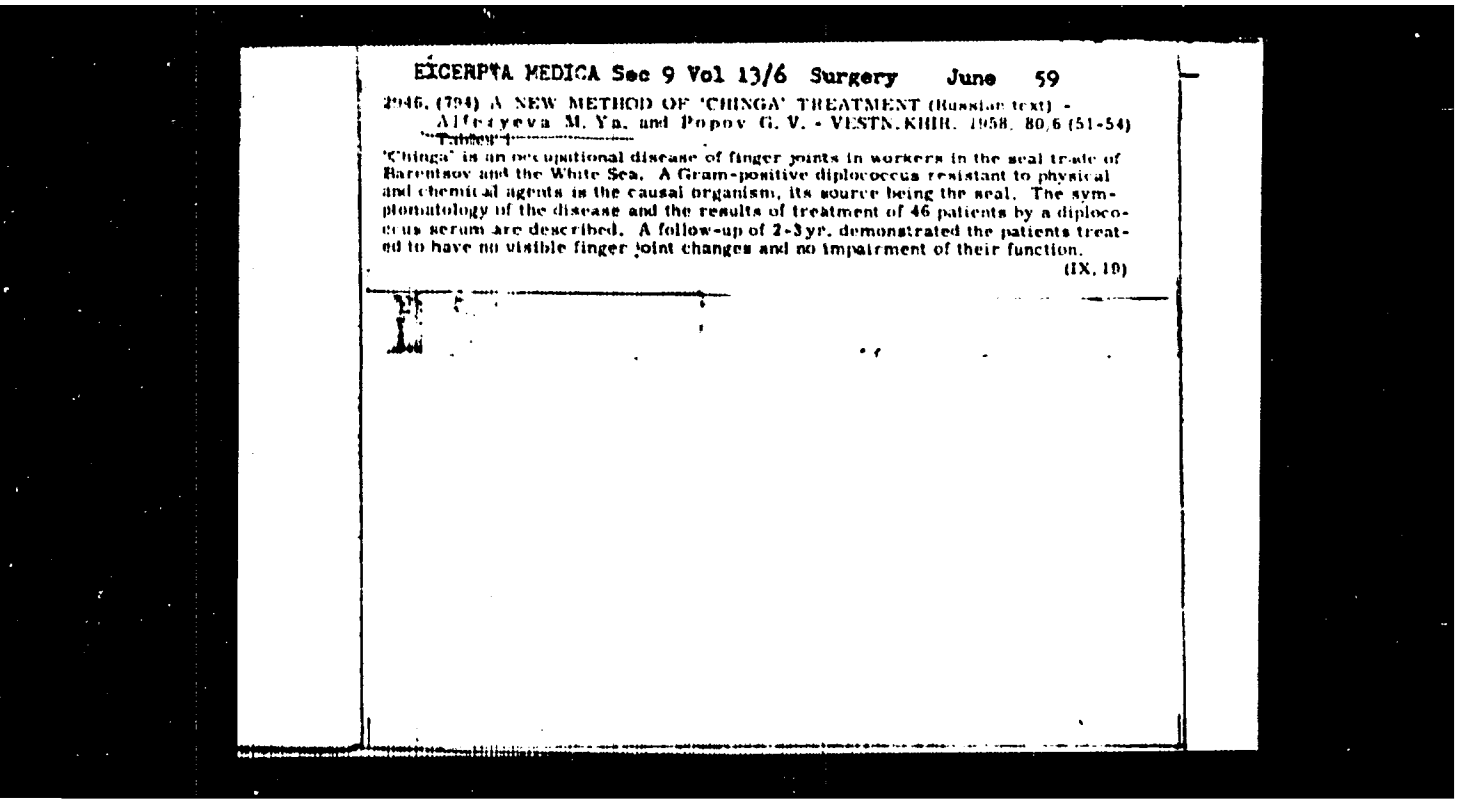

EXCERPTA MEDICA Sec 9 Vol 13/6 Surgery June 59

2946. (794) A NEW METHOD OF 'CHINGA' TREATMENT (Russian text) - Alfeyeva M. Ya. and Popov G. V. - VESTN. KHIR. 1958, 80, 6 (51-54) Tables 1

'Chinga' is an occupational disease of finger joints in workers in the seal trade of Barentsov and the White Sea. A Gram-positive diplococcus resistant to physical and chemical agents is the causal organism, its source being the seal. The symptomatology of the disease and the results of treatment of 46 patients by a diplococcus serum are described. A follow-up of 2-3 yr. demonstrated the patients treated to have no visible finger joint changes and no impairment of their function.

(IX, 10)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

KUZNETSOVA, O., insh.; ALPER'YEVA, M., insh.

Medical preparation lydase. Mias. ind. SSSR 29 no.3:55 '58.
(MIRA 11:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut myasnoy promyshlennosti.

(Hyaluronidase)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

ALFER'YEVA, M.Ya.; POPOV, G.V. (Arkhangel'sk)

Therapeutic effect of diplococcal serum in chinga. Klin.med. 39 no.3:66-68 Mr '61. (MIRA 14:3)

1. Iz kafedry obshchey khirurgii (zav. - prof. G.A. Orlov) Arkhangel'skogo meditsinskogo instituta (dir. - dotsent A.A. Kirov) i Instituta epidemiologii, mikrobiologii i gigiyeny (dir. M.Ya. Alfer'yeva).
(DIPLOCOCCUS) (FINGERS--DISEASES) (ARTHRITIS)

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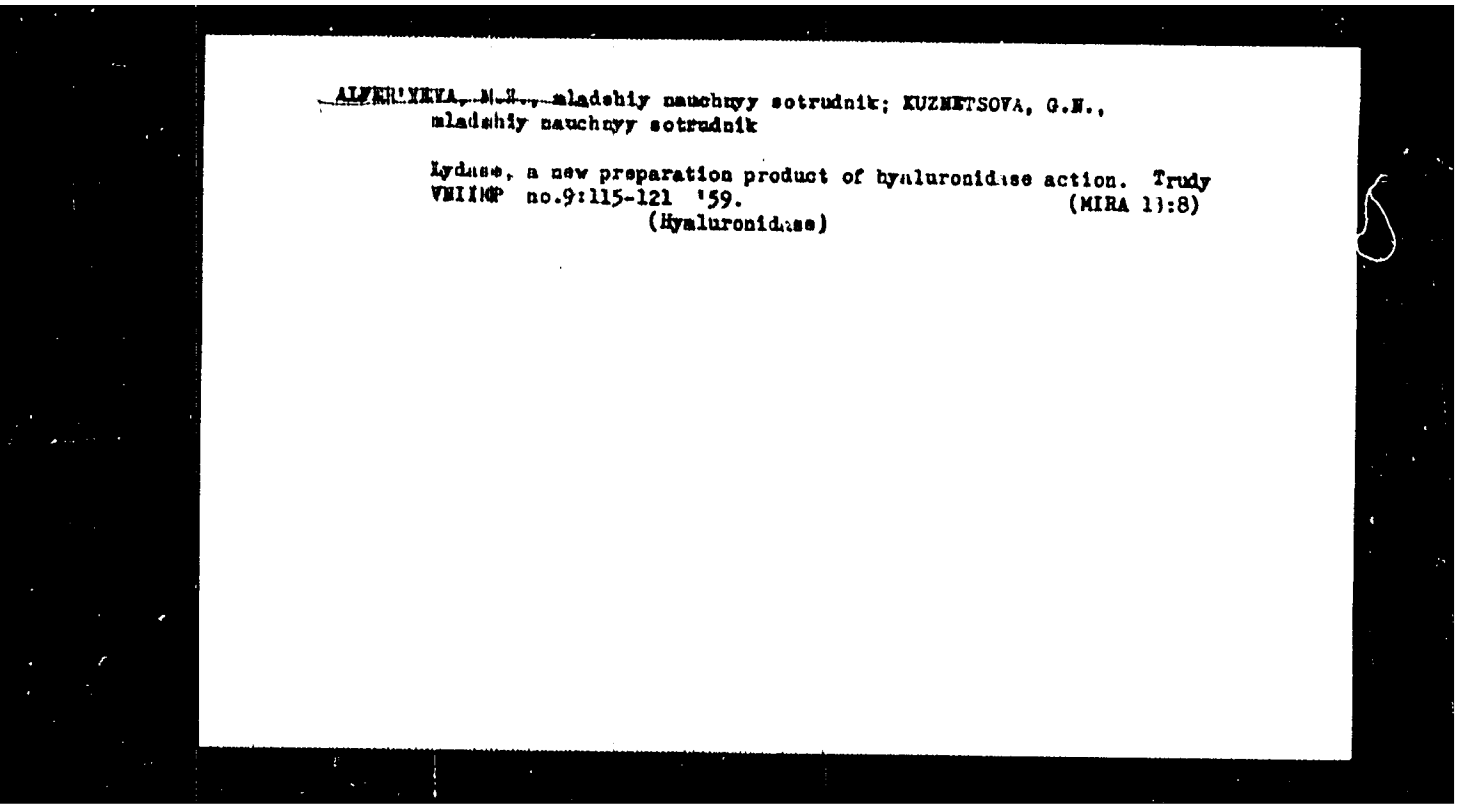

ALYEKHINA, M.N., mladshiy nauchnyy sotrudnik; KUZNETSOVA, G.N., mladshiy nauchnyy sotrudnik

Lydase, a new preparation product of hyaluronidase action. Trudy VNIIMP no.9:115-121 '59. (MIRA 13:8)
(Hyaluronidase)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

FISHER, A.Ya.; Prinimali uchastiye: ALFER'YEVA, N.A., inzh.; KVURG, O.S., inzh.; ZARETSKIY, Ye.I., inzh.; YEVSEYEV, M.S., master

Liquation refining of lead by means of aluminum. Trudy Giprotsvetmetobrabotka no.20:305-315 '61 (MIRA 15:2)
(Lead—Metallurgy)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

VASIL'YEVA, G.A.; POLOVTSEVA, Yu.M.; IGNASHCHENKOVA, N.V.; ZAF'YANTSEVA, I.N.; SUDNIK, R.M.; PRAVEDNOVA, M.L., red.; KONDRAT'YEVA, T.F., kand.tekhn.nauk, red.; ALFEYEVA, N.A., inzh., red.

[Reliability and durability of piston machines; annotated bibliographical index: Soviet and foreign literature published in 1960-1963] Nadezhnost' i dolgovechnost' porshnevykh mashin; annotirovannyi bibliograficheskii ukazatel': otechestvennaia i inostrannaia literatura 1960-1963 gg. Leningrad, Otdel nauchno-tekhn. informatsii, 1964. 144 p. (MIRA 18:7)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy i konstruktorskiy institut khimicheskogo mashinostroyeniya. Leningradskiy filial.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

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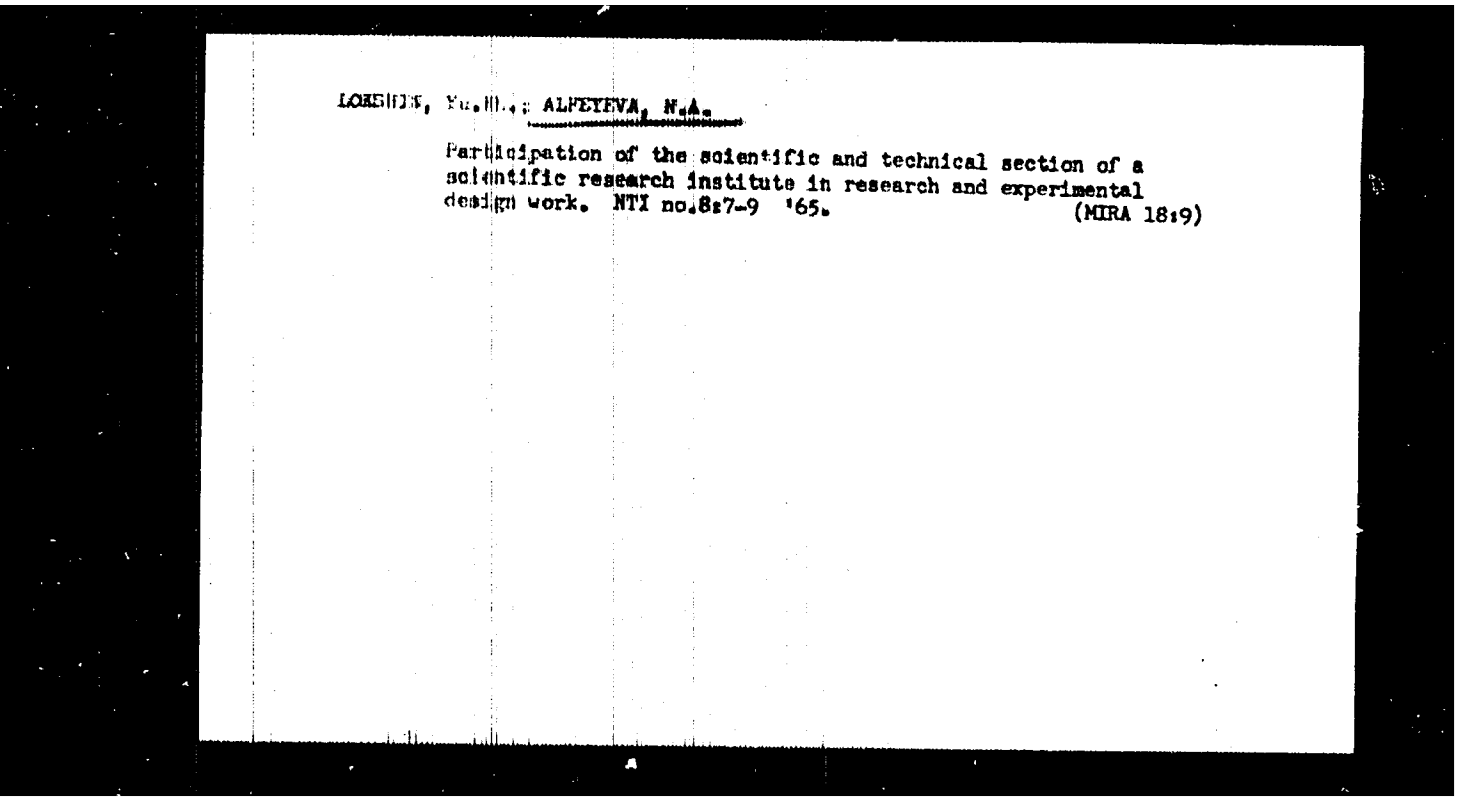

LOSHITS, Yu.M.; ALFEYEVA, N.A.

Participation of the scientific and technical section of a scientific research institute in research and experimental design work. NTI no.8:7-9 '65. (MIRA 18:9)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

21-58-7-8/27

AUTHORS: Alfer'yeva, L.G. and Kurandeyev, K.B., Corresponding Member of the AS UkrSSR

TITLE: On the Stability of High-Voltage Germanium Rectifiers of the DG-Ts Type (O stabil'nosti vysokovol'tnykh germaniyevykh vypryamiteley tipa DG-Ts)

PERIODICAL: Dopovidi Akademii nauk Ukrains'koi RSR, 1958, Nr 7, pp 721-723 (USSR)

ABSTRACT: The authors present the results of an investigation of the artificial aging process of point high-voltage germanium rectifiers of the DG-Ts type under effect of electric load and cyclic changes in temperature from 20 - 50 - 20°C. The aging process is not eliminated in the investigated rectifiers, although they are more stable than the cuprous oxide rectifiers. On the basis of the observed regularities in the changes of the volt-ampere characteristics during aging process, a method is proposed for compensating the errors of measuring circuits which arise because of instability of the rectifier parameters in time. This method consists in self-compensation, i.e., parameters of the circuit are so chosen that the changes in

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

On the Stability of High-Voltage Germanium Rectifiers of the DG-Ts Type 21-58-7-8/27

direct and reversed resistances (currents) are balanced. There are 3 circuit diagrams and 3 Soviet references.

ASSOCIATION: L'vovskiy politekhnicheskiy institut (L'vov Polytechnic Institute)

SUBMITTED: January 13, 1958

NOTE: Russian title and Russian names of individuals and institutions appearing in this article have been used in the transliteration.

1. Dry disk rectifiers--Stability 2. Germanium--Effectiveness
3. Rectifiers--Circuits

Card 2/2

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

ALFER'YEVA, N.G.; KARANDEYEV, K.B.

Features of temperature characteristics of DG-TS point-contact germanium rectifiers. Izv. Sib. otd. AN SSSR no.3:10-17 '59. (MIRA 12:8)

1.L'vovskiy politekhnicheskiy institut, Sibirskoye otdeleniye Akademii nauk SSSR.
(Germanium diodes)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

ALTER'YEVA, N.G.

Determination of some parameters of the circuit of a rectifier voltmeter with given temperature error. Avtom.kont.i elek.izm no.1:135-138 '60. (MIRA 15:8)

(Voltmeter)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

SOV/115-59-6-14/33

9(2,3)

AUTHOR: Karandeyev, K.B., Alfer'yeva, N.G.

TITLE: The Relations of Static and Dynamic Characteristics of High-Voltage Semiconductor Rectifiers

PERIODICAL: Izmeritel'naya tekhnika, 1959, Nr 6, pp 32-35 (USSR)

ABSTRACT: In this paper the authors determine the static, $i=f(U)$, and the dynamic, $I_{cp}=f(U_{cp})$, half-wave characteristics of high-voltage semi-conductor rectifiers. They also consider the more characteristic case requiring the application of the dependency $I_{cp}=f(U_{cp})$ for the forward and reverse direction of the current passing thru the rectifier, the calculation and the analysis of temperature conditions of self-compensation of a symmetric germanium rectifier bridge curcuit. The experimental investigation of static and dynamic characteristics of DG-Ts germanium rectifiers confirmed the correctness of the dependencies obtained. There are 2 graphs, 1 set of circuit diagrams and 6 references, 5 of which are Soviet and 1 American.

Card 1/1

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

KARANDEYEV, K.B.; ALFER'YEVA, N.G.

Class 0.5 rectifying voltmeter. Avtom. kont. i elek. izm. no.2:55-62 '60. (MIRA 15:3)

(Voltmeter)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

ALPER'YEVA, N.G.

Rectifying voltmeter with a given temperature error. Avtom. kont. i elek. izm. no.2:63-74 '60. (MIRA 15:3)
(Voltmeter)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

ALFER'YEVA, N.G.

Rectification factor of high-voltage germanium junction diode rectifiers. Avtom.kont.i elek.izm. no.1:131-134 '60.
(MIRA 15:8)

(Electric current rectifiers) (Germanium diodes)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

SOV/94-58-5-26/57

AUTHOR: Alfeyev, A., Engineer (Leningrad)

TITLE: New Method of Cleaning Air Bottles (Novyy sposob ochistki vozdushnogo baliona)

PERIODICAL: Grazhdanskaya aviatsiya, 1958, Nr 5, p 27 (USSR)

ABSTRACT: The short article describes a new method of internal cleaning of air bottles of the Yak-12 plane, proposed by innovators I. Shchipitsyn and V. Kolonytskiy. The method consists in preparatory washing with a so-called SD solution, rinsing with a hot aqueous solution of sodium carbonate, liquid glass, and potassium bichromate, followed by drying. Mechanical cleaning is carried out with bits of a 3 - 4-mm hexagonal rod placed inside the bottle which is mounted on the oscillating frame of a jig-saw. The position of the bottle can be changed to ensure an even treatment of the whole surface. A diagrammatic drawing accompanies the text.

1. Aircraft--Equipment 2. Gas cylinders--Cleaning

Card 1/1

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

ALPEYEV, N.

Improve the machinery and equipment in enterprises of the Office of Flour Milling. Muk.-elev.prom. 22 no.3:27 Mr '56. (MLRA 9:7)

1.Novorossiyskaya mel'nitsa Glavmuki.
(Flour mills--Equipment and supplies)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

ALEKIN, M., insh.

Repair of bucket conveyors has been made simpler and easier. Muk.-elev.prom. 26 no.1:26 Ja '60. (MIRA 13:6)

1. Novorossiyskiy portovyy elevator.
(Grain-handling machinery)

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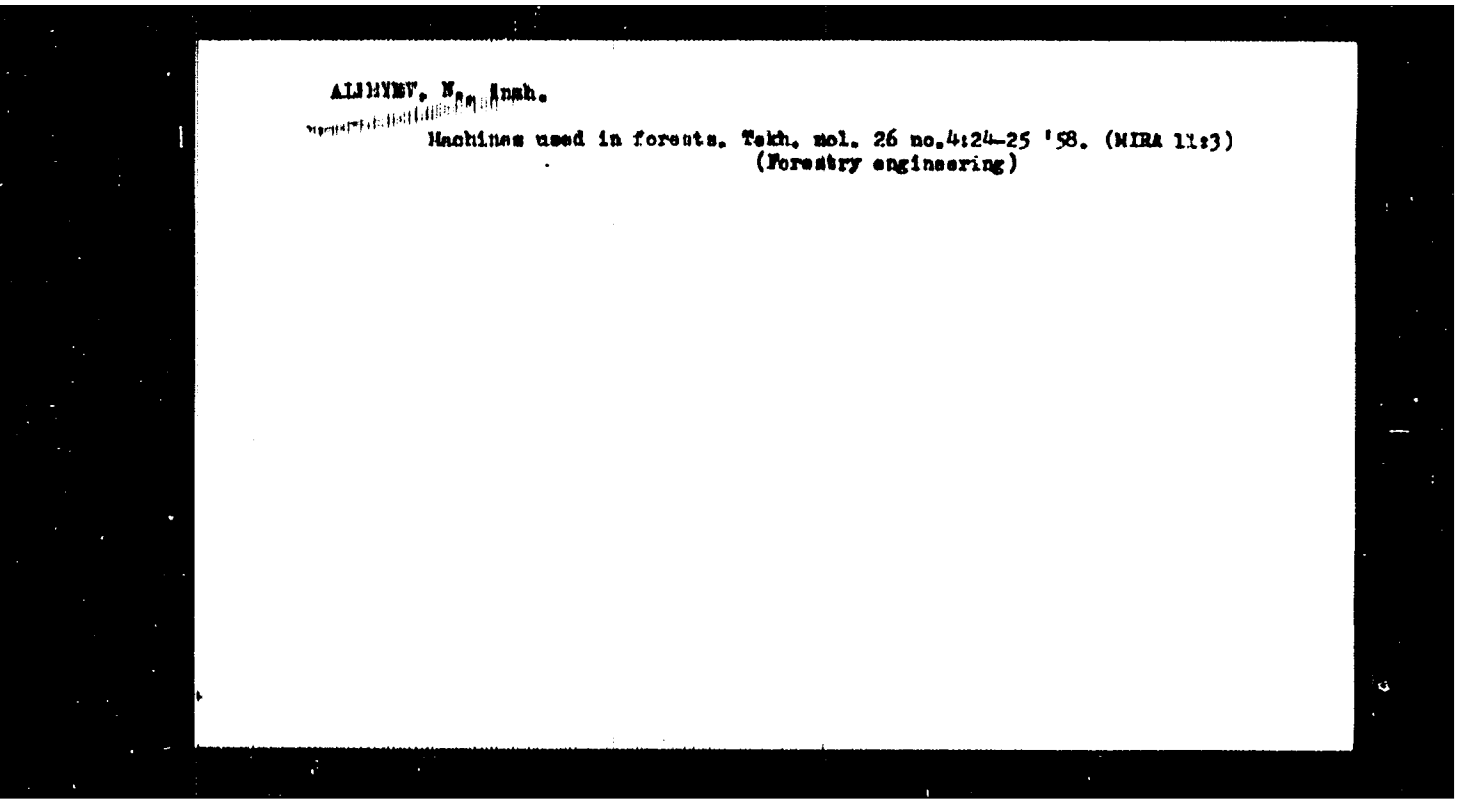

ALEKYEV, N., inzh.

Machines used in forests. Tekh. mol. 26 no.4:24-25 '58. (MIRA 11:3)
(Forestry engineering)

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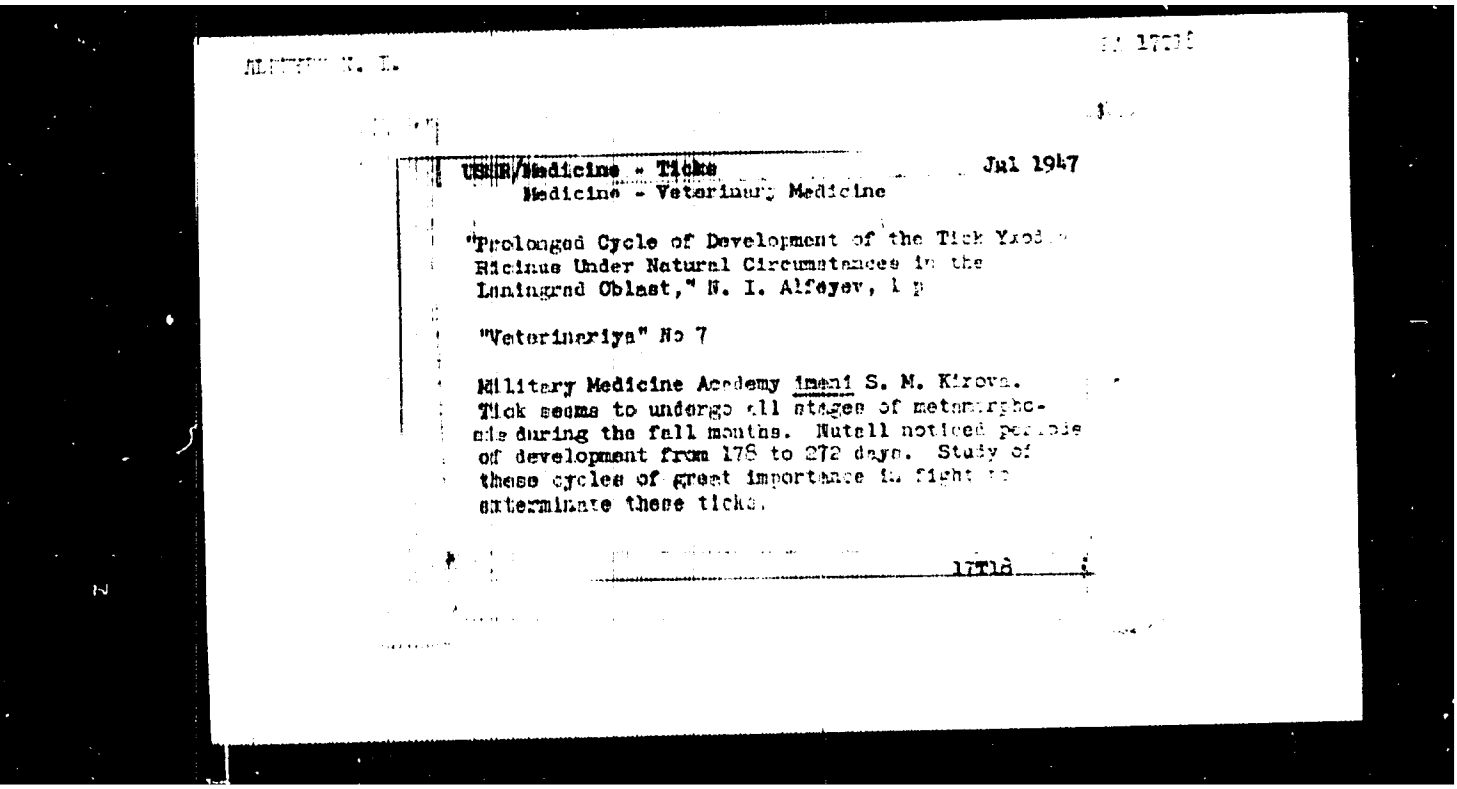

ALFEYEV, N. I.

17T18

USSR/Medicine - Ticks Jul 1947
Medicine - Veterinary Medicine

"Prolonged Cycle of Development of the Tick Ixod... Ricinus Under Natural Circumstances in the Leningrad Oblast," N. I. Alfeyev, 1 p

"Veterinariya" No 7

Military Medicine Academy imeni S. M. Kirova. Tick seems to undergo all stages of metamorphosis during the fall months. Nutall noticed periods of development from 178 to 272 days. Study of these cycles of great importance in fight to exterminate these ticks.

17T18

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

ALFEYEV, V. I.

IA 6/49T71

USSR/Medicine - Heredity, Mechanism May/Jun 48
Medicine - Ticks

"New Mutation in the Female of Hyalomma Dromedarii Koch," N. I. Alfeyev, Chair of Gen Biol and Parasitol imeni Ye. N. Pavlovskiy, Mil Med Acad imeni S. M. Kirov, 2½ pp

"Zool Zhur" Vol XXVII, No 3

Gives magnified drawing of deformed camel tick with full description of ventral and dorsal sides. Histological study was impossible because specimen dried up.

6/49T71

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

ALFEYEV, M. I.

Variability of metamorphosis in ixodian ticks. Ent. ob. 31, No. 3-4, 1951.

SO: MLRA, September 1952

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

ALFEYEV, N.I.; BREGETOVA, N.G.; GNEZDILOV, V.G. [deceased]; GUTSEVICH, A.V.; KOSTYLEV, N.N.; NIKOLAYEV, B.P.; OLSUF'YEV, N.G.; PAVLOVSKIY, Yevgeniy Nikanorovich, akademik; PERVOMAYSKIY, G.S.; PERFIL'YEV, P.P.; POMERANTSEV, B.I.[deceased]; SALYAYEV, V.A.; SKVORTSOV, B.P.; SMIRNOV, G.G.; TERAVSKIY, I.K.; BLAGOVESHCHENSKIY, D.I., doktor, red.; RULEVA, M.S., tekhn.red.

[Laboratory manual on medical parasitology] Laboratornyi praktikum meditsinskoi parazitologii. Pod red. E.N.Pavlovskogo. Leningrad, Gos.izd-vo med.lit-ry, Leningr.otd-nie, 1959. 486 p. (MIRA 12:9)

(MEDICAL PARASITOLOGY)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

SHAPIRO, Ya.Ye.; ALFEYEV, N.M.(Ryazan')

Effect of combined medicinal sleep and vasodilator therapy of hypertension. Klin. med. 33 no.9:31-34 S '55. (MLRA 9:2)

1. Iz fakul'tetskoy terapevticheskoy kliniki (zav.-prof. Ya.Ya. Shapiro) Ryazanskogo meditsinskogo instituta imeni akad. I.P. Pavlova (dir.-dotsent Ye.N. Kovalev)

(HYPERTENSION, therapy
sleep ther. with vasodilators)
(VASOMOTOR DRUGS, therapeutic use,
hypertension, with sleep ther)
(SLEEP, therapeutic use,
hypertension, with vasodilators)

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

89646

S/107/61/000/003/001/002
E192/E382

X 2572

AUTHORS: Alferov, V., Candidate of Technical Sciences and Dedyukin, G., Engineer

TITLE: Parametric Amplifiers Based on Semiconductor Diodes

PERIODICAL: Radio, 1961, No. 3, pp. 21 - 24

TEXT: The normal amplifiers based on electron tubes or semiconductor devices are not particularly suitable for the detection of very weak signals due to the comparatively great internal noise. In recent years, this disadvantage has been partially overcome by the use of so-called parametric amplifiers. These are in the form of oscillatory systems in which one or some reactive elements (L or C) change periodically with time. In general, it is comparatively simple to change periodically or modulate the capacitance C of such a system. The energy from the source, known as the pumping source, which modulates the capacitance is converted into the signal energy by the reactive element. Such an amplifier, consisting

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E192/E382

Parametric Amplifiers Based on Semiconductor Diodes

of an oscillatory circuit with a variable parameter and a pumping source, behaves, in fact, as if the pumping source introduces a negative resistance $-r$ into the signal circuit. This resistance reduces the ohmic losses in the circuit and increases its quality factor Q. However, apart from supplyimg a sufficient oscillation amplitude for modulating the capacitance, it is also necessary to secure the coincidence of the phases of the pumping and signal sources; further, the pumping frequency should be twice the signal frequency. A semiconductor diode whose capacitance is dependent on voltage can be used as the modulating reactance for a parametric amplifier. The magnitude of the negative resistance introduced into the circuit by such a diode is determined by $-r = +m/2\omega C$, where C is the average value of the capacitance. ω is the signal frequency and m is the modulation coefficient which is defined by

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E192/E382

Parametric Amplifiers ....

$$m = \frac{\Delta C}{2C} = \frac{C_{max} - C_{min}}{C_{max} + C_{min}} .$$

From these formulae it is seen that the negative resistance $-r$ can be increased by increasing m. In practice, a semiconductor diode can be represented by a variable capacitance C_v and a series resistance R_s. In typical diodes operating up to 50 Mc/s, C_v = 10-15 pF and R_s = 15 - 20 ohm; with the diodes operating up to 500 Mc/s, the capacitances are C_v = 3-6 or 1-2 pF and $R_s \approx$ 10 ohm. It is also possible to employ the capacitance of the collector-base junction in transistors as the reactive element in parametric amplifiers since its capacitance is voltage-dependent. Although a parametric amplifier based on a diode has no shot noise due to electron current, it is not entirely noiseless due to the fact that it contains an ohmic resistance R_s.

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E192/E382

Parametric Amplifiers ....

From the available technical literature, it is known that the effective noise figure for a receiver provided with a semi-conductor parametric amplifier is of the order of 0.3 to 1 (from -5 to 0 db). Thus, for a bandwidth of 100 kc/s and an input resistance of 75 ohm it is possible to receive signals whose magnitude is about 0.2 to 0.3 μV. However, the reduction in the noise of the input stage can result in the increase of the overall sensitivity of a receiver only in that case when the input stage has a sufficiently high gain. In practice, this gain should be of the order of 15 - 20 db and this can easily be realised. There are 6 figures and 1 table.

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

26055
S/107/61/000/005/001/004
E192/E382

9.2572

AUTHORS: Alfoyev, V., Candidate of Technical Sciences and Dodyukin, G., Engineer

TITLE: Parametric Amplifiers. Principal Types of a Parametric Amplifier (PA) Based on Semiconductor Diodes

PERIODICAL: Radio, 1961, No. 5, pp. 17 - 20 and 25

TEXT: Parametric amplifiers based on semiconductor diodes can be divided into three basic groups: single-circuit regenerative PA; double-circuit PA (regenerative, non-regenerative amplifier-converters and regenerative amplifier-converters) and non-regenerative travelling-wave amplifiers. The operation of these devices and their characteristics are discussed in some detail. The basic circuit of a single tuned amplifier (taken from available literature) is given in Fig. 1a. The regenerative amplification in this circuit is achieved by varying the capacitance C_v periodically at the pump-frequency f_H, which is twice as high as the signal

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Parametric Amplifiers ....

frequency f_c . The circuit shown operates at f_c = 30 Mc/s, the input signal being applied to the terminals 1 - 3. The output signal is taken from the terminals 2 - 3 and the pump signal is injected into the terminals 4 - 5. The coil L_1 of the amplifier contains 12 turns wound on a former of 16 mm diameter. The nonlinear capacitor C_v can be in the form of a semiconductor diode or varicap (C_o = 15 - 40 pF); alternatively, the collector-base junction of a transistor such as T-403 (P-403) can be used for this purpose; this is shown in Fig. 15. The negative bias voltage of -5 V is applied to the nonlinear capacitor by means of the resistor R_1 from the potentiometer R_2 . The pump signal is fed through the capacitor C_2 and the choke from the coil L_2 , which is wound together with L_3 on the same ferrite core. When operating under regenerative conditions, the amplifier of

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Parametric Amplifiers ....

Fig. 1a can give a stable gain up to 30 db. Alternatively, the system can be operated as a super-regenerator, in which case the pump source is modulated by an auxiliary signal. In this case, the amplification can reach 50 db. Two-circuit parametric amplifiers consist of two tuned circuits coupled by means of the nonlinear capacitance, which changes at frequency f_H under the influence of the pump signal. One of the circuits is tuned to the signal frequency f_c, while the second (auxiliary) circuit is tuned to the difference $(f_H - f_c)$ or sum $(f_H + f_c)$ frequency. These frequencies are produced as a result of the interaction of the pump and signal voltages at the nonlinear element in the same manner as in the ordinary frequency changer. There are three types of double-circuit parametric amplifiers; these are shown in Figs. 3. One of the main advantages of the double-tuned PA is the possibility of using the pump frequency which is not exactly twice the signal frequency. Secondly, the deviations of the pump frequency and the deviations between the signal

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Parametric Amplifiers ....

and pump phases do not affect the operation of the amplifier. The first circuit of Fig.3 is a regenerative PA. The signal to the nonlinear capacitor C_v is applied from the tuned circuit L_1C_1, the pump voltage being applied directly to the capacitor. The difference frequency signal is produced in the second tuned circuit L_2C_2. A practical amplifier circuit, operating at 144 Mc/s is described; this is taken from the American journal "QST" of August, 1959. The second circuit of Fig. 3 is a nonregenerative amplifier-converter, which is essentially similar to the first amplifier, except that its auxiliary circuit is tuned to the frequency $f = f_H + f_c$. The last circuit of Fig. 3 is a regenerative parametric amplifier-converter and it differs from the non-regenerative amplifier in that its auxiliary circuit is tuned to the difference frequency. However, this amplifier is based on two effects: the regenerative effect due to the fact that the auxiliary circuit is tuned to the difference frequency and

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Parametric Amplifiers ....

the non-regenerative amplification effect produced as a result of frequency-changing in the nonlinear reactance element since the load is connected to the auxiliary tuned circuit. The travelling wave PA are usually in the form of a section of a long line with a number of parametric diodes; a system of this type is shown in Fig. 9. It is pointed out that the special measures adopted in some PA to reduce noise are not considered and that it is possible to construct PA on the basis of ferromagnetic or cathode-ray elements. It is also mentioned that the parametric amplification effect was discovered by the school of the Soviet scientists L.A. Mandel'shtam and N.D. Papaleksi, who investigated this phenomenon between 1920 and 1940. A large contribution to the investigation of PA is due to the following Soviet scientists: Rytov, Tychinskiy, Etkin, Skvortsova, Gertsenshteyn and others, whose work was published in the journals: Radiotekhnika, Radiotekhnika i elektronika and Radioelektronika. There are 9 figures.

Card 5/6

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

TROSHIN, G.I.; MALOLEPSHIY, G.A.; ALFEYEV, V.N.

Use of single-wire transmission lines as feeder channels for multichannel radio relay microwave communication lines. Radiotekhnika 19 no.1:36-45 Ja '64. (MIRA 17:1)

1. Deystvitel'nyye chleny Nauchno-tekhnicheskogo obshchestva radiotekhniki i elektrosvyazi imeni Popova.

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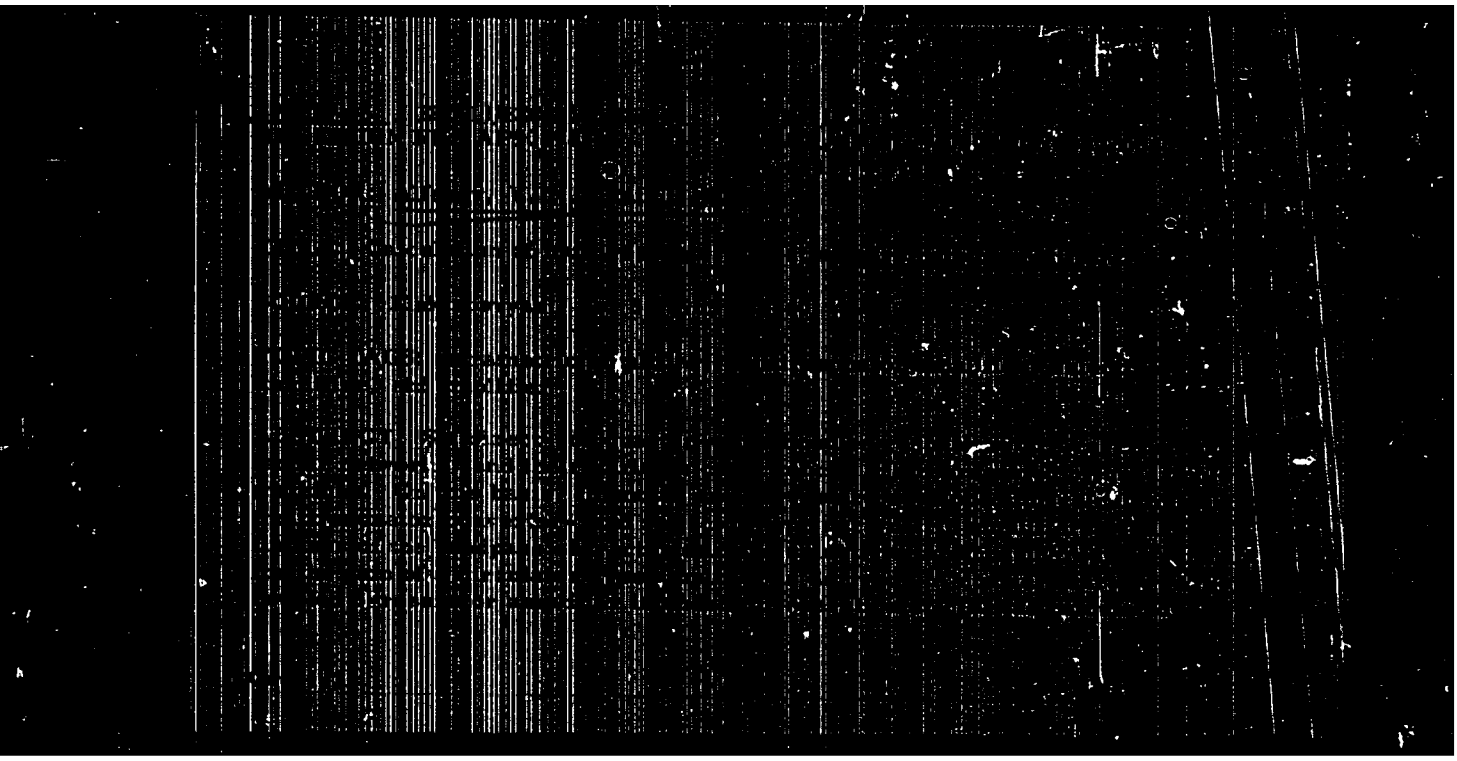

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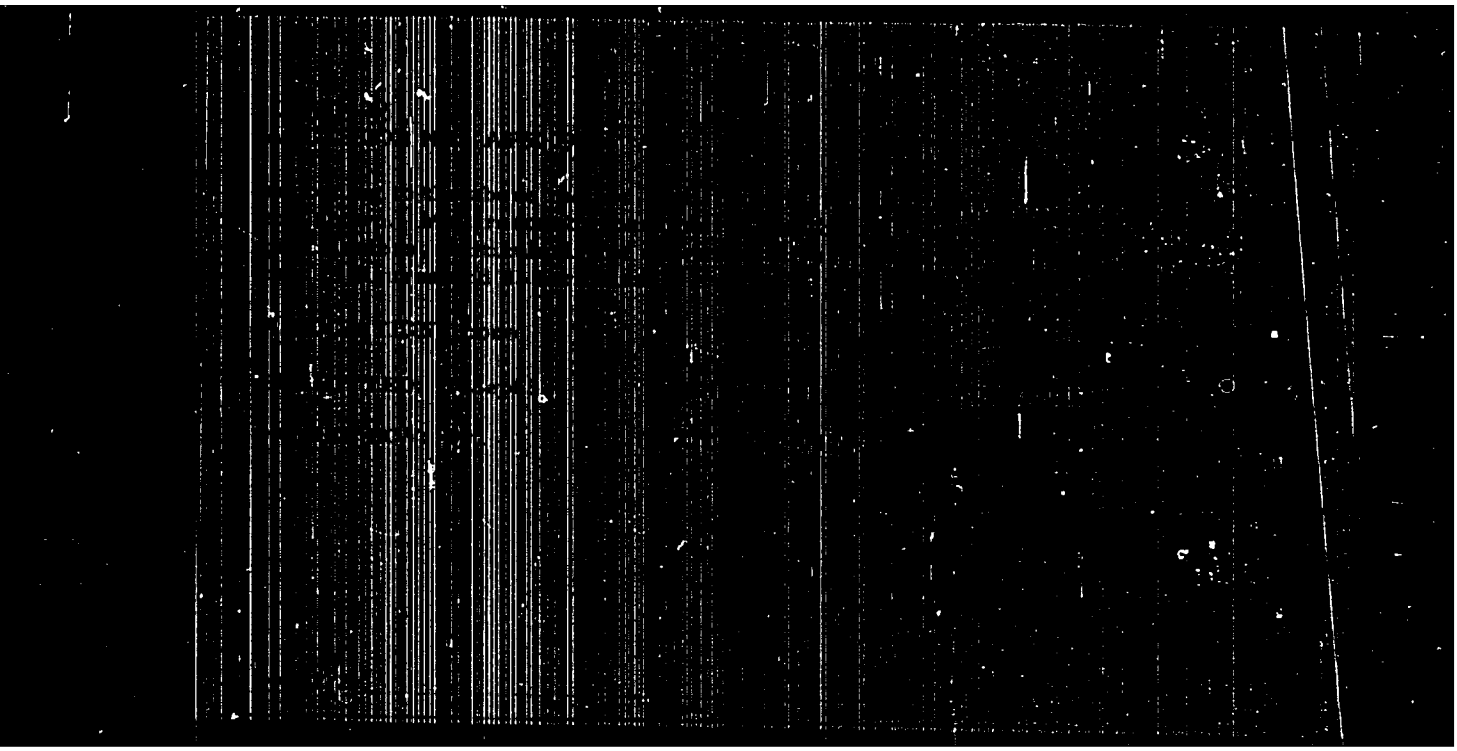

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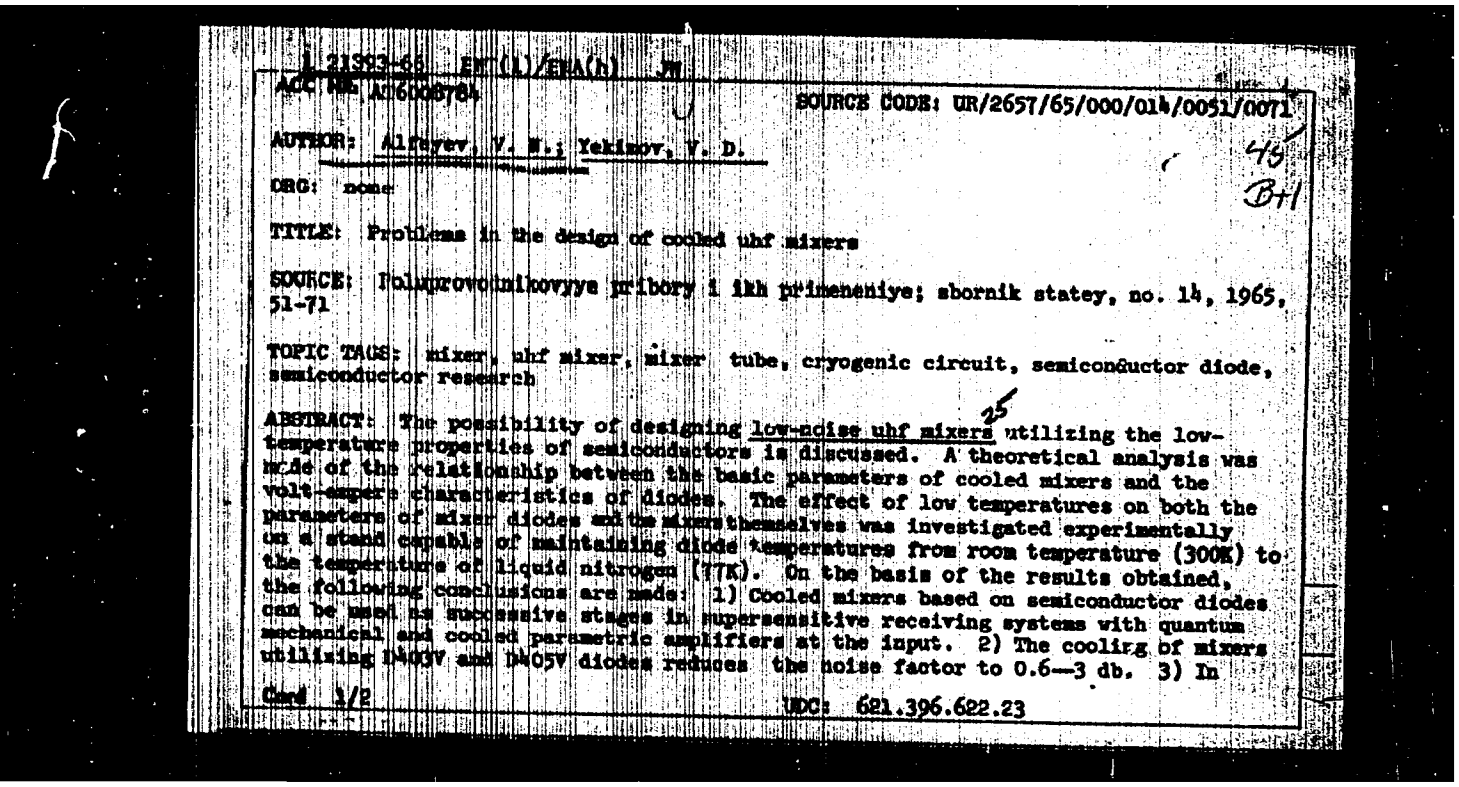

L 21303-66 EWT(l)/EWA(h) JW

ACC NR: AP6008784 SOURCE CODE: UR/2657/65/000/014/0051/0071

AUTHOR: Alfayev, V. M.; Yekimov, V. D.

ORG: none

TITLE: Problems in the design of cooled uhf mixers

SOURCE: Poluprovodnikovyye pribory i ikh primeneniye; sbornik statey, no. 14, 1965, 51-71

TOPIC TAGS: mixer, uhf mixer, mixer tube, cryogenic circuit, semiconductor diode, semiconductor research

ABSTRACT: The possibility of designing low-noise uhf mixers utilizing the low-temperature properties of semiconductors is discussed. A theoretical analysis was made of the relationship between the basic parameters of cooled mixers and the volt-ampere characteristics of diodes. The effect of low temperatures on both the parameters of mixer diodes and the mixers themselves was investigated experimentally on a stand capable of maintaining diode temperatures from room temperature (300K) to the temperature of liquid nitrogen (77K). On the basis of the results obtained, the following conclusions are made: 1) Cooled mixers based on semiconductor diodes can be used as successive stages in supersensitive receiving systems with quantum mechanical and cooled parametric amplifiers at the input. 2) The cooling of mixers utilizing 1N03V and 1N05V diodes reduces the noise factor to 0.6—3 db. 3) In

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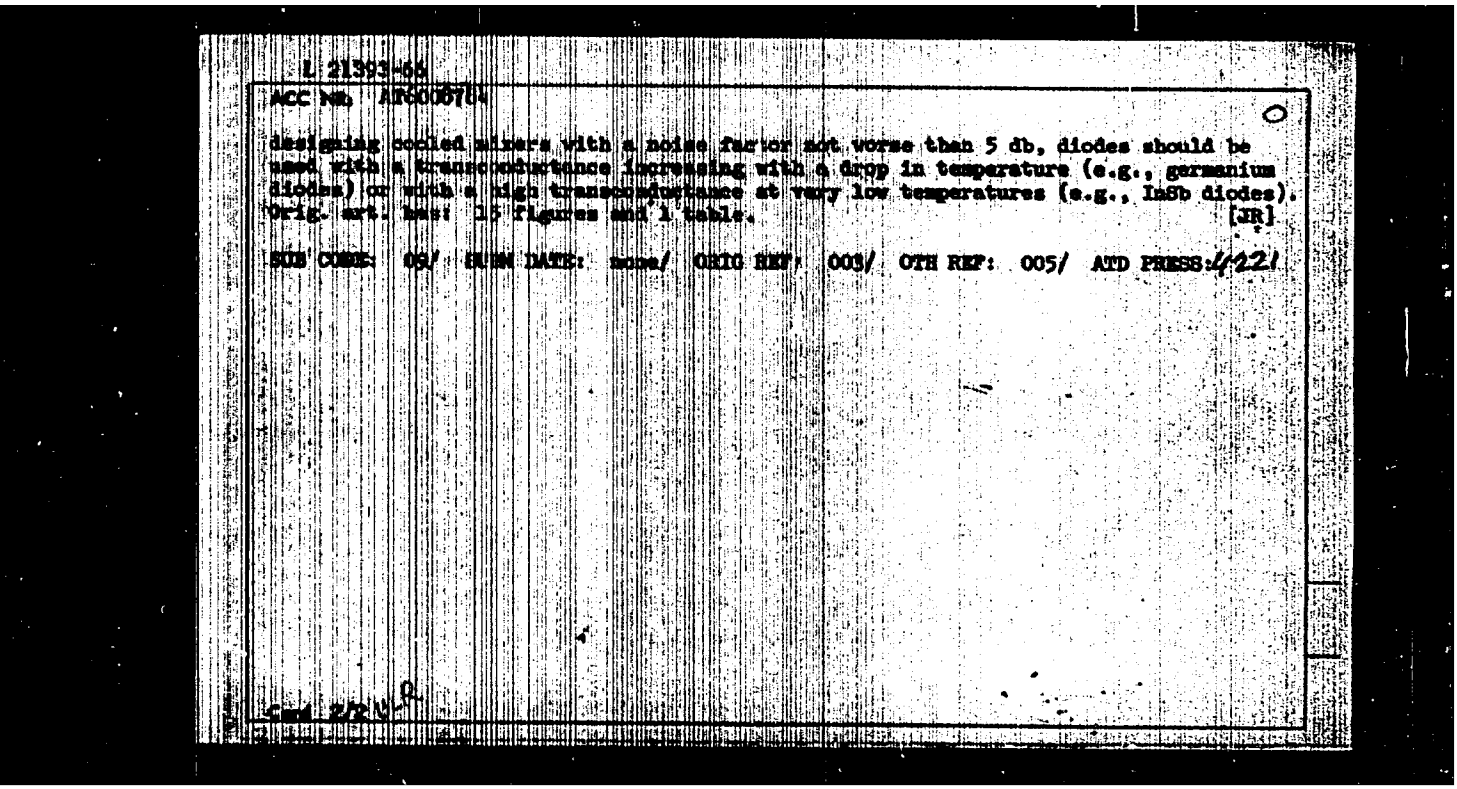

L 21393-66
ACC NR: AP6006704

designing cooled mixers with a noise factor not worse than 5 db, diodes should be used with a transconductance increasing with a drop in temperature (e.g., germanium diodes) or with a high transconductance at very low temperatures (e.g., InSb diodes). Orig. art. has: 15 figures and 1 table. [JR]

SUB CODE: 09/ SUBM DATE: none/ ORIG REF: 003/ OTH REF: 005/ ATD PRESS: 4122

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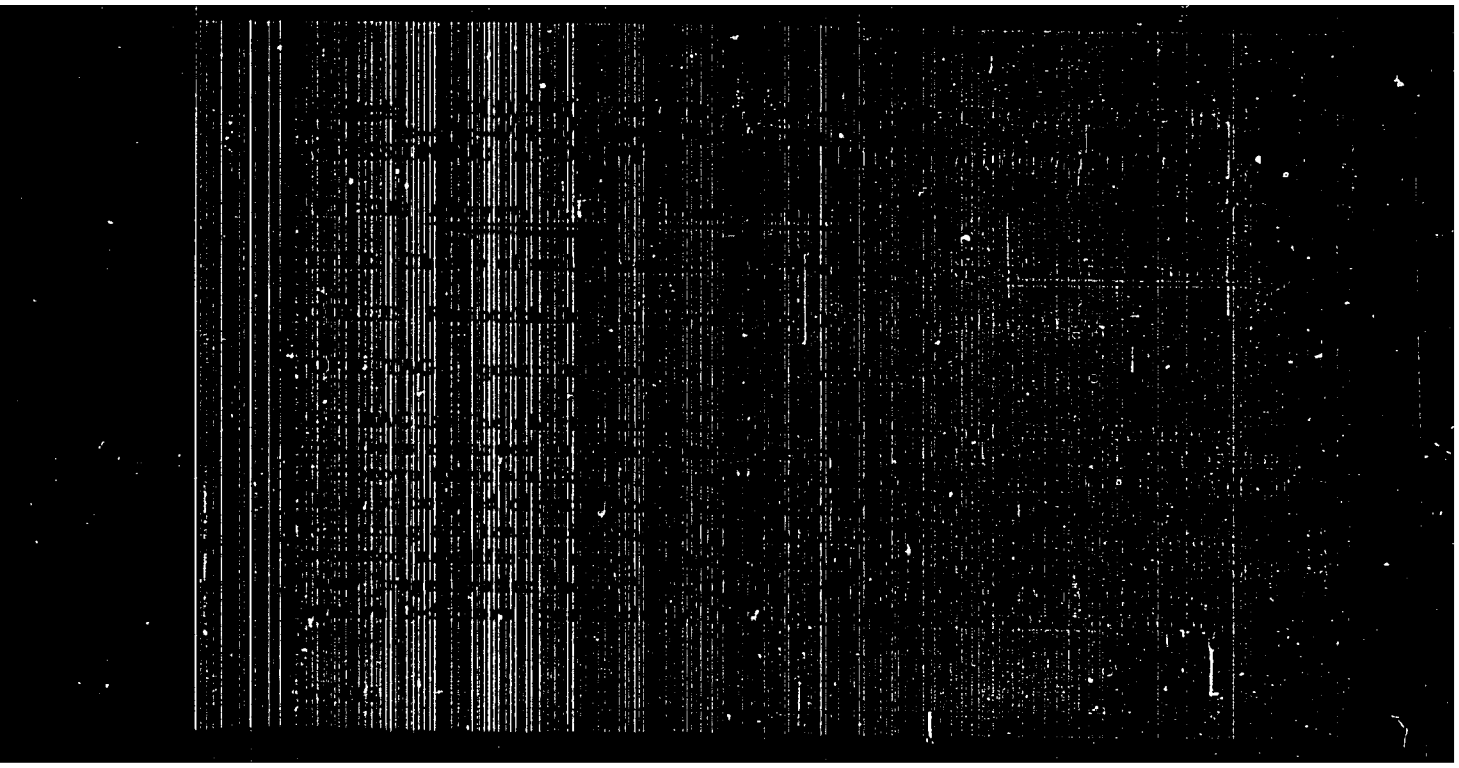

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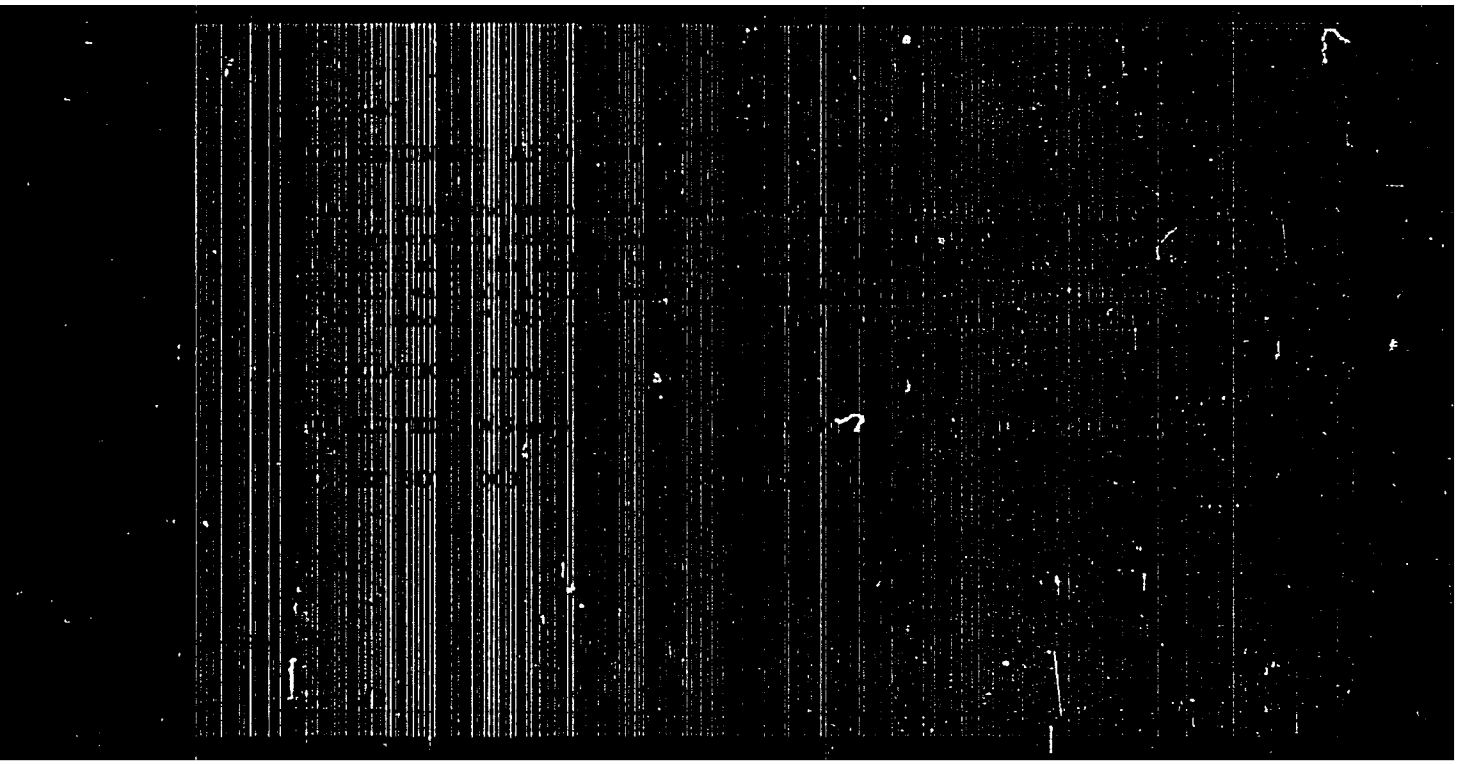

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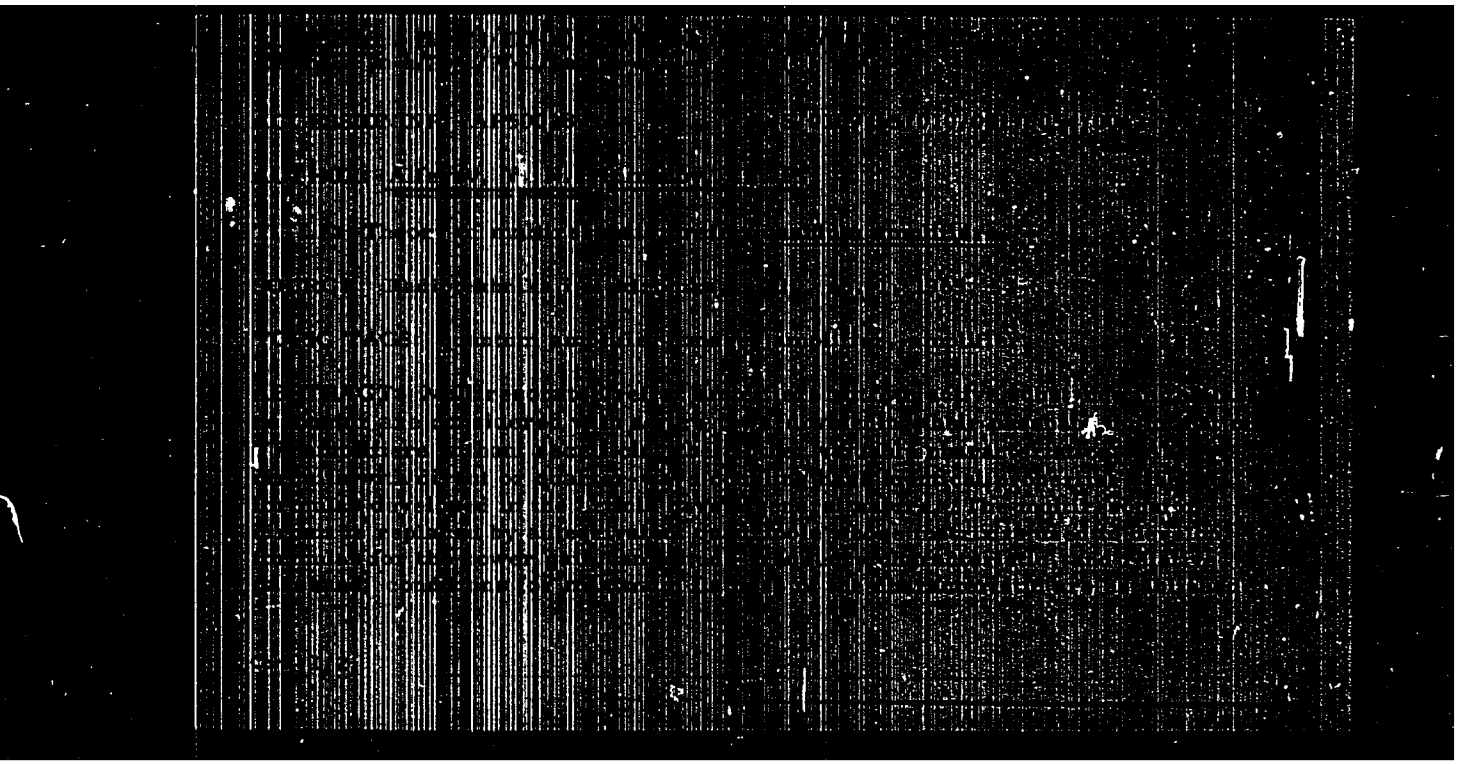

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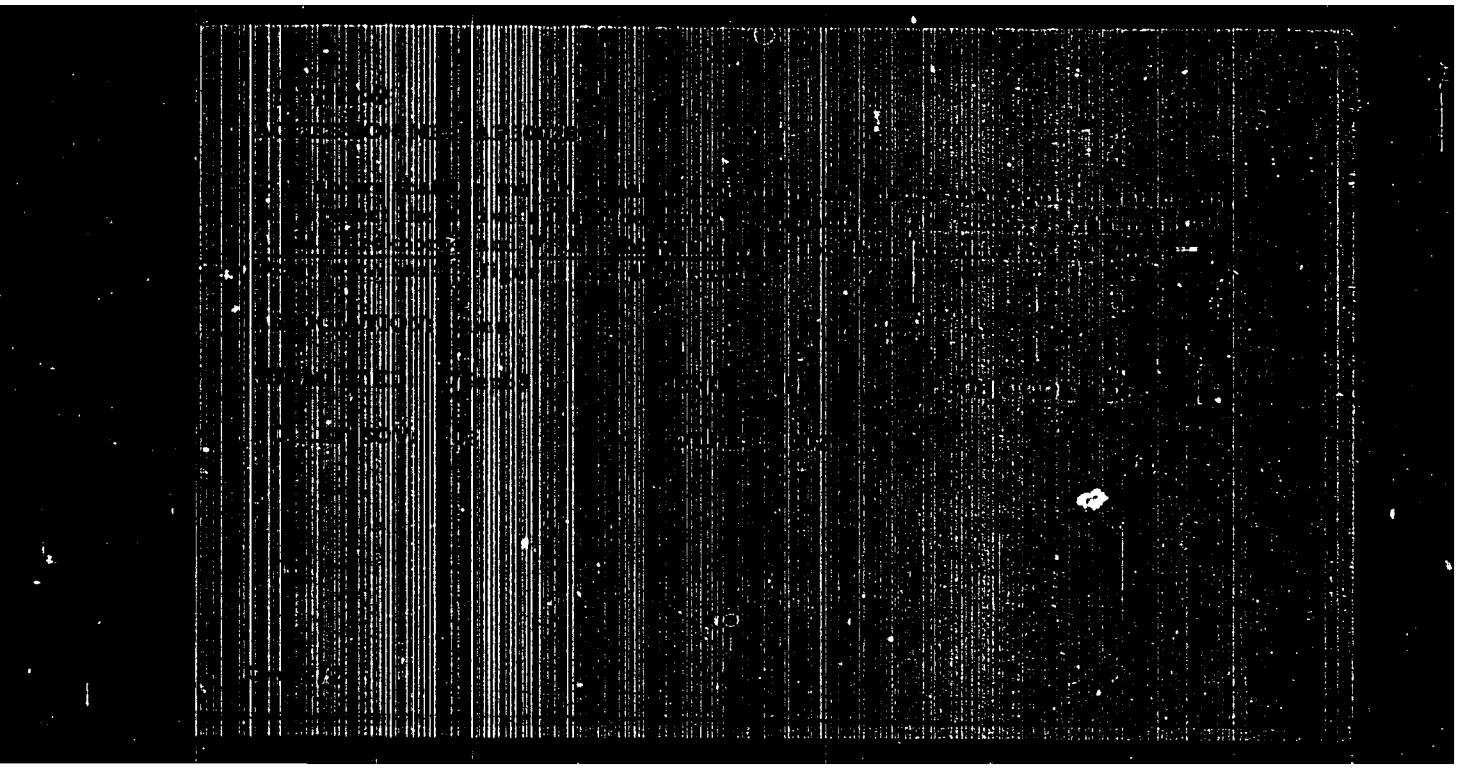

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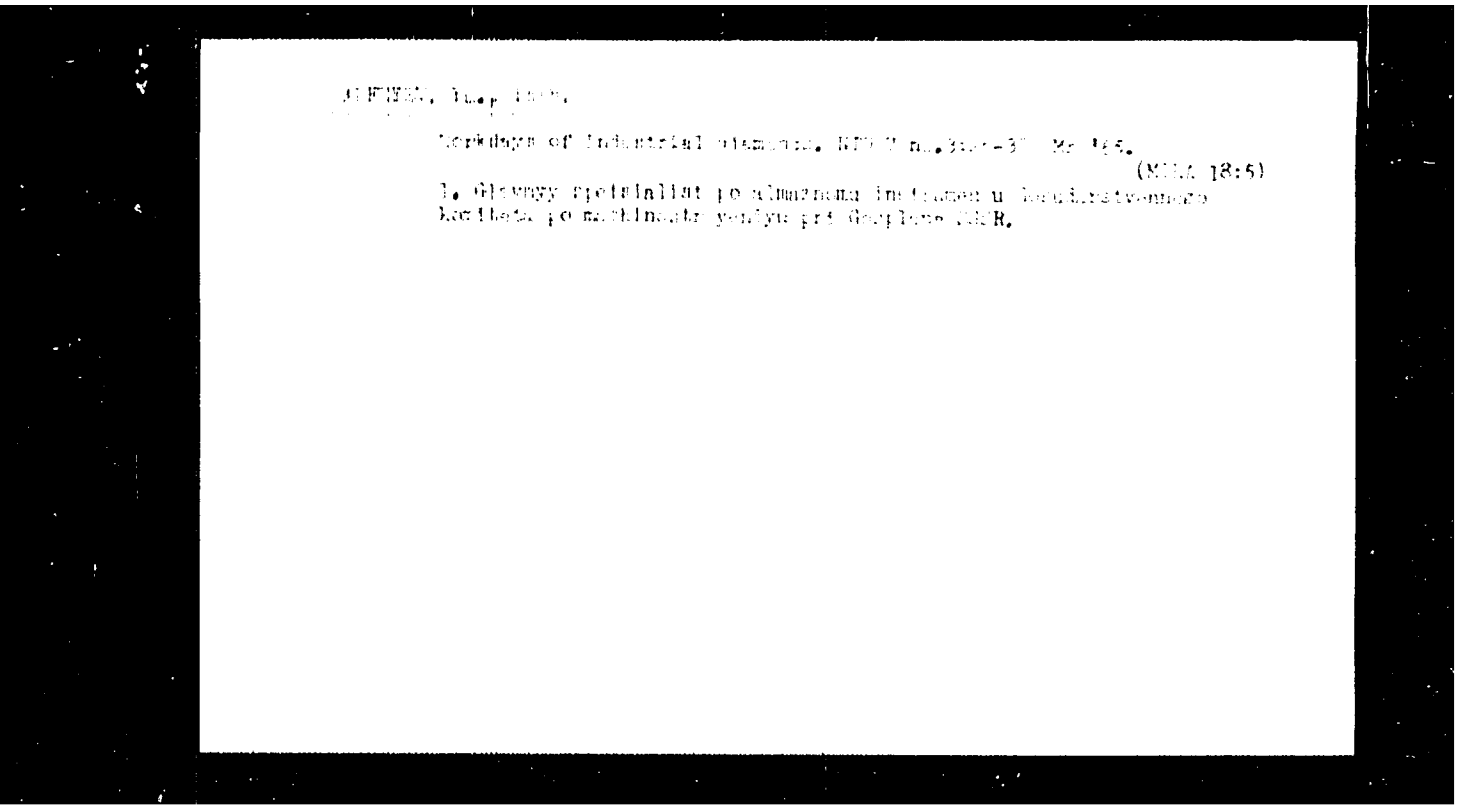

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RASKIN, G.F., kand. sel'khoz. nauk; VAYNER, M.G., kand. sel'khoz. nauk; YEREMEYEV, K.I., kand. ekon. nauk; AL'FER'YEV, V.P., kand. ekon. nauk; GOLENKO, M.V., mlad. nauchn. sotr.; GANZHA, N.M., mlad. nauchn. sotr.; FREYDMAN, S.N., red.; MAKHOVA, N.N., tekhn. red.; TRUKHINA, O.N., tekhn. red.

[Efficiency of capital investments in agriculture] Effektivnost' kapital'nykh vlozhenii v sel'skoe khozyaistvo. Moskva, Sel'khozizdat, 1963. 294 p. (MIRA 17:1)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut ekonomiki sel'skogo khozyaystva. 2. Nauchnyye sotrudniki Vsesoyuznogo nauchno-issledovatel'skogo instituta ekonomiki sel'skogo khozyaystva (for Raskin, Vayner, Yeremeyev, Al'fer'yev, Golenko, Ganzha).
(Agriculture--Finance)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

PAVLOVSKIY, Ye.N., akademik; ALFEYEVA, S.N.

Effect of parasitic worms on their location in the body of the host. Paraz. sbor. 14:303-309 '52. (MLRA 6:6)

1. Voyenno-meditsinskaya akademiya imeni S.M.Kirova (Kafedra obshchey biologii i parazitologii imeni akademika Ye.N.Pavlovskogo).
(Worms, Intestinal and Parasitic)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

ALPEYEVA, Z. P.

ALPEYEVA, Z. P. "Pathological-histological investigation of the organs of the seal in experimental Far-Eastern and Siberian tick exanthematous typhus", In the collection: Voprosy krayevoy, obshchey i eksperim. parazitologii, Vol. IV, Moscow, 1949, p. 46-57, - Bibliog: 23 items.

SO: U-4592, 11 August 53, (Letopis 'Zhurnal 'nykh Statey', No. 22, 1949).

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

ALFEYEVA, S.P.; PAVLOVSKIY, Ye.N., akademik

Reactive changes in the skin of the reindeer following the invasion of the larvae of Oedemagena tarandi. Paraz. sbor. 22:173-183 '64. (MIRA 18:2)

1. Zoologicheskiy institut AN SSSR i kafedra obshchey biologii i parazitologii Voyenno-meditsinskoy akademii imeni Kirova.

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

ALF'EYEVA, Ye.V.; PUSHKAREVA, Z.V.; CONCHAROVA, I.N.

Study in the series of N-oxides. Report No.8: Preparation and purification of embichine N-oxide. Trudy Ural.politekh. inst. no.96:32-36 '60. (MIRA 14:3)

(Embichine)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

ALFIMAVA, Lidiiya.

In the name of life. Rab. i sial. 30 no.7:9-10 Jl '54. (MLRA 9:4)
(Zhukova, Sof'ia Mikhailovna)

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

ALFIMENKOV, V.P.; OSTANEVICH, Yu.M.; RUSKOV, T.; STRELKOV, A.V.; SHAPIRO, F.; YAN' U-GUAN [Yen Wu-kuang]

[Observation of the Mossbauer effect in Sm^{149}] Nabliudenie effekta Messbauera Sm^{149}. Dubna, Ob"edinennyi in-t iadernykh issl., 1961. 6 p. (MIRA 15:1)
(Nuclear magnetic resonance and relaxation) (Samarium)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

ALFIMENKOV, V.P.; OSTANEVICH, Yu.M.; RUSKOV, T.; STRELKOV, A.V.; SHAPIRO, F.; YAN' U-CHAN [Yen Wu-kuang]

[Energy spectrum of the resonance absorption of γ-radiation from 92 kev. Zn^{67} in zinc oxide] Energeticheskii spektr rezonansnogo poglosbcheniia γ-isluchcniia 92 kev Zn^{67} v okisi tsinka. Duban, Ob"edinennyi in-t iadernykh issl., 1961. 16 p. (MIRA 15:1)

(Gamma rays) (Zinc oxide)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

AKSENOV, S.I.; ALFIMENKOV, V.F.; LUSHCHIKOV, V.I.; OSTANEVICH, Yu.M.
SHAPIRO, F.L.; YAN'U-GUAN [Yen Wu-kuang]

Observing the resonance absorption of γ-rays in Zn^{67}. Zhur. eksp. i teor. fiz. 40 no.1:88-90 Ja '61. (MIRA 14:6)

1. Fizicheskiy institut imeni P.N. Lebedeva AN SSSR i Ob"yedinennyy institut yadernykh issledovaniy.
(Gamma rays) (Zinc--Isotopes)

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

S/056/62/042/004/018/037
B108/B102

AUTHORS: Akhimenkov, V. P., Ostanevich, Yu. M., Ruskov, T., Strelkov, A. V., Shapiro, F. L., Yen Wu-kuang

TITLE: Energy spectrum of the resonance absorption in zinc oxide of 92-kev gamma radiation from Zn^{67}

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 42, no. 4, 1962, 1029 - 1035

TEXT: The Mössbauer effect in Zn^{67} has been studied by the Doppler shift and frequency modulation methods. The energy spectrum of 92-kev gamma rays was recorded at ~4.2°K using a source and a filter (up to 33% Zn^{67}), both made of ZnO. The statistical error in the measurements was $2 \cdot 10^{-4}$. Resonance absorption, observed at zero energy shift, reached a maximum of $2 \cdot 10^{-3}$. The line width was somewhat greater than the natural width. The structure of the resonance absorption energy spectrum shows quadruple splitting of the

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Energy spectrum of ...

the Zn^{67} levels but is difficult to interpret because of the insufficient experimental accuracy. The effective Debye temperature of the ZnO was estimated at about 300°K, which is consistent with published data. There are 6 figures and 10 references: 4 Soviet and 6 non-Soviet. The four most recent English-language references read as follows: R. V. Pound, G. A. Rebka, Phys. Rev. Lett., 4, 274; 397, 1960; R. Craig et al. Phys. Rev. Lett., 4, 561, 1960; S. Ruby, D. Bolef. Phys. Rev. Lett., 5, 5, 1960.

ASSOCIATION: Ob"yedinennyy institut yadernykh issledovaniy (Joint Institute of Nuclear Research)

SUBMITTED: December 9, 1961

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APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

S/056/62/042/004/019/037
B108/B102

AUTHORS: Alfimenkov, V. P., Ostanevich, Yu. M., Ruskov, T., Strelkov, A. V., Shapiro, F. L., Yen Wu-kuang

TITLE: The Mössbauer effect in $Sm_2^{149}O_3$

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 42, no. 4, 1962, 1036 - 1037

TEXT: A 22-kev gamma transition in Sm^{149} has been observed by B. S. Dzhelepov et al. (B. S. Dzhelepov et al. Nucl. Phys., 30, 110, 1962). To verify these authors' suggestion that this transition leads to the ground state, the present authors made nuclear resonance absorption, thus using an Sm_2O_3 + $Eu_2^{149}O_3$ source and a movable Sm_2O_3 filter and measuring at room temperature by the Doppler shift method. The results were positive. The upper limit of the level width was $6 \cdot 10^{-7}$ ev, level lifetime $\tau > 10^{-9}$ sec. K. Ya. Gromov, Zh. T. Zhelev, and V. A. Khalkin are thanked for having supplied the source. There are 2 figures and 2 non-Soviet references.

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

S/056/62/042/004/019/037
B108/B102

The Mössbauer effect ...

ASSOCIATION: Ob"yedinennyy institut yadernykh issledovaniy (Joint Institute of Nuclear Research)

SUBMITTED: December 9, 1961

Card 2/2

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

ACCESSION NR: AP4019209 S/0056/64/046/002/0482/0487

AUTHORS: Alfimenkov, V. P.; Lebedev, N. A.; Ostanevich, Yu. M.; Ruskov, T.; Strelkov, A. V.

TITLE: A study of the Mossbauer effect on Sm-149

SOURCE: Zhurnal eksper. i teor. fiz., v. 46, no. 2, 1964, 482-487

TOPIC TAGS: Mossbauer effect, samarium 149, Gamma spectrum, apparatus Gamma spectrum, velocity spectrum, apparatus velocity spectrum, line width, line broadening, resonance absorption, resonance emission, resonance absorption spectrum, level spi

ABSTRACT: To increase the number of Mossbauer γ transitions suitable for research, the authors investigated the 22.5-keV γ transition of Sm^{149} in the form of Sm_2O_3 with approximate activity 5×10^4 quanta/sec. The apparatus is described, together with the steps ta-

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ACCESSION NR: AP4019209

ken to eliminate the effect of the neighboring 41-keV gamma radiation of samarium. A line width of $(1.35 \pm 0.1) \times 10^{-7}$ was obtained at room temperature, corresponding to a broadening by a factor of 2.3. A cross section of $(8.4 \pm 2.5) \times 10^{4}$ barns was obtained. The most likely spin of the 22.5-keV level is 5/2. It is claimed that the availability of more active sources and further development of the experimental technique will make the Mossbauer effect on Sm^{149} a useful research tool. "In conclusion the authors are grateful to F. Shapiro for continuous interest in the work, Zh. Zhelev for useful discussions, V. Grigalis, Z. Marish, Ye. Pikel'ner, S. Salakhiddinov, and A. Sokirin for help with the measurements, and A. Novgorodov for help in preparing the source." Orig. art. has: 5 figures and 5 formulas.

ASSOCIATION: Ob"yedinenny*y institut yaderny*kh issledovaniy (Joint Institute of Nuclear Research)

Card 2/2 Sub: 24 Jul 63

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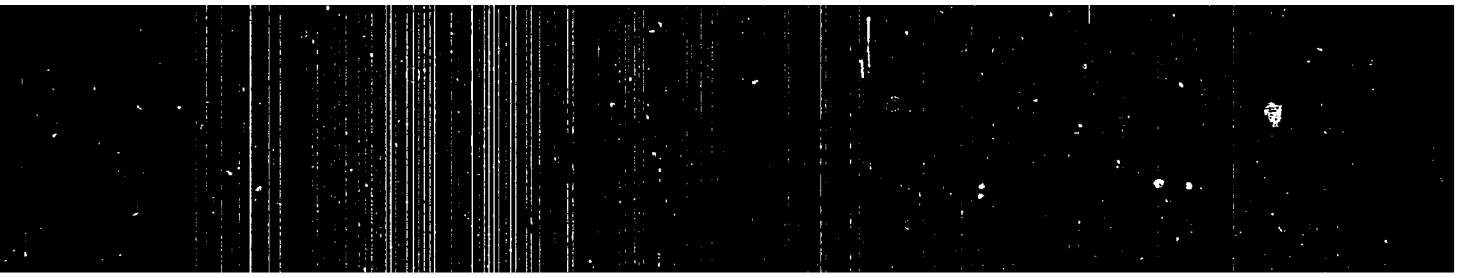

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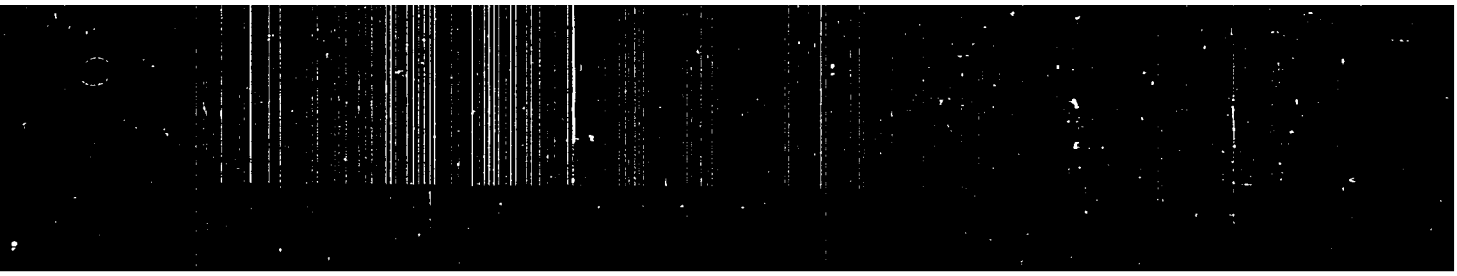

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"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

ALFIMOV, A. N., ENGR

Dissertation: "Investigation of Martensite Transformation in Steel." Cand Tech Sci, Central Sci Res Inst of Technology and Machine Building (TsNIITMash), 19 Apr 54. (Vechernyaya Moskva, Moscow, 9 Apr 54)

SO: SUM 243, 19 Oct 54

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7"

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000101020019-7

ALFIMOV, A.N.
USSR/Engineering-Metallurgy

FD-1381

Card 1/1 : Pub. 41-8/18

Author : Alfimov, A. N. and Gulyayev, A. P.

Title : On the rate of growth of martensite crystals

Periodical : Izv. AN SSSR. Otd. tekh. nauk 3, 88-90, March 1954

Abstract : Describes experiments conducted in ultrasonic laboratory of TsNIITMASh (Central Scientific Research Institute of Technology and Machine Building) for measuring formation time of martensite crystal, using cathode-ray oscilloscope. Illustration of experimental device is given. Four references; 1 USSR.

Institution :

Submitted : February 10, 1954

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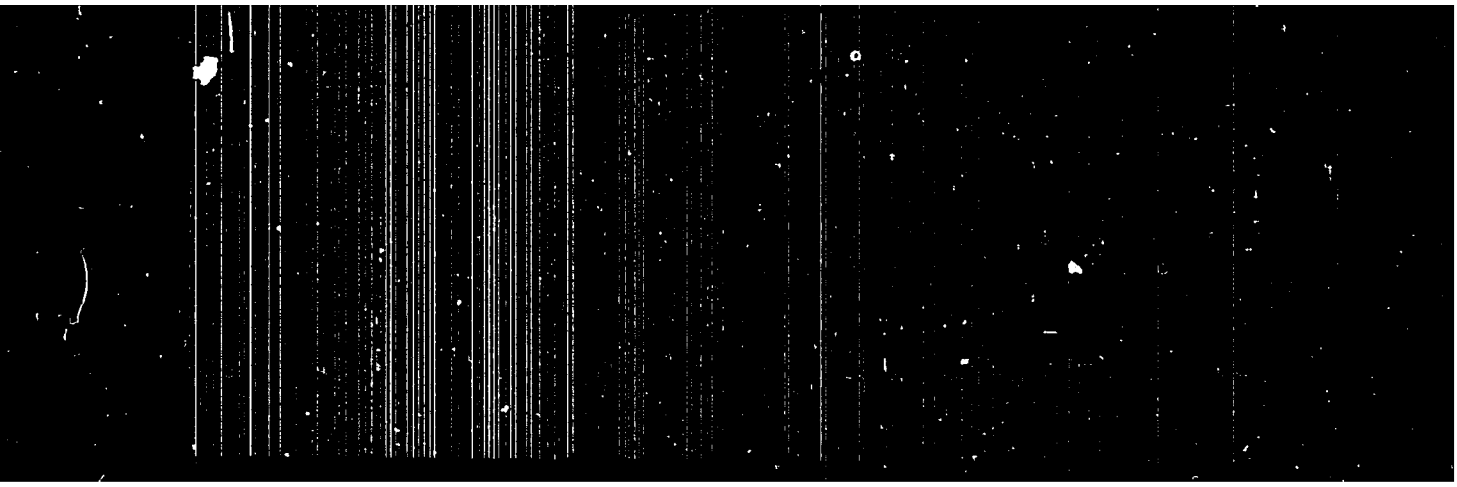

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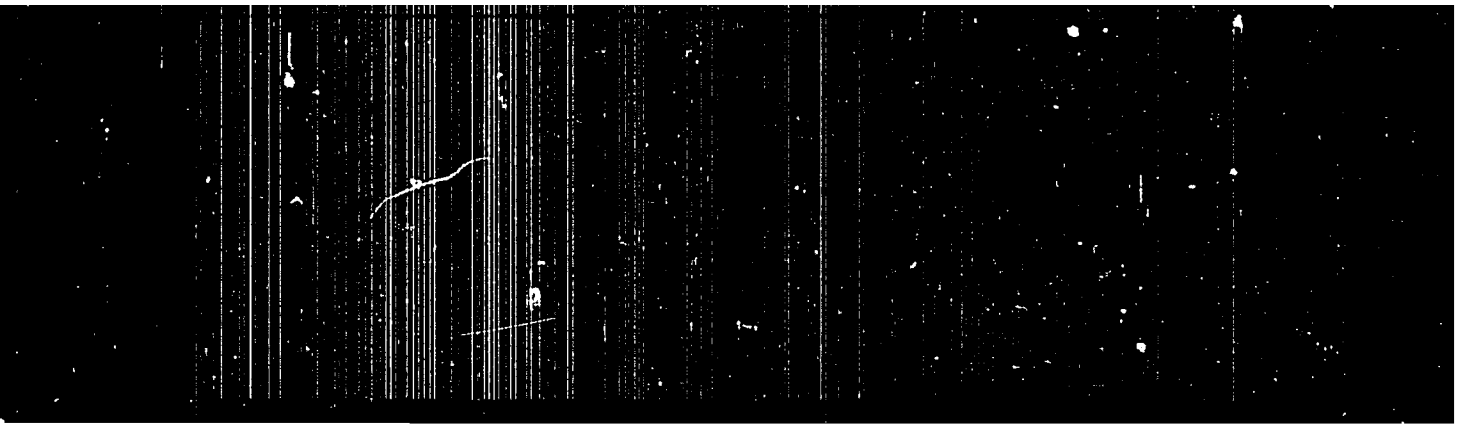

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