LOGACHEV, A. A.

Logachev, A. A. "Magnetometry as a Part of Geological Prospecting in the Urals." Priroda, Moscow, No. 5, 1934, pp. 65-71.

LOGACHEV, A. A.

Logachev, A. A. "Magnetic Geo-Survey Made During Movement." Izvestiia Vsesoiuznogo Geograficheskogo Obshchestva, Leningrad, vol. 71, No. 6, 1936, pp. 897-901.

Logachev, A. A.

Logachev, A. A. "Measurement of the Magnetic Properties of Rocks Made on Samples in Their Natural Condition." Informatsionnyi Sbornik po Zemnomu Magnetizmu i Elektrichestvu, Leningrad, No. 4, 1937, pp. 32-34.

[redacted], A. A.

Logachev, A. A. and Yuneev, M. B. "Measurements of Residual Magnetism and Magnetic Succeptibility in Samples of Rocks (in Con ection with Magnetic Surveys)." Razvedka Nedr, Moscow, No. 1, 1938, pp. 42-51.

LOGACHEV, A. A., SOLODUKHO, O. Yu., and BERSUDSKIY, L. D.

Kurs. Magnitorazvedki, (Course in Magnetic Prospecting) GONTI 1940.

LOGACHEV, A. A.

PHASE I TREASURE ISLAND BIBLIOGRAPHICAL REPORT AID 680 - I

BOOK

Call No.: AF479131

Author: LOGACHEV, A. A., Prof.
Full Title: COURSE IN MAGNETIC SURVEY
Transliterated Title: Kurs magnitorazvedki

PUBLISHING DATA

Originating Agency: None
Publishing House: State Publishing House of Geological Literature
Date: 1951 No. pp.: 306 No. of copies: 7,000
Editorial Staff
Contributors: Kazanskiy, A. P. and Norikov, G. F.

PURPOSE: Approved as a textbook for students specializing in geophysical methods of prospecting for mineral resources by the Ministry of Higher Learning of the USSR.

TEXT DATA

Coverage: In this course on magnetic prospecting the author describes the instruments which have recently come into use, including the aerial magnetometer of his own design. In addition to the commonly used magnetometers, the course contains the description of magnetometers used in the USSR. Part II deals with theoretical principles of magnetic survey and analysis of typical magnetic

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anomalies. Special attention is paid to methods developed by Soviet scientists like A. P. Kazanskiy (p.150-156), B. A. Andreyev (p.156-163) and others. In the last part of the book the author discusses the organization of field work. Methods of utilizing magnetic survey in prospecting for iron deposits and ores of other metals such as bauxite, magnetic pyrite, manganese, and polymetallic sulfide are illustrated by concrete examples. The book contains many practical indications and a map of the magnetic field Za for Central European Russia.

No. of References: 35 Russian refs. (1916-1950)

Facilities: Ivanov, N. A., Head, Department of Geophysical Methods of Survey, Sverdlovsk Institute of Mines

LOGACHEV, A.A.

LOGACHEV, A.A.; IVANOV, N.A., redaktor.

[Manual of instructions for surface work in magnetic prospecting] Instruktsiia po magnitorazvedke dlia nazemnykh rabot. Utverzhdena E.T.Shatalovym 30 iiunia 1952 g. Moskva, Gos. izd-vo geol. lit-ry, 1952. 82 p. (MLRA 7:4)

1. Russia (1923- U.S.S.R.) Ministerstvo geologii.
(Prospecting--Geophysical methods)

LOGACHEV, A.A.; GAMBURTSEVA, Ye.Ye., redaktor; POPOV, N.D., tekhnicheskiy redaktor

[Methods manual on magnetic aerial surveying] Metodicheskoe rukovodstvo po aeromagnitnoi s?emke. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po geologii i okhrane nedr, 1955. 145 p.(MLRA 8:10)
(Magnetism, Terrestrial) (Surveying)

LOGACHEV, Aleksandr Andreyevich; YAKOVSKIY, B.M., redaktor; KOLOSKOVA, M.I., redaktor; POPOV, N.D., tekhnicheskiy redaktor; GUROVA, O.A. tekhnicheskiy redaktor.

[Course in magnetic prospecting] Kurs magnitorazvedki. Moskva, Gos. nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nedr, 1955. 301 p. (Prospecting-Geophysical methods) (MLRA 9:1)

LOGACHEV, A.A.

Computing the horizontal component of a magnetic anomaly on the basis of fixed distribution of the vertical component. Razved. i okh.nedr 21 no.1:40-44 Ja-F '55. (MLRA 9:12)

(Prospecting--Geophysical methods)
(Magnetic measurements)

LOGACHEV, A. A., Leningrad Mining Institute

"Aerogeophysical Methods, Their Status in Geological Surveying and Research Work on Ways of Improving Their Efficacy," paper presented at the All-Union Interdepartmental Conference on Aerial Surveying, Leningrad, 25 Nov-1 Dec 1956.

SUM: 1391

LOGACHEV, A., doktor fiziko-matematicheskikh nauk.

Concerning the review on A.A.Logachev's book "Practical handbook on aerial magnetic surveying." Izv.AN SSSR Ser.geofiz.no.3:371-374 Mr '56. (MLRA 9:7)
(Magnetism, Terrestial) (Surveying) (Logachev, A.A.)

15-57-5-6839

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 5, p 160 (USSR)

AUTHOR: Logachev, A. A.

TITLE: An Approximate Analytical Expression for the Magnetic Field ΔT and Its Use in Calculating the Elements Relating to the Occurrence of Magnetized Bodies (Priblizhennoye analiticheskoye vyrazheniye magnitnogo polya ΔT i yego ispol'zovaniye dlya vychisleniya elementov zaleganiya namagnichennykh tel)

PERIODICAL: Materialy Vses. n.-i. geol. in.-ta, 1956, Nr 8, pp 185-194.

ABSTRACT: The author considers the question of the possibility of using curves of the increasing total vector of the earth's field ΔT in calculating the elements relating to the occurrence of magnetized bodies. For small values of ΔT, not exceeding a few thousand gammas, a valid expression is practically identical to the expression for Z_a over magnetized bodies with an

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An Approximate Analytical Expression for the Magnetic (Cont.)

inclined vectorial direction for intensity of magnetization. The author concludes that it is possible to extend to the field of ΔT, measured from an airplane, the methods of solving problems concerning the magnetic field of bodies having inclined magnetization. A simple graph is given for the method of calculating H for a given Z. The proposed method is illustrated by examples. The author discusses the results of calculating the elements relating to the occurrence of magnetized bodies by given curves of Z_a of inclined magnetization or by curves of ΔT.

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A. M. L.

Logachev, A.A.

PHASE I BOOK EXPLOITATION SOV/3852

SOV/7-M-8

Akademiya nauk SSSR. Laboratoriya aerometodov

Trudy, tom 8: Materialy VII Vsesoyuznogo mezhvedomstvennogo soveshchaniya po aeros"yemke 25 noyabrya - 1 dekabrya 1956 g. (Materials of the 7th All-Union Interdepartmental Conference on Aerial Surveying, 25 November-1 December 1956) Moscow, Gosgeoltekhizdat, 1959. 300 p. 5,000 copies printed.

Ed. of Publishing House: V. G. Filatov; Tech. Ed.: O. A. Gurova; Editorial Commission: N. G. Kell', Corresponding Member, Academy of Sciences USSR; A. A. Logachev, V. P. Miroshnichenko (Resp. Ed.), and N. N. Sokolov.

PURPOSE: This publication is intended for photogrammetrists, geologists, geographers, and other scientific and technical personnel concerned with aerial photography.

COVERAGE: This issue of the Transactions of the Laboratory of Aerial Survey Methods contains the second part of materials presented at the 7th All-Union Interdepartmental Conference on Aerial Surveying which took place in Leningrad, November 25 through December 1, 1956. Articles treat problems dealing with the execution and application of aerial survey methods in geological, geomorphological, and geophysical investigations. Special attention is directed to aerial survey methods in geological and geomorphological mapping and geophysical work under different conditions. The techniques of joint airborne magnetic prospecting and aerial photography are described. References accompany individual articles.

TABLE OF CONTENTS:

LOGACHEV, A.A.

Calculation of the strike and dip of magnetized bodies based on data obtained during the magnetic prospecting in mountainous areas. Izv.vys.ucheb.zav.; geol.i razv. 2 no.3: 96-101 Mr '59. (MIRA 12:12)
(Magnetism, Terrestrial)

10(4)

AUTHOR: Logachev A. A.

TITLE: Calculation of the Amount of Silting-up for the Drainage of Rivers After the Channels Have Been Improved

PERIODICAL: Meteorologiya i gidrologiya, 1959, Nr 10, pp 26 - 27 (USSR)

ABSTRACT: The author demonstrates a method for the determination of the coefficient of river-water turbidity during the drainage after the river-channel has been improved. This method is based on the relation between the turbidity coefficient, the mean longitudinal gradient of the river, and the physical and geographical conditions, which are taken into account as a whole. B. V. Polyakov's formula (Ref 1) is written down for determining the turbidity coefficient holding for natural drainage conditions. For the purpose of ascertaining the turbidity coefficient during the drainage after improvement, the actual observations of the turbidity change on the downstream side of the dams were employed. These observations were made by the Akademiya nauk UzSSR (Academy of Sciences of the Uzbekskaya SSR) and the Upravleniye gidrometeorologicheskoy sluzhby UzSSR (Hydrometeorological Ser-

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vice Administration of the Uzbekskaya SSR). Besides, data were used which had been obtained on the turbidity change in some rivers of Soviet Central Asia under natural conditions (Surkhandar'ya river). The diagram of figure 1 demonstrates the change in turbidity with the length of the Tedzhen, Surkhandar'ya, Murgab and Syr-Dar'ya river. The method used for determining the turbidity coefficient during the drainage after the afore-mentioned improvement has been made is based on the method of similarity and consists in the application of a formula written down here for the turbidity coefficient. Figure 2 contains diagrams in which the computed values of turbidity are compared with those obtained from observations. There are 2 figures and 1 Soviet reference.

LOGACHEV, A.A.

Use of higher derivatives of magnetic potential in the magnetic survey. Zap. LGI 39 no.2:25-46 '61. (MIRA 15:2)
(Magnetic prospecting)

S/169/62/000/005/033/033
D228/D307

3.9110

AUTHOR: Logachev, A. A.

TITLE: A general analytical expression for the magnetic field intensity ΔT

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 5, 1962, 33, abstract 5A258 (Zap. Leningr. gorn. in-ta, 39, no. 2, 1961, 47-49)

TEXT: An analytical expression of ΔT was derived for the case of a two-dimensional body with induction magnetization, arbitrarily located in relation to the magnetic meridian. Knowing the analytical expressions of the magnetic field's vertical and horizontal components for a body of set form that is magnetized vertically, this expression can be used to solve the direct problem of magnetometry with respect to the element ΔT. [Abstracter's note: Complete translation.]

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LOGACHEV, A.A.

Conversion of Δ T curves for a comparison with Δ g curves. Zap. LGI 39 no.2:50-51 '61. (MIRA 15:2)
(Prospecting--Geophysical methods)

LOGACHEV, Aleksandr Andreyevich; YANOVSKIY, B.M., doktor fiziko-matem. nauk, prof., retsenzont; REYKHERT, L.A., ved. red.; SAFRONOVA, I.M., tekhn. red.

[Course in magnetic prospecting]Kurs magnitorazvedki. Izd.2., ispr. i dop. Leningrad, Gostoptekhizdat, 1962. 360 p. (MIRA 15:12)

(Magnetic prospecting)

LOGACHEV, A.I.

ORLOV, P.M.; LOGACHEV, A.I.

Livestock section at the All-Union Agricultural Exhibition. Nauka i pered.op.v sel'khoz. 7 no.6:18-19 Je '57. (MLRA 10:7)
(Stock and stockbreeding--Exhibitions)

ROSTOVTSEV, N.; DOBRYNIN, P.; TIKHOMIROV, V.; LOGACHEV, A.I.; SHAKUN, V.; GRUDEV, D.; KUDRYAVTSEV, P.; MALEYEV, M.; SOKOV, N.; KORNIKOV, V.; TOLOKONNIKOV, A.; PUSTOVALOV, A.; RED'KIN, A.; BLOMKVIST, M.; PETROV, N.; SHUBSKIY, I.; SEMENOV, S.; POPOV, G.; ERODOV, K.; KORENEV, P.

Professor M.N. IAkovlev; obituary. Zhivotnovodstvo 19 no.12:90 D '57. (MIRA 10:12)

(IAkovlev, Mitrofan Nikolaevich, 1878-1957)

LOGACHEV, A.V., inzh.

Studying the reduction processes of iron-ore concentrates with the help of improved peat. Stal' 24 no.7:591-592 Jl '64. (MIRA 18:1)

1. Novosibirskiy elektrotekhnicheskiy institut.

LOGACHI V, I

2-58-5-7/17

AUTHOR: Logachev, I.

TITLE: On a Selective Test Census of Population, Occupation and Housing in the German Democratic Republic (O vyborochnoy probnoy perepisi naseleniya, zanyatiy i zhilogo fonda v Germanskoy Demokraticheskoy Respublike)

PERIODICAL: Vestnik Statistiki, 1958, Nr 5, pp 47 - 50 (USSR)

ABSTRACT: The TsSU GDR carried out a test census of the Leipzig district in 1958, as a preliminary to the general census planned for January 1959. The forms which will be used are described. Representatives from the central statistical offices of other socialist countries participated. They included Kozak and Yurochek from Czechoslovakia, Klinger and Sabadi from Hungary, Balevskiy from Bulgaria and Logachev from the USSR.

AVAILABLE: Library of Congress

Card 1/1

LOGACHEV, I.A.

Response to D.N.Kaminskii's article "Ways of improving the organization of electromechanical service in mining" (MLRA 8:12)
Ugol' 30 no.9:42-43 S'55.

1. Glavnyy mekhanik tresta Chelyabinskshakhtostroy
(Electricity in mining) (Kaminskii,D.N.)

LOGACHEV, I.A., inzh. (Sverdlovsk)

Reinforcement of shaft of the "Magnetitovaya"-bis Mine, supported with reinforced concrete tubing. Shakht. stroi. 5 no.10:18-22 O '61. (MIRA 16:7)

1. Trest Soyuzshakhtospetsmontash.
(Sverdlovsk Province—Mine timbering)
(Reinforced concrete construction)

LOGACHEV, I.A., inzh.

Getting the heavy parts of a cone-type crusher into the "Magnetitovayabis" Mine. Shakht. stroi. 6 no.7:16-20 Jl '62. (MIRA 15:7)

1. Trest Soyuzshakhtospetsmontazh.
(Sverdlovsk Province--Mining machinery--Transportation)

LOGACHEV, I.A.

Assembly of mine drain pipes. Stroi. truboprov. 8 no.9:21-22 S '63. (MIRA 16:11)

1. Trest Soyuzshakhtospetsmontazh, Sverdlovsk.

LOGACHEV, Ivan Stratonovich, master; ROMASHKEVICH, Lev Fedorovich, inzhener; ALEKSANDROVSKIY, B.B., red.; LARIONOV, G.Ye., tekhn.red.

[Handbook for coil winders for alternating current electric machines] Pamiatka obmotchiku elektricheskikh mashin peremennogo toka. Moskva, Gos.energ.izd-vo, 1958. 54 p. (Electric coils) (MIRA 12:6)

LOGACHEV, K.D., Starshiy nauchnyy sotrudnik.

Spinal compression syndrome in congenital scoliosis. Ortop. travm. i protez. no.3:18-22 My-Je '55. (MLRA 8:10)

1. Iz Ukrainskogo nauchno-issledovatel'skogo instituta ortopedii i travmatologii im. M.I.Sitenko (dir.--zasluzhennyy deyatel' nauki, professor N.P.Novachenko.
(SCOLIOSIS
congen. with compressive spinal synd.)

LOGACHEV, K.D., st.nauchn.sotr.; SKOBLIN, A.P., kandidat meditsinskikh nauk.

G.I.Turner, pioneer in the application of nervosism to Russian orthopedics. Ortop.travm. i protez. no.4: 64-69 Jl-Ag '55 (MLRA 8:10)

1. Iz Ukrainskogo nauchno-issledovatel'skogo instituta ortopedii i travmatologii im. M.I.Sitenko (dir.-zasluzhennyy deyatel' nauki prof. N.P.Novachenko)
(BIOGRAPHIES,
Turner, G.I.)
(ORTHOPEDICS, history,
contribution if G.I.Turner to introduction of nervosism to orthopedics)

LOGACHEV, K.D., starshiy nauchnyy sotrudnik (Khar'kov)

Neurological syndromes following fractures of the radius. Klin.med. 33 no.4:49-53 Ap '55. (MLRA 8:7)

1. Iz Ukrainskogo nauchno issledovatel'skogo instituta ortopedii i travmatologii imeni prof. M.I.Sitenko (dir.-zasluzhennyy deyatel' nauki prof. N.P.Novachenko).

(FRACTURES,
radius, causing neurol. synd.)
(RADIUS, fractures,
causing neurol. synd.)
(NERVOUS SYSTEM, in various diseases,
radius fract.)

LOGACHEV, K. D.

LOGACHEV, K.D., starshiy nauchnyy sotrudnik (Khar'kov, Primerovskaya ul. d.22, kv.1)

Paraosteal ossifications in lesions of the spinal cord caused by fractures of the spine [with summary in English] Vest.khir. 78 no.4:76-80 Ap '57. (MLRA 10:7)

1. Iz Ukrainskogo nauchno-issledovatel'skogo instituta ortopedii i travmatologii im. prof. M.I.Sitenko (dir. - prof. N.P.Novachenko)

(SPINE, fractures
causing spinal cord lesions & para-osteal ossifications (Rus))

(SPINAL CORD, wounds and injuries
in spine fract., with para-osteal ossifications (Rus))

(OSSIFICATION,
para-osteal in spinal cord lesions caused by spine fract. (Rus))

LOGACHEV, K.D.

Paraosseous and para-articular ossification in patients with a fractured spine. Vop.neirokhir. 22 no.6:34-35 N-D '58. (MIRA 12:2)

1. Ukrainskiy nauchno-issledovatel'skiy institut ortopedii i travmatologii imeni prof. M.I. Sitenko.

(SPINE, fractures,
causing para-osseous & para-articular ossification (Rus))

(OSSIFICATION, etiol. & pathogen.
spinal fract. causing para-osseous & para-articular ossification (Rus))

LOGACHEV, K. D., Doc Med Sci (diss) -- "Paraossal ossification in traumas of the spinal cord and spine". Khar'kov, 1959. 22 pp (Min Health Ukr SSR, Khar'kov Med Inst) (KL, No 21, 1959, 118)

LOGACHEV, K.D., starshiy nauchnyy sotrudnik

Paraosseous ossifications in juries of the spinal cord and spine. Ortop.travm. i protez. 20 no.7:33-38 Jl '59. (MIRA 12:10)

1. Iz Ukrainskogo nauchno-issledovatel'skogo instituta ortopedii i travmatologii im. M.I.Sitenko (dir. - chlen-korrespondent AMN SSSR prof.N.P.Novachenko).
(SPINAL CORD wds. & inj.)
(SPINE wds. & inj.)
(OSSIFICATION)

LOGACHEV, K.D., dotsent

Some dystrophic syndromes accompanying myocardial infarct. Vrach. delo no. 1:32-34 '61. (MIRA 14:4)

1. Kafedra nervnykh bolezney (zav. - dotsent K.D. Logachev) Khar'kovskogo meditsinskogo stomatologicheskogo instituta.
(HEART--INFARCTION) (SHOULDER GIRDLE--DISEASES)

LOGACHEV, K.D.

Tasks of neuropathology and psychiatry. Zhur. nevr. i psikh. 62 no.5:772-775 '62. (MIRA 15:6)

(PSYCHIATRY)
(NERVOUS SYSTEM--DISEASES)

LOGACHEV, K.D., prof.

Neurological symptoms in progressive muscular ossification.
Vrach.delo no.11:73-77 N '62. (MIRA 16:2)

1. Kafedra nervnykh bolezney (zav. - prof. K.D. Logachev)
Khar'kovskogo meditsinskogo stomatologicheskogo instituta.
(MUSCLES—DISEASES) (OSSIFICATION)

LOGACHEV, K.D., prof. (Khar'kov, Primerovskaya ul., d. 22, kv.1)

Clinical aspects of agenesis of the sacrococcygeal region of the spine. Ortop., travm. i protez. 24 no.8:28-32 Ag '63. (MIRA 17:1)

1. Iz kafedry nervnykh bolezney (zav. - prof. K.D. Logachev) Khar'kovskogo meditsinskogo stomatologicheskogo instituta (rektor - dotsent G.S. Voronyanskiy) i Ukrainskogo instituta ortopedii i travmatologii imeni M.I. Sitenko (dir. - chlen-korrespondent AMN SSSR prof. N.P. Novachenko).

LOGACHEV, K.D.

Familial form of lumbosacral syringomyelia. Zhur. nevr. i psikh. 64 no.6:806-810 '64. (MIRA 17:12)

1. Klinika nervnykh bolezney (zaveduyushchiy - prof. K.D. Logachev) Khar'kovskogo meditsinskogo stomatologicheskogo instituta.

LOGACHEV, K.D.

Neurological syndromes in some diseases of the locomotor apparatus. Zhur. nevr. i spikh. 65 no.2:204-209 '65.
(MIRA 18:9)

1. Klinika nervnykh bolezney (zaveduyushchiy - prof. K.D. Logachev) Khar'kovskogo meditsinskogo stomatologicheskogo instituta.

LOGACHEV, K.D.

Progressive muscular ossification as a neurological disease. Zhur. nevr. i psikh. 65 no.7:1014-1018 '65. (MIRA 18:7)

1. Klinika nervnykh bolezney (zav. - prof. K.D.Logachev) Khar'kovskogo meditsinskogo stomatologicheskogo instituta.

LOGACHEV, K.D., prof. (Khar'kov)

In memory of Natalia Aleksandrovna Zolotova, 1894-1944. Ortop., travm. i protez. 24 no.11:79 N '63.

(MIRA 17:10)

PROKAPALO, I.S., kand. sel'khoz. nauk; TREGUBENKO, M.Ya. [Trehubenko, M.IA.], kand. sel'khoz. nauk; ARTYUKHOV, Y.K., kand. sel'khoz. nauk; KRYACHKO, P.G.[Kriachko, P.H.], st. nauchn. sotr.; MAKODZEBA, I.O., kand. sel'-khoz. nauk; SIDENKO, I.O., kand. biol. nauk; SUSIDKO, P.I., kand. biol. nauk; REPIN, A.M.[Riepin, A.M.], kand. sel'khoz. nauk; LOGACHOV, M.I.[Lohachov, M.I.], kand. sel'khoz. nauk; USTAPOV, V.I., kand. sel'khoz. nauk; ZAPOROZHCHENKO, O.L., kand. sel'kh.nauk;FLYAGIN,A.D.[Fliahin,A.D.], kand. ekon. nauk; KANIVETS', I.D., st. nauchn. sotr.; SKRIPNIK, P.S.[Skrypnyk, P.S.], red.; GULENKO, O.I. [Hulenko, O.I.], tekhn. red.

[Advanced practices in growing corn] Peredovi metody vy-roshchuvannia kukurudzy. 2., perer. i dop. vyd. Kyiv, Derzhsil'hospvydav, URSR, 1962. 231 p. (MIRA 17:1)

S/131/62/000/006/002/002
B117/B101

AUTHORS: Strelets, V. M., Pitak, N. V., Kulik, A. I., Logachev, M. S.

TITLE: Laboratory investigations of the technology of zircon products

PERIODICAL: Ogneupory, no. 6, 1962, 283-288

TEXT: The influence of the following factors on the physico-chemical properties of zircon products was studied: grain composition, molding pressure, burning temperature, admixtures of clay, raw zircon concentrate (ЦМТУ 2002-47 (TsMTU 2002-47)), and raw non-ferrous zircon (ЦМТУ 4469-54 (TsMTU 4469-54)), the object being to establish optimum masses and working standards for the production of proportioning ladles for use in continuous steel-casting foundries. The lowest apparent porosity and the highest weight by volume were determined after drying (at 120°C) of samples made up of 1.5-0.5 mm grains (50%) and of < 0.088 mm grains (50%), and after burning (at 1550°C for 2 hrs) of samples made up of 1.5-0.5 mm grains (30%) and of < 0.088 mm grains (70%). A pressure of 500 kg/cm^2 was found sufficient for the production of dosing cups, as an increase in

Laboratory investigations of ...

pressure from 500 to 1250 kg/cm^2 reduced the apparent porosity by 1.5-3.0% only. The fine grain size (< 0.088 mm) of burned zircon could be replaced by the same grade of raw zircon. An increase of the burning temperature from 1550 to 1650°C raised the linear shrinkage from 2 to 5-6% and the compressive strength from 400-600 to 900-1000 kg/cm^2. Addition of 5-10% clay improved the plasticity and made molding easier. High-strength products (~900 kg/cm^2) were obtained at lower temperature (1500-1550°C). Raw zircon and zircon concentrate may be used for smaller sized products, which must be burned at < 1550°C to avoid swelling. Addition of clay reduces the temperature of sample destruction under loads of 2 kg/cm^2 by 150-200°C. This temperature reduction is smaller for samples of burned zircon. There are 2 figures and 5 tables.

ASSOCIATION: Ukrainskiy nauchno-issledovatel'skiy institut ogneuporov (Ukrainian Scientific Research Institute of Refractory Materials) (Strelets, V. M., Pitak, N. V.); Chasov-Yarskiy kombinat ogneupornykh izdeliy (Chasov Yar Combine of Refractory Products) (Kulik, A. I., Logachev, M. S.)

LEVINTOVICH, E.V.; SHAKHTIN, D.M.; KULIK, A.I.; LOGACHEV, M.S.; MIROSHNICHENKO, V.Ya.; SLAVGORODSKAYA, Ye.Ya.

Determining the weight by volume and density variations of a glass bar by the absorption of gamma rays. Ogneupory 28 no.1: 17-21 '63. (MIRA 16:1)

1. Ukrainskiy nauchno-issledovatel'skiy institut ogneuporov (for Levintovich, Shakhtin). 2. Chasov-Yarskiy kombinat ogneupornykh izdeliy (for Kulik, Logachev, Miroshnichenko, Slavgorodskaya).
(Refractory materials—Testing)
(Gamma rays—Industrial applications)

STRELETS, V.M.; PITAK, N.V.; KULIK, A.I.; LOGACHEV, M.S.; Prinimala uchastiye VYSOTSKAYA-KVITKO, T.M.

Service of zircon nozzles in the continuous casting of steel. Ogneupory 28 no.4:163-165 '63. (MIRA 16:6)

1. Ukrainskiy nauchno-issledovatel'skiy institut ogneuporov (for Strelets, Pitak). 2. Chasov-Yarskiy kombinat ogneupornykh izdeliy (for Kulik, Logachev).

LOGACHEV, N.

"A High-Production Turning Lathe for Machining Projectiles" Stanki i Instrument, 10, No. 5, 1939.

[redacted] Report U-1505, 4 Oct. 1951.

LOGACHEV, N.A.; KRAVCHENKO, Ye.V.

Basalt distribution in the Tunkin depression. Dokl. AN SSSR 104 no.4:597-600 O '55. (MLRA 9:2)

1.Institut geologii Vostochno-Sibirskogo filiala Akademii nauk SSSR i Vostochno-Sibirskiy geologo-razvedochnyy trest. Predstavlena akademikom N.S.Shatskim.
(Tunkin depression--Basalt)

LOGACHEV, N.A.

Stratigraphy of Cenozoic deposits of intermontane basins according to data of pollen analysis. Izv. vost. fil. AN SSSR no.12:27-32 '57. (MIRA 11:1)

1. Vostochno-Sibirskiy filial AN SSSR.
(Baikal region--Geology, Stratigraphic) (Palynology)

LOGACHEV, N.A.

Possible correlation of cross sections of Baikal intermountainous sediments based on terrigenous components. Trudy Vost.-Sib. fil. AN SSSR no.14:175-185 '58. (MIRA 12:3)
(Baikal region--Geology, Stratigraphic)

LOGACHEV, N.A.; ABRAMOVA, T.K.

Characteristics of the Cenozoic geology of the southeastern part of the Irkutsk amphitheater. Trudy Vost.-Sib. fil. AN SSSR no.14:114-128 '58. (MIRA 12:3)

(Irkutsk Province--Geology)

AUTHOR: Logachev, N.A. 11-58-4-2/16

TITLE: Cenozoic Continental Deposits of Baykal Type Depressions (Kaynozoyskiye kontinental'nyye otlozheniya vpadin Baykal'skogo tipa)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Geologicheskaya, 1958, Nr 4, pp 18-29 (USSR)

ABSTRACT: Explorations of past years showed that the formation of Baykal-type depressions occurred after the formation of Mesozoic strata and that there was no successiveness between the development of the Mesozoic (Transbaykalian) and Cenozoic (Baykalian) depressions. The Cenozoic sedimentary accumulation was not connected with the Mesozoic sedimentary formation, either in time or in space because of the shifting of tectonic activity in Cenozoic time to the border of the Siberian plateau. Cenozoic deposits of depressions in the mountainous Baykal region occur mainly on a complexly dislocated base of metamorphic and erupted rocks of Pre-Cambrian and partly Paleozoic periods. In many depressions of the Baykal region, no Mesozoic deposits were found at all. After the study of columnar sections of many depressions of the Baykal region, the author established the following scheme for the stratigraphy of the Cenozoic

Card 1/3

series: 1. Carbonaceous suite (Miocene - Lower Pliocene); 2. "Ocherous (okhristaya) suite (Upper Pliocene); 3. Tuffogenous-sedimentary suite (Upper Pliocene and Post-Pliocene); 4. Sandstone suite (Middle and Upper Pleistocene); 5. Recent deposits (Holocene). The author describes in detail the characteristics of these suites. Studying the distribution of the deposits, the author distinguishes two phases in the cycle of Cenozoic sedimentary accumulation. A particular relief, expressing the tectonic regime and the climate, roughly corresponds to each of two phases. The first phase, which embraces the time of formation of the carbonaceous suite of Miocene - Lower Pliocene periods, took place in the conditions of a quiet relief and of a slow sagging of the depressions. Numerous remains of flora show that the climate was humid and warm. The second phase, embracing the Upper Pliocene and Tertiary periods took place during a gradual cooling of the climate and was characterized by the appearance of the taiga and the steppe. The composition of the "ocherous" and tuffogenous-sedimentary suites showed that they were mainly formed by the fluvial and volcanogenous deposits. On the other part, the composition of the deposits of the late neogene indicated the violent process of the elevation of mountain ranges and the intensive sinking of

Cenozoic Continental Deposits of Baykal Type Depressions 11-58-1-2/16

depressions. In spite of the intensive accumulation of deposits, they could not fill up the increasing capacity of the depressions and some of them became reservoirs for fresh water. Lake Baycal, the largest fresh water reservoir in the world, was formed in that period. There is 1 map, 3 figures and 16 Soviet references.

ASSOCIATION: Vostochno Sibirskiy Filial AN SSSR, Irkutsk (East Siberian Branch of the AS USSR, Irkutsk)

SUBMITTED: March 20,1957

Card 3/3 1. Geology - USSR 2. Geological time - Determination

LOGACHEV, N.A.

Origin of Quaternary sands in the Baikal region. Izv. Sib. otd. AN SSSR Geol. i geofiz. no. 1:84-95 '58. (MIRA 14:5)

1. Vostochno-Sibirskiy filial AN SSSR.
(Baikal region--Sand)

LOGACHEV, N.A., red.; MINEYEV, I.K., red.; ODINTSOV, M.M., red.; POGODIN, Yu.V., red.; TARNOVSKIY, G.N., red.; TUMOL'SKIY, L.V., red.; PERLOVICH, E.F., red.; KARAS', V.D., tekhn. red.

[Summaries of the reports of the Conference on Mineral Resources and the Geology of the Siberian Platform]Tezisy dokladov Soveshchaniia po geologicheskomu stroeniiu i mineral'nym resursam Sibirskoi platformy. Irkutsk, Akad. nauk SSSR, Sibirskoe otd-nie. No.4. 1960. 138 p. (MIRA 15:11)

1. Soveshchaniye po geologicheskomu stroyeniyu i mineral'nym resursam Sibirskoy platformy.
(Siberian Platform--Geology)
(Siberian Platform--Mines and mineral resources)

LOGACHEV, N.A.; POPOVA, S.M.

Find of molluscs of the genus Corbicula in Quaternary deposits of the Lake Baikal region. Dokl. AN SSSR 143 no.1:188-190 Mr '62. (MIRA 15:2)

1. Vostochno-Sibirskoy geologicheskiy institut Sibirskogo otdeleniya AN SSSR. Predstavleno akademikom A.L.Yanshinym.
(Sukhnay Baybet Region--Geology, Stratigraphic)
(Lamellibranchiata, Fossil)

BALAKINA, L.M.; BULMASOV, A.P.; DUVZHIR, G.; YESKIN, A.S.; KURUSHIN, R.A.; LOGACHEV, N.A.; LUK'YANOV, A.V.; NATSAG-YUM, L.; SOLONENKO, V.P., prof.; TRESKOV, A.A.; FLORENSOV, N.A.; KHIL'KO, S.D.; SHMOTOV, A.P.; ARSEN'YEV, A.A., red.izd-va; DOROKHINA, I.N., tekhn. red.

[Gobi Altai earthquake] Gobi-Altaiskoe zemletriasenie. Moskva, Izd-vo Akad. nauk SSSR, 1963. 390 p. (MIRA 16:5)

1. Akademiya nauk SSSR. Sibirskoye otdeleniye. Vostochno-Sibirskiy geologicheskiy institut. 2. Chlen-korrespondent Akademii nauk SSSR (for Florensov).
(Gobi Altai--Earthquakes)

ODINTSOV, M.M., doktor geol.-min. nauk, otv. red.; PAL'SHIN, G.B., kand. geol.-min. nauk, red.; LOGACHEV, N.A., red.; PINNEKER, Ye.V., red.; GRECHISHCHEV, Ye.K., kand. tekhn. nauk, red.; ASTRAKHANTSEV, V.I., red.; VOLOGODSKIY, G.P., red.; KUKUSHKIN, I.P., red.; FEDOROV, I.P., red.; TIZDEL', R.R., red.; SEDOVA, N.G., red.; YERMAKOV, V.F., red.; ASTAF'YEVA, G.A., tekhn. red.; POLYAKOVA, T.V., tekhn. red.

[Bratsk Reservoir; engineering geology of the territory] Bratskoe vodokhranilishche; inzhenernaia geologiia territorii. Moskva, Izd-vo AN SSSR, 1963. 274 p. (MIRA 16:12)

1. Akademiya nauk SSSR. Sibirskoye otdeleniye. Institut zemnoy kory.
(Bratsk Reservoir region--Engineering geology)

LOGACHEV, N.A.; POPOVA, S.M.

Fossil mollusks of the Bayanday series (Angara-Lena intervluve) and the stratigraphy of Tertiary sediments in the Lake Baikal region. Geol. i geofiz. no.8:26-37 '63. (MIRA 16:10)

1. Institut zemnoy kory Sibirskogo otdeleniya AN SSSR, Irkutsk i Limnologicheskiy institut Sibirskogo otdeleniya AN SSSR, s.Listvennichnoye.
(Baikal Lake region—Mollusks, Fossil)

LOGACHEV, N.A.; LOMONOSOVA, T.K.; KLIMANOVA, V.M.; FLORENSOV, N.A., otv. red.;

[Cenozoic sediments of the Irkutsk amphitheater] Kainozoiskie otlozheniia Irkutskogo amfiteatra. Moskva, Izd-vo "Nauka," 1964. 193 p. (MIRA 17:6)

1. Chlen-korrespondent AN SSSR (for Florensov).

LOGACHEV, N.A.; POPOVA, S.M.

More about the find of Tertiary marine mollusks in the cis-Baikal region. Izv. AN SSSR. Ser. geol. 30 no.8:118-120 Ag '65.
(MIRA 18:9)

1. Institut zemnoy kory Sibirskogo otdeleniya AN SSSR i Limnologicheskiy institut Sibirskogo otdeleniya AN SSSR, Irkutsk.

LOGACHEV, N. F.

"German Machine Tool Building, as seen at the 1939 Leipzig Exhibit", Stanki i Instrument 10, No. 8, 1939.

[redacted] Report U-1505, 4 Oct 1951

LOGACHEV, N. F., Engineer

"Equipment for Production of Artillery Projectiles and the Technology of Their Machining," Stanki i Instrument, 10, No. 9, 1939

[redacted] Report U-1505, 4 Oct 1951.

LOGACHEV, N. F.

"Production of Cartridge Cases for Artillery Projectiles," Stanki i Instrument, 10, Nos. 10-11, 1939.

[redacted] Report U-1505, 4 Oct. 1951

LOGACHEV, N. F.

"A Boring Drill," Stanki i Instrument, 10, No. 12, 1939.

[redacted] Report U-1505, 4 Oct 1951.

LOGACHEV, N. F.

"Hydraulic Shifting of Gears in Speed Boxes," Stanki i Instrument, 10, No. 12, 1939.

[redacted] Report U-1505, 4 Oct 1951.

LOGACHEV, N. F.

"A QUICK ACTING CHUCK FOR BEVEL GEARS," Stanki i Instrument, 10, No. 12, 1939.

[redacted] Report U-1505, 4 Oct. 1951.

USSR/Cultivated Plants - Grains. I.

Abs Jour : Ref Zhur - Biol., No 18, 1958, 84077

Author : Artyukhov, IK., Logachev, N.I.
Inst : -
Title : Effectiveness of Mineral Fertilizers in Row-by-Row Placement Under Millet in the Ukrainian Steppe.

Orig Pub : Udobreniye i urozhay, 1957, No 5, 46-52.

Abstract : No abstract.

Card 1/1

LOGACHEV, N. I., Cand Agric Sci (diss) -- "The effectiveness of organic and mineral fertilizers when applied to millet before and during sowing on the steppes of the Ukrainian SSR". Khar'kov, 1960. 16 pp (Min Agric Ukr SSR, Khar'kov Order of Labor Red Banner Agric Inst im V. V. Dokuchayev), 150 copies (KL, No 12, 1960, 129)

LOGACHEV, N.T., inzh.

KSP-1m scraper conveyer in inclined workings. Shakht. stroi. 5 no.5:25-26 My '61. (MIRA 14:6)

1. Krivorozhskiy filial Ukrainskogo nauchno-issledovatel'skogo instituta organizatsii i mekhanizatsii shakhtnogo stroitel'stva. (Mine haulage) (Conveying machinery)

LOGACHEV, N.T., inzh.

Working the Malgovert tunnel in pressure quicksand with the help of chemical stabilization of the ground. Shakht.stroi. 8 no.1: 27-28 Ja '64. (MIRA 17:4)

LOGACHEV, N.T., inzh.

Mining in difficult hydrogeological conditions. Shakht. stroi. 8 no.6:29-30 Je '64. (MIRA 17:10)

VAGIN, G.I., inzh.; LOGACHEV, N.T., inzh.

Waterproofing mine shafts in the western Donets Basin. Shakht. stroi. 9 no.4:20-23 Ap '65. (MIRA 18:5)

1. Trest Pavlogradshakhtostroy (for Vagin). 2. Krivorozhskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta organizatsii i mekhanizatsii shakhtnogo stroitel'stva (for Logachev).

LOGACHEV, P.

Contribution of inventers and efficiency workers to the seven-year plan. Mor. flot 21 no.10:31 O '61. (MIRA 14:9)

1. Nachal'nik otdela po delam izobretatel'stva i ratsionalizatsii Technicheskogo upravleniya Ministerstva morskogo flota SSSR.

(Merchant marine—Technological innovations)

LOGACHEV, K., inzh.-kapitan-tekhnik, doktor nauk

Vessels for the transportation of liquified gas. Mor. flot 22 no.12:38-39 D '62. (MIRA 15:8)

1. Tsentral'nyy nauchno-issledovatel'skiy institut morskogo flota.

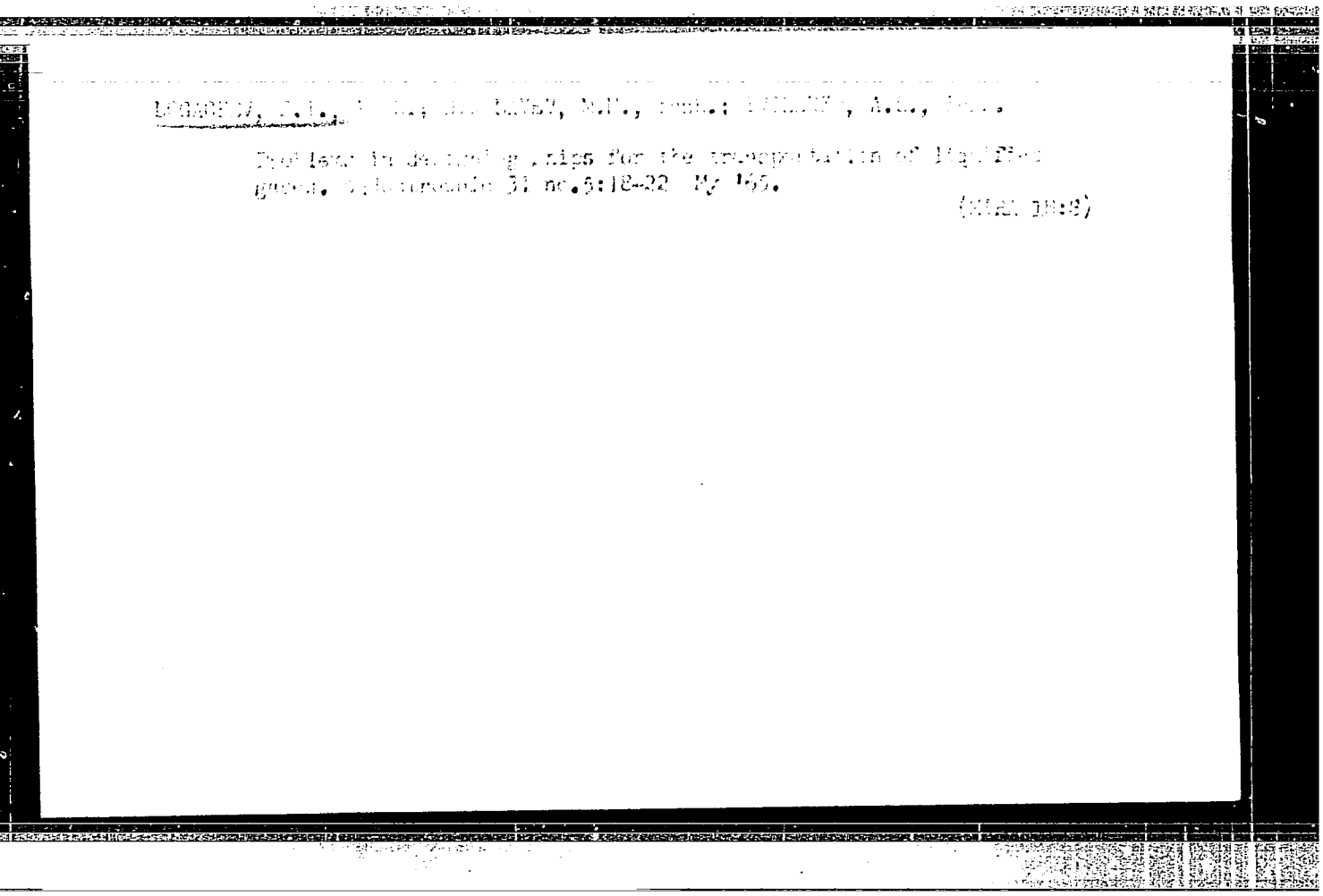
LOGACHEV, S.I., inzh.

All Union Conference on Problems of the Design of Large Tankers.
Sudostroenie 27 no.11:76-77 N '61. (MIRA 15:1)
(Tank vessels--Congresses)

DORIN, V.S., kand.tekhn.nauk; ARAKEL'YAN, G.V., inzh.; LOGACHEV, S.I., inzh.; NIKOLAYEV, M.M., inzh.

Advantage of designing large-tonnage tank vessels with excess metacentric height. Sudostroenie 29 no.7:5-8 Jl '63. (MIRA 16:9)

(Tank vessels) (Naval architecture)



ACC NR: AM7002942 (N) Monograph UR/

Logachev, Stanislav Ivanovich; Nikolayev, Mikhail Mikhaylovich

Vessels for transportation of liquefied gases (Suda dlya perevozki szhizennykh gazov) Leningrad, Izd-vo "Sudostroyeniye", 66. 0258 p. illus., biblio. Errata slip inserted. 1,200 copies printed.

TOPIC TAGS: shipbuilding engineering, ocean transportation, gas carrier, liquefied gas

PURPOSE AND COVERAGE: This book is the first systematic compilation of data published in domestic and foreign periodicals and literature on designing and constructing ships for transporting liquefied gases. Special design features for gas carriers with regard to the specific nature of cargo transported are explained. Basic types of foreign-made gas carriers are examined and the problem of dimensions, cargo-carrying capacity, and speed are discussed. The question of the selection of the most suitable type of ship cisterns for liquefied gases is analyzed in detail, including considerations of construction material, shape, and cubic volume of the cisterns as well as their insulation and method of securing them in the bilge. The economics of ocean transportation of gas is elucidated. The book is intended for engineers and technicians of the shipbuilding engineering

Card 1/2 UDC: 629.123.563

ACC NR: AM7002942

industry. It may be useful to students of institutions of higher education for shipbuilding and also to naval personnel.

TABLE OF CONTENT [abridged]:

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LOGACHEV, V., podpolkovnik

Contaminating factors of a nuclear explosion and protection from them. Voen. vest. 43 no.2:106-109 F '64.
(MIRA 17:1)

9,2580

S/141/62/005/002/011/025
E192/E382

AUTHORS: Logachev, V.A., Pozdeyev, O.D. and Troitskiy, V.S.

TITLE: Influence of the flicker effect on the oscillation-amplitude fluctuations of a vacuum-tube oscillator

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiofizika, v. 5, no. 2, 1962, 307 - 310

TEXT: The problem was investigated experimentally by using an oscillator based on a tube, type 6Zh1P (6Zh1P), operating as a tuned anode system at a frequency of 300 kc/s. The amplitude of the oscillations could be varied continuously by changing the coupling coefficient between the tuned circuit and the grid circuit of the tube. The oscillator was provided with an amplitude detector and a spectrum analyser for measuring the amplitude fluctuations between 1 and 100 c.p.s. The output voltage of the analyser was measured by a vacuum-tube voltmeter having a time constant of 5 sec. It was found that the dependence of the spectral density of the amplitude fluctuations on frequency is in the form $w_a(f) = Af^{-\alpha}$ where $\alpha \simeq 1$ and

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the quantity A is dependent only on the amplitude of the oscillations and the parameters of the oscillator tube. The amplitude-fluctuation spectrum W_a is thus a function of the same type as the flicker-noise spectrum W_1. The above results agree with the theoretical findings of V.S. Troitskiy (Izv. vyssh. uch. zav. - Radiofizika, v.1, 1, 21, 1958 and v.2, 574, 1959). The theory and experiments are in good agreement at small values of the oscillation amplitude and, in particular, for tubes having high flicker noise. On the other hand, the theory does not agree with the experiment at large oscillation amplitudes, which may be due to the fact that the dynamic theory of V.S. Troitskiy is not valid for this case. There are 4 figures.

ASSOCIATION: Nauchno-issledovatel'skiy radiofizicheskiy institut pri Gor'kovskom universitete (Scientific Research Radiophysics Institute of Gor'kiy University)

SUBMITTED: August 29, 1961

LOGACHEV, V.A.; POZDEYEV, O.D.; TROITSKIY, V.S.

Influence of the flicker effect on the fluctuations of amplitude oscillations in an electron-tube oscillator. Izv. vys. ucheb. zav.; radiofiz. 5 no.2:307-310 '62. (MIRA 15:5)

1. Nauchno-issledovatel'skiy radiofizicheskiy institut pri Gor'kovskom universitete.
(Oscillator, Electron-tube--Noise)

PLAKIDA, A.K., inzh.; LOGACHEV, V.F., inzh.; PLISFEDER, M.R., inzh.

Introduction of the multiple machining of parts. Mashinostroenie no.2:3-9 Mr-Ap '62. (MIRA 15:4)

1. Proyektno-konstruktorskiy tekhnologicheskiy institut Odesskogo sovnarkhoza.
(Factory management) (Metal cutting)

KURNOSOVA, L.V.; LOGACHEV, V.I.; RAZORENOV, L.A.; FRADKIN, M.I.

Radiation effects at a great altitude. Priroda 50 no. 4:86 Ap '61. (MIRA 14:4)

(Altai Territory—Coal)

LOGACHEV, V.I.

PHASE I BOOK EXPLOITATION SOV/4252

Akademiya nauk SSSR

Iskusstvennyye sputniki zemli, vyp. 5 (Artificial Earth Satellites, No. 5) Moscow, Izd-vo AN SSSR, 73 p. Errata slip inserted. 7,000 copies printed.

Resp. Ed.: L. V. Kurnosova; Ed. of Publishing House: M. I. Fradkin; Tech. Ed.: O. M. Gus'kova.

PURPOSE: The booklet is intended for scientists and engineering and scientific personnel working in the field of space travel and satellite flight.

COVERAGE: The collection of 10 articles deals with problems of satellite orbits, magnetic measurements, radiation, the visibility of space vehicles, the upper atmosphere, and meteoric substances. No personalities are mentioned. References accompany some of the articles.

Dolginov, Sh. Sh., Ye. G. Yeroshenko, L. N. Zhuzgov, N. V. Pushkov, and L. O. Tyurmina. Magnetic Measurements on the Second [Soviet] Space Rocket	16
Vernov, S. N., A. Ye. Chudakov, P. V. Vakulov, Yu. I. Logachev, and A. G. Nikolayev. Radiation Measurement in the Flight of the Second Space Rocket	24
Kurnosova, L. V., V. I. Logachev, L. A. Razorenov, and M. I. Fradkin. Investigation of Cosmic Radiation in the Flight of the Second Space Rocket to the Moon	30
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AVAILABLE: Library of Congress

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LOGACHEV, P.V.

State rice farm in Khanka District. Nauka i pered.op. v sel'khoz.6 no.12:8-12 N '56. (MLRA 10:1)

1. Glavnyy agronom sovkhoza, Khankayskogo rayona, Primorskogo kraya. (Meritime Territory--Rice)

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24.6700

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S/560/61/000/008/010/010
E032/E514

AUTHORS: Kurnosova, L. V., Kolobyanina, T.N., Logachev, V.I., Razorenov, L.A., Sirotkin, I.A. and Fradkin, M.I.

TITLE: Detection of anomalies in the radiation above the southern part of the Atlantic Ocean at altitudes between 310-340 km

PERIODICAL: Akademiya nauk SSSR, Iskusstvennyye sputniki zemli, 1961, No.8, pp.90-93

TEXT: The second Soviet satellite carried a counter telescope designed to record the total cosmic ray intensity. This telescope was a part of a more complex device whose function was to record the nuclear cosmic ray component. A brief description of the apparatus was given by S. N. Vernov, V. L. Ginzburg, L. V. Kurnosova, L. A. Razorenov, M. I. Fradkin (Ref.1: UFN, 63, No.1b, 131, 1957). The present paper is concerned only with the anomalously large counting rates obtained while the satellite was passing over certain regions of space. The telescope consisted of two groups of counters with effective areas of 120 and 25 cm^2. The distance between them was 35.8 cm. The amount of matter between the two groups of counters was about 4 g/cm^2 (largely perspex).

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Thus, the telescope recorded electrons with energies > 8 MeV and protons with energies > 60 MeV. The particle flux recorded by the telescope was greater than the cosmic ray flux at all the points where the measurements were recorded. In the region of the equator the average flux was 1.2 particle cm^{-2} sec^{-1}, while at high altitudes the figure was 3.3 particle cm^{-2} sec^{-1}. Another unexpected result was the discovery of regions with anomalously large intensities. Among these regions was that above the southern part of the Atlantic Ocean where on August 19, 1960 there was an increase in the counting rate every time the satellite passed through the region. This is indicated by Fig.1 which shows the counting rate as a function of local Moscow time. The three peaks (1,2,3) correspond to the passage of the satellite through the anomaly. The anomaly lies between 25 and 50° S and 0 and 55° W. A further anomaly was discovered between 50 and 65° S and 30° W and 40° E. A third anomaly was found in the northern hemisphere between 60 and 65° N and 137 and 170°E. It is suggested that the northern anomaly may be associated with the outer radiation belt and is affected by solar flares. The South Atlantic and Southern anomalies may be associated with the existence in the southern

hemisphere of large negative magnetic anomalies (Ref.4: B. M. Yanovskiy. Zemnoy magnetizm. M., GTTI, 1953), i.e. regions in which the magnetic field strength is lower than the normal field strength. A. J. Dessler (Ref.5: J. Geoph. Res., 64, 713, 1959) has suggested that negative anomalies may act as sinks for the charged particles in radiation belts. V. L. Ginzburg has pointed out to the present authors that T. D. Carr, A. G. Smith and H. Bollhagen (Ref.6: Phys. Rev. Lett., 5, 418, 1960) have discussed the variation in the intensity of radio-waves of Jupiter and have pointed out that the longitude dependence of this intensity becomes understandable if it is assumed that there are magnetic field anomalies on Jupiter. In such regions the charged particle concentration will be enhanced and there will be an increase in the radio emission. This effect may be analogous to the increase in the intensity of radiation in the region of magnetic anomalies reported in the present paper. Acknowledgments are expressed to Professor V. L. Ginzburg and Professor N. A. Dobrotin for their advice. There are 2 figures and 6 references: 4 Soviet and 2 non-Soviet.

SUBMITTED: December 27, 1960

KURNOSOVA, L.V.; LOGACHEV, V.I.; RASORENOV, L.A.; and FRADKIN, M.I.

"Cosmic Ray Investigation by the Second Cosmic Rocket Landed on the Moon."

report presented at the First Intl Space Symposium, Nice, France, January, 1960. Academy of Sciences, Moscow, USSR.'

KURNOSOVA, L.V.; LOGACHEV, V.I.; RAZORENOV, L.A.; FRADKIN, M.I.

Radiation effects at a great altitude. Priroda 50 no.4:85-87 Ap '61. (MIRA 14:4)

1. Fizicheskiy institut im. P.N.Lebedeva AN SSSR, Moskva.
(Cosmic radiation)