YEROFEYEV, I. M.

USSR/Engineering - Welding Feb 52

"Welding of Experimental Spans With Blind Walls," I. M. Yerofeyev, Engr

"Avtogen Delo" No 2, pp 19-22

Describes assembling and welding procedure for 8 railroad spans fabricated in 1950 - 1951 at Ministry of Trans plant. Span 33.6 m long, weighing 59 tons, consists of 2 blocks attached to each other by rivets. Each block represents 2 all-welded I-beams 1.75 m high connected with triangle trussing. Beam webs are reinforced by stiffening ribs.

212T20

GAYDAYEV, Petr Alekseyevich; FOMIN, Mikhail Pavlovich; GUTER, R.S.; YEROFEYEV, I.P.; MILEVSKIY, Yu.G.; MURALEV, Ya.G; FOMIN, M.P.; SHURYGINA, A.I., red. izd-va; ROMANOVA, V.V., tekhn. red.

[Adjustment of second-order triangulation by approximations] Uravnivanie trianguliatsii 2 klassa priblizheniiami. Moskva, Izd-vo geodez. lit-ry, 1960. 36 p. (MIRA 14:6)
(Triangulation)

GREBENYUK, V.A., gornyy inzhener; YEROFEYEV, I.Ye., gornyy inzhener; PUSTOVALOV, A.I., gornyy inzhener; CHEBOTAREV, B.A., gornyy inzhener

Use of distributed charges in drifting. Gor. zhur. no.1:70-71 Ja '62. (MIRA 15:7)

1. Zyryanovskiy svintsovoyy kombinat.
(Zyryanovsk District--Blasting)
(Mining engineering)

YEROFEYEV, I.Ye., gornyy inzh.; CHEBOTAREV, B.A., gornyy inzh.

Means of preventing the damaging of deep boreholes in large-scale blasting. Gor. zhur. no.2:38-40 F'62. (MIRA 17:2)

1. Masylyanskiy rudnik, g. Zyryanovsk.

GREBENYUK, V.A.; PUSTOVALOV, A.I.; YEROFEYEV, I.Ye.; KARABACH, T.L.; TURGAMBAYEV, B.M.; BOSYAKOV, P.Ye.; YERMOLAYEV, A.G.; FOMENKO, V.D.; YEGOROCHKIN, A.A.; GROMOV, D.I.; ZHUYKO, Yu.P.; PANOV, S.A.;

[Twenty-second Congress of the Communist Party of the Soviet Union Mine] Rudnik imeni XXII s"ezda KPSS. Moskva, Nedra, 1964. 87 p. (MIRA 17:10)

1. Russia (1917- R.S.F.S.R.) Vostochno-Kazakhstanskiy ekonomicheskiy rayon. Zyr'yanovskiy svintsovyy kombinat.

RYBERT, V.F., gornyy inzh.; PUSTOVALOV, A.I., gornyy inzh.; PONOMAREV, L.F., gornyy inzh.; YEROFEYEV, I.Ye., gornyy inzh.; YERMOLAYEV, A.G., gornyy inzh.

Making use of industrial potentialities in a mine of communist labor. Gor.zhur. no.1:6-9 Ja '64. (MIRA 17:3)

1. Rudnik imeni XXII s"yezda Kommunisticheskoy partii Sovetskogo Soyuza Zyryanovskogo kombinata.

YEROFEYEV, L.A.

Dynamics of blood pressure in diphtheria in children. Sovet.med. no.4:9-11 Apr 51. (CLML 20:8)

1. Of the Children's Clinic, First Moscow Order of Lenin Medical Institute (Director--Honored Worker in Science Prof. V.I. Molchanov, Active Member of the Academy of Medical Sciences USSR), attached to the Children's Hospital imeni Rusakov.

SEVOST'YANOVA, G.A.; YEROFEYEV, L.A.

Characteristics of thyroid function in patients with a diencephalic syndromes. Zhur. nerv. i psikh. 61 no. 1:36-43 '61. (MIRA 14:4)

1. Kafedry nervnykh bolezney (zav.- prof. M.B. Tsuker) i meditsinskoy radiologii (zav.- prof. V.K. Modestov) Tsentral'nogo instituta usovershenstvovaniya vrachey, Moskva.
(THYROID GLAND) (DIENCEPHALON--DISEASES)

YEROFEYEV, L.A.; SEVOST'YANOVA, G.A.

Study of the function of the thyroid gland using radioactive iodine I^{131} in lesions of the diencephalon. Sov.med. no.3:73-78 '62. (MIRA 15:5)

1. Iz kafedry meditsinskoy radiologii (zav. - prof. V.K. Modestov) i kafedry nervnykh bolezney (zav. - prof. N.S. Chetverikov) Tsentral'nogo instituta usovershenstvovaniya vrachey.

(THYROID GLAND) (IODINE--ISOTOPES)
(DIENCEPHALON--DISEASES)

YEROFEYEV, L.A.; TARASOVA, R.Ye.

Study of thyroid gland function using radioactive iodine (J^{131}) in patients with otosclerosis. Vest. otorin. 25 no.5:48-50 S-O '63. (MIRA 17:4)

1. Iz kafedry meditsinskoy radiologii (zav. - prof. V.K.Modestov) TSentral'nogo instituta usovershenstvovaniya vrachey i Nauchno-issledovatel'skogo instituta bolezney ukha, nosa i gorla (dir. - prof. N.A.Bobrovskiy), Moskva.

YEROMEYEV, L.M.; CHURSIN, B.M.

Using lightweight tubing for the support of main workings.
Ugol' Ukr. 3 no.8:44-45 Ag '59. (MIRA 12:12)
(Kuznetsk Basin--Mine timbering)
(Precast concrete construction)

TSAY, T.N., inzh.; YEROFEYEV, L.M., inzh.; MIROSHNIKOVA, L.A., inzh.

Studying the stability of untimbered mine workings in a biaxial stressed state using the photoelastic method. Trudy KuzNIIshakhtostroia no.1:63-79 '63. (MIRA 17:8)

YEROFEYEV, L.M., inzh.; TSAY, T.N., inzh.; BARAYANTS, A.A., inzh.; KARAGOD, V.P., inzh.; MEDVEDEV, M.K., inzh.

Instruments developed by the Kuznetsk Scientific Research Institute for the design and construction of mines in the coal industry for determining rock movements and the intensity of rock pressure. Trudy KuzNIIshakhtostroia no.1:80-84 '63. (MIRA 17:8)

TSAY, T.N.; YEROFEYEV, L.M.

Once again on the possibility of reducing the size of mine shaft supports in the Kuznetsk Basin. Vop.gor.davl. no.22:49-52 '64. (MIRA 18:6)

1. Nauchno-issledovatel'skiy institut stroitel'stva ugol'nykh i gornorudnykh predpriyatiy, Kemerovo.

YEROFEYEV, L.M., inzh.; KARTASHOV, Yu.M., inzh.; KUKSOV, N.I., inzh.

Causes of cavings in workings lined with collapsible arched supports. Ugol' Ukr. 10 no. 1:19-20 Ja '66. (MIRA 18:12)

1. Nauchno-issledovatel'skiy institut stroitel'stva ugol'nykh i gornorudnykh predpriyatiy (for Yerofeyev). 2. Kuznetskiy nauchno-issledovatel'skiy ugol'nyy institut (for Kartashov). 3. Sibirskiy filial Vsesoyuznogo nauchno-issledovatel'skogo marksheyderskogo instituta (for Kuksov).

ACC NR: AT7002122 (A) SOURCE CODE: UR/0000/66/000/000/0445/0453

AUTHORS: Yerofeyev, L. M.; Miroshnikova, L. A.

ORG: none

TITLE: Study of rock-pressure phenomena in the tunnel support-rock system

SOURCE: Vsesoyuznaya konferentsiya po polyarizatsionno-opticheskomu metodu issledovaniya napryazheniy. 5th, Leningrad, 1964. Polyarizatsionno-opticheskiy metod issledovaniya napryazheniy (Polarizing-optical method of investigating stresses); trudy konferentsii. Leningrad, Izd-vo Leningr. univ., 1966, 445-453

TOPIC TAGS: mining engineering, pressure effect, stress analysis

ABSTRACT: The general shortcoming of existing theories on rock pressures in mine workings involving rocks and tunnel supports is their failure to consider the parameters of the supports and the form of the mine working. The purpose of the present work is to study rock pressure in this system of tunnel support and rock for a single horizontal working with due consideration to these parameters. A plate was placed on a layer of sand (26 cm thick) and was then used as a base for two frames of the simulated tunnel support. One frame was made of optically active material, the other of slightly active plastic. Special plates were placed on the frames, bounding the tunnel or "working" and keeping out the sand used in loading. Stresses on the elements of the support were also determined by means of these plates. Experiments were carried out

Card 1/2 UDC: none

ACC NR: AT7002122

for different stresses and for differently shaped workings. Stresses in the elements of the supports for all models were determined by the photoelastic method. Results show that the bending moment on a support of an arched opening is but 1/8 that of a rectangular opening. This factor is of great importance in designing reinforced-concrete supports for mine workings. Computations of yield point by means of the simple models used proved to agree very well with measurements obtained in actual mine workings. Orig. art. has: 6 figures and 2 tables.

SUB CODE: 08/ SUBM DATE: 14Jun66/ ORIG REF: 011/ ATD PRESS: 5113

Card 2/2

YEROFEYEV, L. N., Cand Agric Sci (diss) -- "Analysis of the execution of projects for organizational-agricultural plans compiled by the forestry administration for the leskhozes of the raw-materials base of the Kondopoga Cellulose-Paper Combine in the Karelian ASSR". Leningrad, 1959. 16 pp (Min Higher and Inter Spec Educ RSFSR, Leningrad Order of Lenin Forestry Engineering Acad im S. M. Kirov), 200 copies (KL, No 10, 1960, 134)

VILLORSEN, V.V., [illegible]; [illegible], [illegible]; YEROFEYEV, [illegible], inzh.; [illegible]NOV, G.Ya., inzh.; [illegible], [illegible], inzh.

Pile drivers at the International Exhibition in Moscow. [illegible] dor. mash. [illegible] (MIRA 13:3)

TETERUK, G.I.; ZAVYAZKIN, P.G.; ALIYEV, T.M.; ALIYEV, A.G.; MELIK-SHAKHNAZAROV, A.M.; AKULIS, B.K.; BARTENEV, G.M.; YEL'KIN, A.I.; KOSTIN, V.I.; KHARKHARDIN, S.I.; SERGEYEV, A.I.; VARTANOV, S.Kh.; PRIMACHUK, L.I.; MOLODTSOV, A.A.; SHMELEV, N.V.; ROVINSKIY, M.I.; ABRAMOV, N.N.; YEROFEYEV, L.V.; RYAKHIN, V.A.; ZELENIN, A.N.; BERKMAN, I.I.

Patent certificates for Soviet inventions. Stroi. truboprov. 9 no.5: 35-36 My '64. (MIRA 17:9)

YEROFEYEV, I. V., inzh.

Vibration hammer for driving and extracting small-diameter metal tubings. Stroi. i dor. mashinostr. 5 no.10:22-24 O '60.
(MIRA 13:10)

(Vibrators)

YEROFEYEV, L.V., inzh.

Vibratory soil-compaction and pile-driving machines of the Polish People's Republic. Stroi. i dor. mash. 7 no.8:25-27 Ag '62. (MIRA 15:9)

(Poland--Soil stabilization)
(Poland--Piling (Civil engineering))

YEROFEYEV, M.D., dotsent.

Appearance of the warp construction and gating line. Tekst.prom. 14 no.8:32-34 Ag '54. (MLRA 7:10)
(Looms)

YEROFEYEV, M. D.: Master Tech Sci (diss) -- "A study of the process of rolling up cloth on a loom". Moscow, 1958. 22 pp (Min Higher Educ USSR, Moscow Textile Inst), 150 copies (KL, No 11, 1959, 119)

YEROFEYEV, M.D., dots.

Study the process of winding woolen cloth on looms. Tekst.prom. 18 no.5:32-35 My '58. (MIRA 11:5)
(Looms)

YEROFEYEV, M.I., dots.

Production of woolen fabrics with various take-up motions.
Tekst.prom. 19 no.8:27-32 Ag '59. (MIRA 13:1)
(Woolen and worsted manufacture)

YEROFEYEV, M.D., dotsent

Effect of fabric tension on its welting density in a negative take-up motion. Tekst. prom. 19 no.9:38-40 S '59. (MIRA 12:12)

(Weaving)

YEROFEYEV, M. I.

Social Sciences

Results of local planning of production cost in building organizations of the Karaganda mine construction combine. (Ministerstvo ugol'noi promyshlennosti SSSR, TU po ekspluatatsii, BTI). Moskva, Ugletekhizdat, 1951.

9. Monthly List of Russian Accessions, Library of Congress, November 1952. Unclassified.

YEROFEYEV, M. I.

YEROFEYEV, M. I.

6572 YEROFEYEV, M. I. PLANIROVANIYE RENTABEL'NOY RABOTY STROITEL'NYKH ORGANIZATSIY. M., 1954 64 S.; 1 L. SKHEM 22SM. (M-V) UGOL(NOY PROM-STI SSR TEKHN. UPR. TSENTR. IN-T TEKHN INFORMATSII) 8.000 EKZ BESPL --(55-2268) P 69,0031. 658.51

SO: VNIZHANYA LETOPIS NO. 6, 195

YEROFEYEV, N., kand. tekhn. nauk, dots.

Methods for moving portal cranes. Mor. flot 19 no.5:17-21 My '59.
(MIRA 12:7)

1. Odesskiy institut inzhenerov morskogo flota.
(Cranes, derricks, etc.)

YEROFEYEV, N., dots.; LEDOVSKIKH, I.; RAKHLIS, I., inzh.

Automatic recording of crane performances by means of a cyclograph. Mor. flot 20 no.11:10-13 N '60. (MIRA 13:11)

1. Odesskoye vysshoye inzhenernoye morskoye uchilishche (for Yerofeyev). 2. Starshiy inzhener po mekhanizatsii 2-go rayona Odesskogo porta (for Ledovskikh). 3. Otdel mekhanizatsii Odesskogo porta (for Rakhlis).
(Cranes, derricks, etc.)
(Recording instruments)

YEROFEYEV, N., podpolkovnik

Coordination of the gun crew. Voen.vest. 40 no.2:85-87 F '61.
(MIRA 14:2)

(Aircraft artillery)

LOBOV, B.; SHALASHOV, V.; YEROFEYEV, M.

Three years have passed. Okhr. truda i sots. strakh. 5 no.8:14-15 Ag '62. (MIRA 15:7)

1. Zamestitel' nachal'nika kuznechnogo tsekha moskovskogo zavoda imeni Likhacheva. (for Lobov). 2. Predsedatel' komissii okhrany truda 1-go moskovskogo chasovogo zavoda (for Shalashov). 3. Predsedatel' komissii okhrany truda fabrichnogo komiteta 1-y moskovskoy sitsenabivnoy fabriki (for Yerofeyev).
(Moscow--Industrial hygiene)

YEGOVTSEV, M.A., kandidat ekonomicheskikh nauk.

Productivity of labor and possibilities for increasing it in the Karaganda coal basin. Vest.AN Kazakh.SSR 11 no.4:14-36 Ap '54. (MLRA 7:5)

(Karaganda Basin--Coal mines and mining) (Coal mines and mining--Karaganda Basin)

Yefofeyev, N.A.

BROVER, I.M., prof., red.; YEROFEYEV, N.A., dots., red.; SPIVAK, F.L., red.; IL'YASHENKO, L.V., red.; ZLOBIN, M.V., tekhn.red.

[Kazakhstan industry during the past 40 years; a collection of articles] Promyshlennost' Kazakhstana za 40 let; sbornik statei pod obshchei red. I.M.Brovera i N.A.Erofeeva. Alma-Ata, Kazakhskoe gos. izd-vo, 1957. 149 p. (MIRA 11:3)
(Kazakhstan--Industries)

YEROFEYEV, N.A.

POSPELOV, G.L., starshiy nauchnyy sotrudnik; LAPIN, S.S.; BELOUS, N.Kh.; KLYAROVSKIY, V.M.; KINE, O.G.; VAKHRUSHEV, V.A.; SHAPIRO, I.S., starshiy nauchnyy sotrudnik; KALUGIN, A.S.; MUKHIN, A.S.; GARNETS, N.A.; SPEYT, Yu.A.; SELIVERSTROVA, M.I.; RUTKEVICH, V.G.; BYKOV, G.F.; NIKONOV, N.I.; SAKOVICH, K.G.; MEDVEDKOV, V.I.; VLADYSHKIN, A.S.; PAN, F.Ya.; RUSANOV, M.G.; YAZBUTIS, E.A.; ROZHDESTVENSKIY, Yu.V.; SAVITSKIY, G.Ye.; PRODANCHUK, A.D.; LYSENKO, P.A.; LEBEDEV, T.I.; KAMENSKAYA, T.Ya.; MASLENNIKOV, A.I.; PIPAR, R.; DODIN, A.L.; MITROPOL'SKIY, A.S.; LUKIN, V.A.; ZIMIN, S.S.; KOREL', V.G.; DERBIKOV, I.V.; BARDIN, I.P., akademik, nauchnyy red.; GORBACHEV, T.F., nauchnyy red.; YEROFEYEV, N.A., nauchnyy red.; NEKRASOV, N.N., nauchnyy red.; SKOBNIKOV, M.L., nauchnyy red.; SHIRNOV-VERIN, S.S., nauchnyy red. [deceased]; STRUMILIN, S.G., akademik, nauchnyy red.; KHLEBNIKOV, V.B., nauchnyy red.; CHINAKAL, N.A., nauchnyy red.; SLEDZYUK, P.Ye., red.toma; SOKOLOV, G.A., red.toma; BOLDYREV, G.P., red.; VOGMAN, D.A., red.; KASATKIN, P.F., red.; KUDASHEVA, I.G., red.izd-va; KUZ'MIN, I.F., tekhn.red.

[Iron-ore deposits of the Altai-Sayan region] Zhelezorudnye mestorozhdeniia Altae-Saianskoi gornoi oblasti. Vol.1. Book 1. [Geology]

(Continued on next card)

POSPELOV, G.L.---(Continued) Card 2.
Geologiia. Otvetstvennyi red. I.P. Bardin. Moskva. 1958. 330 p. (MIRA 12:2)

1. Akademiya nauk SSSR. Mezhduvedomstvennaya postoyannaya komissiya po zhelezu. 2. Postoyannaya mezhduvedomstvennaya komissiya po zhelezu Akademii nauk SSSR (for Pospelov, Shapiro, Sokolov). 3. Zapadno-Sibirskiy filial Akademii nauk SSSR (for Vakhrushev, Pospelov.) 4. Zapadno-Sibirskoye geologicheskoye upravleniye (for Sakovich). 5. Krasnoyarskoye geologicheskoye upravleniye (for Pan). 6. Zapadno-Sibirskiy geologo-razvedochnyy trest Chermetrazvedka (for Prodanchuk). 7. Sibirskiy geofizicheskiy trest (for Piper). 8. Vsesoyuznyy geologicheskiy nauchno-issledovatel'skiy institut (for Dodin). 9. Gornaya ekspeditsiya (for Mitropol'skiy). 10. Gornoye upravleniye Kuznetskogo metallurg.kombinata (for Lukin). 11. Tomskiy politekhnicheskiy institut (for Zimin). 12. Sibirskiy metallurg.institut (for Korel'). 13. Trest Sibneftegeofizika (for Derbikov). (Altai Mountains---Iron ores) (Sayan Mountains---Iron ores)

YEROFEYEV

YEROFEYEV, N. A.

"Low-Alloy Cast High-Speed Steels." Min Higher Education USSR, Tomsk Order of Labor Red Banner Polytechnical Inst imeni S. M. Kirov, Tomsk, 1955. (Dissertation for the Degree of Candidate in Technical Sciences)

SO: M-955, 16 Feb 56

IVROVSKIY, N.A., insh.

Effect of carbon content on the phase constitution and some characteristics of cast, low-alloy, rapid steel. Izv. vys. ucheb. zav.; chern. met. 2 no.4:79-83 Ap '59. (MIRA 12:8)

1.Tomskiy politekhnicheskiy institut. Rekomendovano kafedroy metallovedeniya i termicheskoy obrabotki metallov Tomskogo politekhnicheskogo instituta.
(Tool steel--Metallography)

S/148/60/000/004/004/006
A161/A029

AUTHOR: Yerofeyev, N. A.

TITLE: Tungsten, Chrome and Vanadium in Cast Low-Alloy High-Speed Steel

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy - Chernaya metallurgiya, 1960, No. 4, pp. 137-144

TEXT: The effect of single alloy constituents on the properties of high-speed steel is not yet sufficiently known. The article gives information on experiments to this end. Eight steel compositions with different content of W, Cr and V were investigated (Table 1) with the use of the carbide analysis developed by N.M. Popova (Ref. 6). Separated carbide sediments were investigated by the X-ray method. The experimental techniques are briefly mentioned, the results are discussed in detail concerning the dependence of hardness, red-hot strength, quantity of carbides and distribution of vanadium and of tungsten at different content of vanadium and tungsten. It was observed that the quantity of alloy element needed for equal distribution between solid solution and carbides is inversely proportional to the carbide-forming capacity of the element and to the carbon content in steel. In all investigated steel grades the

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S/148/60/000/004/004/006
A161/A029

Tungsten, Chrome and Vanadium in Cast Low-Alloy High-Speed Steel

Cr content in solid solution dropped in the annealing process by 30-40 %, the W content by 50-60 %, and V by 65-75 %. The share of alloy element that passed from solid solution into carbides in the annealing process did not depend on the initial content of this element in the solid solution and was directly proportional to its carbide-forming capacity. The distribution of the carbide-forming element may be "favorable" or "unfavorable". The optimum V content for steel "A" and "Б" ("B") (Table 1) proved to be 3.0 %; the optimum W content for three other grades was 12-13 %. It had been stated formerly (Ref. 8) that 18 % W is the optimum for the high-speed steel grade "Р18" ("R-18"), and a higher W content could not improve the cutting properties. There are 3 figures, 3 tables and 9 Soviet references.

ASSOCIATION: Tomskiy politekhnicheskiy institut (Tomsk Polytechnical Institute)

SUBMITTED: July 18, 1959

Card 2/3

S/148/60/000/004/004/006
A161/A029

Tungsten, Chrome and Vanadium in Cast Low-Alloy High-Speed Steel

Chemical Composition and Hardness of the Investigated Steels (Table 1):

Conditional Designation of Steel	Chemical Composition, %				Hardness after Hardening (Casting) According to Rockwell
	C	W	Cr	V	
A	1.12	3.97	4.36	1.45	56
B	1.15	3.65	4.58	3.04	61
C	1.20	4.11	4.42	4.26	63
D	1.18	2.00	4.10	2.72	61
E	1.12	5.01	4.29	2.61	62
F	1.14	7.93	3.69	2.56	64
G	1.17	3.71	8.16	2.11	55
H	0.99	3.86	8.01	1.91	57

Card 3/3

YEROFEYEV, Nikolay Aleksandrovich; BRITOV, V.V., red.

[Industrial revolution in England; an aid for teachers] Promyshlennaia revoliutsiia v Anglii; posobie dlia uchitelei. Moskva, Uchpedgiz, 1963. 183 p. (MIRA 18:11)

YEROFEYEV N. G.

USSR/Physiology of Plants - Respiration and Metabolism. I-2

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10388

Author : Yevreinova, T.N., Yerofeyev, N.G.

Inst : Moscow University

Title : Amylase in Acorns Stored Under Various Conditions.

Orig Pub : Vestn. Mosk. un-ta, ser. biol., pochvoved., geol., geogr., 1956, No 2, 39-43.

Abstract : When Quercus robur acorns were kept in damp sand exposed to air 0° in temperature, the amylase activity in the seedlings and cotyledons increased in April, and the germination was good. Under the same conditions in jars with H_2 or CO_2 there was an increase in the ferment activity in the cotyledons and a gradual disappearance of it in the shoots which also ceased germinating. Acorns which were kept in sieves in a cement well at a temperature of 5°-10° above

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Abs Jour : Ref Zhur - Biol., No 3, 1958, 10388

zero maintained normal germination and amylase activity in the shoots and cotyledons. In a hermetically sealed container (500 cm^3 of air for 3 kilograms of seed) an increase in the ferment activity in the shoots was noted as well as heightened sprouting energy. The amylase of the acorns was equally potent in breaking down acorn and potato starch.

YEROFEYEV, N., dotsent.

Determining the duration of the working cycles of gantry cranes. Mor.i rech. flot 13 no.5:8-10 S '53. (MLRA 6:10)

(Cranes, derricks, etc.)

YEROFEYEV, N.I., dotsent, kandidat tekhnicheskikh nauk.

Investigation of the inertia of gantry cranes. Vest.mash. 33 no.11:16-21 N '53. (MLRA 6:12)
(Cranes, derricks, etc.)

YEROFEYEV, N.I., inzh.

Preventing driving away of cranes by wind. Bezop.truda v prom. 1 no.10:17-18 O '57. (MIRA 10:11)

(Cranes, derricks, etc.)

YEROFEYEV, N.I., kand.tekhn.nauk, dotsent.

Development of design of supporting and turning bases of foreign cranes. Vest.mash. 37 no.10:76-81 O '57. (MIRA 10:11)
(Cranes, derricks, etc.)

YEROFEYEV, Nikolay Ivanovich; MELENTEV, A.S., red. izd-va; TIKHONOVA, Ye.A., tekhn. red.

[Means of preventing accidents with jib cranes] Sposoby predupre-zhdeniia avariinykh povrezhdenii strelovykh kranov. Moskva, Izd-vo "Morskoi transport," 1958. 138 p. (MIRA 11:9)
(Cranes, derricks, etc.)

YEROFEYEV, N. I.

YEROFEYEV, N., dots.; TURLENKO, V.

Methods of perating "Abus" gantry cranes. Mor. flot 18 no.2:15-18 F '58. (MIRA 11:2)

1.Odesskiy institut inzhenerov morskogo flota (for Yerofeyev).
2.Starshiy kranovshchik Odesskogo porta (for Turlenko).
(Cranes, derricks, etc.)

YEMOVEYEV, M., kand. tekhn.nauk, dots.

Effect of the dynamic characteristics of slewing on the cycle length of clamshell gantry cranes. Mor. flot 18 no.9:9-12 S '58. (MIRA 11:10)

1.Odesskiy institut inzhenerov morskogo flota.
(Cranes, derricks, etc.)

YEROFEYEV, N.I., kand. tekhn. nauk

Modern crane power-limit switches. Bezop. truda v prom. 3 no.11:17-19 N '59. (MIRA 13:3)
(Cranes, derricks, etc.--Safety appliances)

YEROFEYEV, Nikolay Ivanovich, kand.tekhn.nauk; KOGAN, I.Ya., kand. tekhn.nauk, retsenzent; SAVEL'YEV, Ye.Ya., red.izd-va; SOROKINA, G.Ye., tekhn.red.

[Safety and signaling appliances for cranes] Predokhranitel'nye i signalizatsionnye ustroistva kranov. Moskva, Gos.nauchno-tekhn. izd-vo mashinostroit.lit-ry, 1960. 102 p. (MIRA 13:7)
(Cranes, derricks, etc.--Safety measures)

SHIKHIYEV, Fuad Maksimovich; YEROFEYEV, Nikolay Ivanovich; GINSBARG, Ruvim Izrailevich; TSEYTLIN, Grigoriy Yul'yevich; CHERNYSHEV, A.M., red.; MARCHUKOVA, M.G., red. izd-va; TIKHONOVA, Ye.A., tekhn. red.

[Organization and equipment of sea ports] Ustroistvo i oborudovanie morskikh portov. Moskva, Izd-vo "Morskoi transport," 1960. 413 p. (MIRA 14:5)
(Harbor)

YEROFEYEV, N.I., inzh.

New designs of gantry cranes. Mekh. i avtom. proizv. 15 no.3:52-55 Mr '61. (MIRA 14:3)

(Cranes, derricks, etc.)

YEROFEYEV, N.I., kand.tekhn.nauk; MILYUKOV, P.M., tekhnik; CEREZANOV, P.I., inzh.; SMRKOVSKIY, E.V.

Program control of a hoisting machine. Mekh. i avtom. proizv. 15 no.7:33-37 Jl '61. (MIRA 14:7)
(Hoisting machinery) (Automatic control)

YEROFEYEV, Nikolay Ivanovich; POLIKARPOV, A.D., insh., retsenzent; KUROCHKIN, A.Ye., insh., retsenzent; REKHTMAN, I.I., insh., retsenzent; SKOBELING, L.V., red.; USANOVA, M.B., tekhn. red.

[Gantry cranes] Portal'nye krany. Moskva, Morskoi transport, 1962. 561 p. (MIRA 16:2)
(Cranes, derricks, etc.)

YEROFEYEV, N.I., kand.tekhn.nauk

Automation of cranes. Mekh.i avtom.proizv. 16 no.5:19-21 '62.
(MIRA 16:5)

(Cranes, derricks, etc.) (Automation)

YEROFEYEV, N.I., kand. tekhn. nauk

Automation of hoisting and conveying equipment. Mekh. i avtom. proizv. 17 no.8:53-55 Ag '63. (MIRA 16:10)

ACCESSION NR: AP4044122 S/0118/64/000/008/0021/0025

AUTHOR: Yerofeyev, N. I. (Candidate of technical sciences); Obrezanov, P. I. (Engineer); Smrkovskiy, E. V. (Engineer); Milyukov, P. M. (Technician)

TITLE: Program control of a gantry crane

SOURCE: Mekhanizatsiya i avtomatizatsiya proizvodstva, no. 8, 1964, 21-25

TOPIC TAGS: program control, automatic control, crane, automatic control system

ABSTRACT: The automation of a grab-bucket gantry crane used for loading-unloading a ship (or a rr car) is described. Prior to automation, the crane operating cycle used to be 60—90 sec, and the crane operator used to perform up to 20,000 switching operations per 8-hr shift. As a result, the crane productivity used to be 15—20% lower than that technically feasible. A magnetic-tape-recorded program control based on a frequency-code system was introduced. A

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ACCESSION NR: AP4044122

simplified connection diagram is presented, and the principal functions of the automatic control (winch and bucket operation, preliminary commands, boom movement, slewing) are briefly explained. Orig. art. has: 1 figure and 1 table.

ASSOCIATION: Odesskiy institut inzhenerov morskogo flota (Odessa Institute of Marine Engineers)

SUBMITTED: 00 ENCL: 00

SUB CODE: IE NO REF SOV: 000 OTHER: 000

Card 2/2

YEROFEYEV, N.I., kand. tekhn. nauk

New methods for the design and investigation of cranes.
Mekh. i avtom. proizv. 18 no.4:56-57 Ap'64. (MIRA 17:5)

YEROFEYEV, N.I., kand. tekhn. nauk; OBREZANOV, P.I., inzh.; SIRKOVSKIY, E.V., inzh.; MILYUKOV, P.M., tekhnik

Program control of a gantry crane. Mekh. i avt. pro z-v. 18 no.8:21-25 Ag '64. (MIRA 17:10)

87466

S/169/60/000/012/004/010
A005/A001

9,9842
9,9160 (1041, 1060)

Translation from: Referativnyy zhurnal, Geofizika, 1960, No. 12, pp. 216-217, # 16258

AUTHORS: Yerofeyev, N. M., Dzhemilev, G. G., Perelygin, V. P., Petinov, V. P.

TITLE: First Results of Radiotechnical Observations of the Motions of Nonuniformities in the Ionosphere (Winds) Over Ashkhabad at Altitudes of 200-300 km

PERIODICAL: V sb.: Dreyfy i neodnordnosti v ionosfere. No. 1, Moscow, AN SSSR, 1959, pp. 34-39 (English summary)

TEXT: Experimental results are presented of a study of the winds in the ionosphere by the spaced reception method with small base, which was performed at Ashkhabad in the period from January 1 to June 30, 1958. The equipment is briefly described (output 2 kw in the pulse, pulse duration 150 μsec, base of the reception antenna system 100 m, photographical recording, film feed speed 15 cm/min). The processing of the records was carried out by the similar-fading method; it is shown that 20-30% of the observations yield to processing by this method. The distribution of nonuniformity drift speeds in the F region is of approximately

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87466
S/169/60/000/012/004/010
A005/A001

First Results of Radiotechnical Observations of the Motions of Nonuniformities in the Ionosphere (Winds) Over Ashkhabad at Altitudes of 200-300 km

Maxwellian from. The average arithmetical and the observed probable values of the drift speed are 69 and 58 m/sec respectively. The preferred motion direction is westward. The diurnal course of the velocity vector components is weakly expressed, but shows the tendency to predominating 24-hours-period. - There are 10 references.

E. S. Kazimirovskiy

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

YEROFEYEV, N.M.

Diffuseness of the F_2 layer of the ionosphere over Ashkhabad and its connection with solar activity. Izv.AN Turk.SSR no.3:10-14 '59. (MIRA 12:11)

1. Institut fiziki i geofiziki AN Turkmenskoy SSR.
(Ionosphere) (Sunspots)

89798
S/169/61/000/003/016/022
A005/A005

9.9110 (2603, 1041, 1046)

Translation from: Referativnyy zhurnal, Geofizika, 1961, No. 3, p. 30, # 3G268

AUTHOR: Yerofeyev, N. M.

TITLE: Certain Characteristics of the F2-Layer Above Ashkhabad

PERIODICAL: "Tr. Sibirsk. fiz.-tekhn. in-ta pri Tomskom un-te", 1959, No. 37, pp. 326-329

TEXT: Results from the analysis of certain characteristics of the F2-layer are described. Special attention was paid to the phenomenon of diffuse and scattered reflections which are joined by the general term "multiplicity of reflections" (P). The number of events of appearance of the different anomalies in the F2-layer (ramified recording, triple splitting, etc.) in year is very small and does not show diurnal and seasonal dependence. The appearance of P-reflections has diurnal and seasonal course, depends on the latitude and on the illumination intensity by solar rays in the F-region. The conditions of appearance of P-reflections become worse if the illumination of the F-region set in. An inverse dependence of the appearance of P-reflections on the course of solar activity is

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Certain Characteristics of the F2-Layer Above Ashkhabad

S/169/61/000/003/016/022
A005/A005

noted for Ashkhabad, but a direct dependence for the Tiksi bay. The appearance of P-reflections is associated with the permeation of corpuscular streams. There are 6 references.

N. B.

Translator's note: This is the full translation of the original Russian abstract.

89080
S/169/61/000/001/008/011
A005/A001

9.9110 (also 1041, 1046, 1060)

Translation from: Referativnyy zhurnal, Geofizika, 1961, No. 1, p. 27, # 1G240

AUTHOR: Yerofeyev, N. M.

TITLE: Experimental Data on the Dependence of the Limiting Frequency of the Sporadic E-Layer of the Ionosphere on the Technical Data of the Apparatus of the Ionospheric Station

PERIODICAL: "Izv. AN TurkmSSR. Ser. fiz.-tekhn., khim. i geol. n., 1960, No. 1, pp. 26 - 31

TEXT: At the ionospheric station of Ashkhabad, measurements of fE_s were carried out with a various power of the transmitter. During July 1950, the transmitter operated at two fixed powers alternating every other day. Hereat, during 15 days, hourly values of fE_s were obtained for one power and for the same number of days, values of fE_s were obtained for a power four times greater. The median values of fE_s for the greater power proved to be higher by 0.64 Mc, and the percentage of the appearance of E_s increased from 90.0 to 92.4. During the spring-summer period in 1950, experiments were carried out of continuous variation in power, which made it possible to obtain an empirical formula determining

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89080

S/169/61/000/001/008/011
A005/A001

Experimental Data on the Dependence of the Limiting Frequency of the Sporadic E-Layer of the Ionosphere on the Technical Data of the Apparatus of the Ionospheric Station

the change in fE_s with changing power $f_2E_s = f_1E_s + 0.25\sqrt{n-1}$, where f_1E_s and f_2E_s are limiting frequencies of E_s for powers P_1 and P_2, $n = P_2/P_1$ with $P_2 > P_1$. The author expresses the assumption that the inverse dependence of fE_s on the 11-yearly cycle of the solar activity can be explained (if only partially) by an absorption increase.

T. Kerblay

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

L 19284-63 EWT(1)/BDS/EEC-2/ES(v) AFFTC/ASD/AFMDC/ESD-3/APGC Pe-4/
Pi-4/Po-4/Pq-4 PT-2/GW
ACCESSION NR: AR3006922 S/0169/63/000/007/A041/A041

SOURCE: RZh. Geofizika, Abs. 7A191

AUTHOR: Yerofeyev, N. M.

TITLE: Presence of disturbances in the E region of the ionosphere over Ashkhabad

CITED SOURCE: Dokl. Nauchn. simpoziuma po ionosfere, 1960. Rostov-na-Donu, Rostovsk. un-t, 1961, 108-112

TOPIC TAGS: ionosphere, disturbed state of ionosphere, perturbation, disturbance, E region, F region, equinoctal maximum

TRANSLATION: Cases of the deviation of Δ foE $\geq$ 15% from the median in the course of two hours occured during a disturbed state of the E layer. Patterns in the appearance of perturbations in the E layer at Ashkhabad during 1957 and 1959 are examined. Maximum perturbation in the diurnal variation occurs in the morning and evening hours. Seasonal variation has equinoctal maximums. The

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L 19284-63

ACCESSION NR: AR3006922

cases of E layer disturbances with a quiet state of the magnetic field and the F region of the ionosphere are considered in particular.

DATE ACQ: 15 Aug 63 SUB CODE: AS ENCLO: 00

Card 2/2

10.1100

31597
S/169/61/000/010/043/053
D228/D304

AUTHORS: Bogdanova, M. D., Yerofeyev, N. M., and Klimova, Z. N.

TITLE: Ionosphere characteristics over Ashkhabad in January 1960

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 10, 1961, 28, abstract 10G168 (Izv. AN TurkmSSR, Ser. fiz.-tekhn., khim. i geol. n., no. 1, 1961, 74-76)

TEXT: The results of the processing of observations at the Ashkhabad ionospheric station for January 1960 and their comparison with the forecasts and observations in January 1959 are examined. The observed f_0F2 were lower than the forecasted values by an amount of up to 33%; the greatest deviations were observed in the nocturnal hours. In 1960, f_0F2 were considerably (26% by night, 6% by day) lower than in January 1959, which is explained by the lessened solar activity. In comparison with

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31597
S/169/61/000/010/043/053
D228/D304

Ionosphere characteristics...

January 1959, the number of E_s appearances grew from 35 to 42%--largely at the expense of the increase in the number of E_s with low limiting frequencies. The degree of ionospheric disturbance in January 1960 was somewhat higher than in January 1959. The dates of disturbances, corresponding to f_0F2 deviations of $\geq \pm 20\%$, and the number of positively and negatively disturbed hours in January 1959 and January 1960 are given. The quietest days (January 30 and 31) in respect of the magnetic-ionospheric activity are distinguished. Nh-profiles are calculated for January 31 by the Kelso method with an account of the magnetic field.
[Abstracter's note: Complete translation.]

Card 2/2

S/169/61/000/012/086/089
D228/D305

AUTHORS: Yerofeyev, N. M., Klimova, Z. N., and Stepanova, M. B.

TITLE: Characteristics of the ionosphere above Ashkhabad in February 1960

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 12, 1961, 25, abstract 12G200 (Izv. AN TurkmSSR. Ser. fiz.-tekhn., khim. i geol. n., 1961, no. 2, 100-103)

TEXT: The results are given for the processing of the observations of the ionospheric station at Ashkhabad in February 1960 and for their comparison with the forecast and observations of February 1959. The values of f_0F2 observed in February 1960 were below the forecast values (by up to 27%), the greatest deviations being observed in the night and morning hours. In

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S/169/61/000/012/086/089
D228/D305

Characteristics of the...

February 1960, the magnitudes of f_0F2 were lower than in February 1959. The percentage appearance for E_s fell from 44% in February 1959 to 30%. The ionospheric disturbances of February 1960 are described. The degree of disturbance in February diminished in comparison with January 1960 and February 1959. The quietest day in respect of the magneto-ionospheric activity (24/II) was distinguished, and Nh-profiles were calculated for it. [Abstracter's note: Complete translation.]

Card 2/2

BERKELIYEV, M.; YEROFEYEV, N.M.; KLIMOVA, Z.N.; STEPANOVA, M.B.

Characteristics of the ionosphere over Ashkhabad in March 1960.
Izv.AN Turk.SSR.Ser.fiz.-tekh., khim.i geol.nauk no.3:92-95 '61.
(MIRA 14:7)

1. Fiziko-tekhnicheskiy institut AN Turkmenskoy SSR.
(Ionosphere)

YEROFEYEV, N.M.; OVEZGEL'DYYEV, O.

Horizontal drift of the E_s layer as observed in Ashkhabad. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no.4:18-25 '61. (MIRA 14:12)

1. Fiziko-tekhnicheskiy institut AN Turkmenskoy SSR.
(Ionospheric research)

YEROFEYEV, N.M.; LEZHNEVA, A.V.

Statistical nature of the fluctuations of ionospheric parameters. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no.4: 26-34 '61. (MIRA 14:12)

1. Fiziko-tekhnicheskiy institut AN Turkmenskoy SSR.
(Ionospheric research)

BERKELIYEV, M.; YEROFEYEV, N.M.; STEPANOVA, M.B.

State of the ionosphere over Ashkhabad in April, 1960. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no.4:106-109 '61. (MIRA 14:12)

1. Fiziko-tekhnicheskiy institut AN Turkmenskoy SSR.
(Ashkhabad—Ionosphere)

YEROFEYEV, N.M.; STEPANOVA, M.B.

Effect of the level of solar activity on the probable occurrence of the sporadic E layer (according to observations made in Ashkhabad). Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol.nauk no.5:32-38 '61. (MIRA 14:11)

1. Fiziko-tekhnicheskiy institut AN Turkmenskoy SSR.
(Sporadic E (Ionosphere)) (Sun)

BOGDANOVA, M.D.; YEROFEYEV, N.M.; STEPANOVA, M.B.

Characteristics of the ionosphere over Ashkhabad in May 1960. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol.nauk no.5:114-117 '61. (MIRA 14:11)

1. Fiziko-tekhnicheskiy institut AN Turkmenskoy SSR.
(Ionosphere)

YEROFEYEV, N.M.; OVEZGEL'DYYEV, O.

Parameters of small-scale inhomogeneities in the sporadic E layer; according to observations made in Ashkhabad. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no.6:39-45 '61. (MIRA 15:3)

1. Fiziko-tekhnicheskiy institut AN Turkmenskoy SSR.
(Sporadic E (Ionosphere))

BERKELIYEV, M.B.; YEROFEYEV, N.M.; STEPANOVA, M.B.

State of the inosphere over Ashkhabad in June 1960. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol. nauk no.6:107-110 '61. (MIRA 15:3)

1. Fiziko-tekhnicheskiy institut AN Turkmenskoy SSR.
(Ashkhabad—Ionosphere)

YEROFEYEV, N.M.; PERELYGIN, V.P.

Relationship between the magnitude and direction of the drift speed of ionospheric irregularities and the true altitude in the F_2 layer of the ionosphere. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim. i geol nauk no.6:110-112 '61. (MIRA 15:3)

1. Fiziko-tekhnicheskiy institut AN Turkmenskoy SSR.
(Ionosphere)

S/169/62/000/003/092/098
D228/D301

9,9110

AUTHORS: Yarofeyev, N. M. and Dubrobskaya, Ye. K.

TITLE: The question of the degree of diffusion of the reflection from the ionosphere's F_2-layer

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 3, 1962, 21, abstract 3G141 (Tr. Fiz..tekhn. in-ta, AN TurkmSSR, 7, 1961, 156-161)

TEXT: The Ashkhabad data for 1950-1954, and also those of observations at 8 stations in the Soviet Union for 1950-1951, were processed. Contour maps of the probability of the appearance of diffusive (F) reflections, on which the diurnal and the seasonal relationship is evident, were constructed. The maximum probability of F-reflections occurs at night. The time of the maximum shifts from 01 hr. in high latitudes to 03 - 04 hr. at Ashkhabad. The number of cases of F-reflections diminishes as the latitude decreases. The seasonal course of the likelihood of F-reflection appearances differs for different latitudes. A summer maximum, which is absent

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S/169/62/000/003/092/098
D228/D301

The question of the degree ...

in middle and high latitudes, is recorded at Ashkhabad. This is explained by the dependence of the F-reflections on the ionosphere's illumination. It is suggested that corpuscular flows from the sun are the agents inducing F-reflections. [Abstracter's note: Complete translation.]

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34355
S/203/61/001/006/014/021
D055/D113

9,9110

AUTHORS: Yerofeyev, N.M., and Ovezgel'dyyev, O.

TITLE: The fine structure and movement of the sporadic E layer

PERIODICAL: Geomagnetizm i aeronomiya, v.1, no. 6, 1961, 942-948

TEXT: This article systematizes results obtained by other authors in order to give a clearer picture of the relationship of several small non-uniformities in the sporadic E layer to the time of day and the degree of disturbance in the Earth's magnetic field. It is shown that, in view of its fine structure, it would be more appropriate to divide this layer into diurnal and nocturnal E_s layers for medium latitudes. Recording apparatus at Ashkhabad which had been used from January 1958 to measure ionospheric drifts in the region of the F layer was adapted for observation of drifts at the height of the E layer. Transmitting and receiving polarization antennae were set up which practically excluded one of the signal components Three receiving antennae were fixed on the vertices of a right-angled isosceles triangle whose catheti, 100 m long, were orientated N-S and E-W.

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The fine structure ...

Divergence between the geographical and magnetic meridians was about 4°. Observations of E_s were made, if it was present, every hour from June to September 1960 on frequencies of 4.1±0.9 Mc. Data were processed by a "СТРЕЛА -3" ("Strela-3") electronic computer at the Vychislitel'nyy tsentr AN SSSR (Computation Center, AS USSR). The most probable figures for speed and horizontal direction of E_s are as follows: for the period 06-10 hours - V_g = 77 m/sec, direction 100°; 10-18 hours - 64 m/sec, 100 and 230°; 18-22 hours - 84 m/sec, 100 and 195°; 22-06 hours - 86 m/sec, 215 and 290°. Data relating to the thin structure of E_s are given in table 3:

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D055/D113

The fine structure ...

		Diurnal E_s of type		Nocturnal E_s of type
		c	l	f
e	Average	2.9	2.5	2.2
	Median	2.2	2.1	1.8
	Percent e < 2 m	42	40	58
Δ_{min}, m	Average	232	160	128
	Median	153	116	91
	Percent Δ < 50 m	0	2	12
Δ_{max}, m	Average	547	369	285
	Median	448	297	174
	Percent Δ < 200 m	20	31	58
V_c, m/sec	Average	45	49	52
	Median	40	38	55
	Average ratio V_c/V_g	0.9	0.7	0.8
τ_c, sec	Average	10	9.2	5.9
	Median	7.8	5.2	2.6
	Percent τ_c < 3 sec	14	33	62

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The fine structure ...

Table 4 gives more parameters of the fine structure - the degree of non-uniformity and the mean-square rate of chaotic motion of the non-uniformities V_o:

		Diurnal E_s of type		Nocturnal E_s	
		c	l	h	f
β	Extremes	0-5.5	0-5.5	0-4.0	0-5.0
	Most frequent	1.0	1.4	-	1.3
Various laws of distribution pertaining, %	Rayleigh	27	18	-	17
	Gauss	24	24	-	31
	Others	49	59	-	52
V_o, m/sec	Extremes	0.1-9.0	0.3-18.0	0.3-2.5	0.4-24.0
	Average	1.6	3.5	1.0	5.8

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D055/D113

The fine structure ...

Further parameters are given in table 5:

	Quiet days	Days of magnetic disturbance	Time
Degree of anisotropy e	1.8	2.9	Day
Life of non-uniformities τ_c	8.4 sec	11.2 sec	"
Large axis of the ellipse Δ_{max}	362 m	502 m	"
Small axis of the ellipse Δ_{min}	197 m	199 m	"
Speed of chaotic variations V_c	48 m/sec	39 m/sec	"
Degree of non-uniformity β	1.5 "	1.5 "	Day
Ditto	1.6 "	1.3 "	Night
Mean-square rate of chaotic motion V_o	1.6 "	1.7 "	Day
Ditto	8.0 "	5.6 "	Night

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The fine structure ...

There are 5 tables, 5 figures and 11 references: 9 Soviet and 2 non-Soviet. The English-language references are: B.H. Briggs, G.J. Phillips. Proc. Phys. Soc., 1950, B 63, 907; G.J. Phillips, M. Spenser, Proc. Phys. Soc., 1955, B 68, 481.

ASSOCIATION: Fiziko-tekhnicheskiy institut AN Turkmenskoy SSR (Physico-technical Institute, AS Turkmenskaya SSR)

SUBMITTED: October 1, 1961

Card 6/6

DZHEMILEV, G.G.; YEROFEYEV, N.M.; PERELYGIN, V.P.; PETIKOV, V.P.

Studies of structural inhomogeneities and drifts in the ionosphere over Ashkhabad at altitudes of 200 to 400 km. conducted under the programs of the International Geophysical Year and International Geophysical Cooperation during 1958-1959. Trudy fiz.-tekh. inst. AN Turk. SSR 8:175-200 '62. (MIRA 15:11)
(Ashkhabad--Ionospheric research)

ACCESSION NR: A...

82

AUTHORS: Yarofeyev, N. M.; Korsunova, L. P.; Ostanina, M. B.

18

TITLE: Characteristics of the sporadic E layer in the ionosphere above Ashkhabad during the IGY and the IGC (1957-1959)

SOURCE: AN Turkm SSR. Fiziko-tekhnicheskiy institut. Trudy, v.8, 1962, 201-222

TOPIC TAGS: ionosphere, E layer, sporadic E layer, Ashkhabad, IGY, IGC, sporadic E layer variation, seasonal variation, diurnal variation

ABSTRACT: The report describes observations of the state of the ionosphere ... at the Ionospheric Station "Ashkhabad" from 1957 to 1959. The 1957 ...

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ACCESSION NR: AT3002085

of the order of 5 microvolt, and the pulse duration appx. 70-90 microsec, with a 50-cps repeat rate. The sporadic E layer, E_s, was predominantly noted at 100 km

L 17981-63
ACCESSION NR: AT3002085

the variation for the lower limiting frequencies is the opposite. The seasonal variation of all the characteristics of the E_s layer, for daytime and nightime, is fully similar to that observed at other stations. Orig. art. has 8 tables and 12 figures.

ASSOCIATION: None

SUBMITTED: 00 DATE ACQ: 29Apr63 ENCL: 00

SUB CODE: AS, CO NO REF SOV: 001 OTHER: 001

Card 3/3

YEROFEYEV, I.M., otv. red.; MISHIN, V.M., kand.fiz.-matem. nauk, red.; POLYAKOV, V.M., kand. fiz.-matem. nauk, zam. otv. red.; KUZ'MIN, A.I., kand. fiz.-matem. nauk, red.; NIKOLAYEVA, L.K., red. izd-va; RYLINA, Yu.V., tekhn. red.

[Studies on geomagnetism and aeronomy] Issledovaniia po geomagnetizmu i aeronomii; doklady. Moskva, Izd-vo Akad. nauk SSSR, 1963. 149 p. (MIRA 16:6)

1. Sibirskoye soveshchaniye po geomagnetizmu i aeronomii. 1st, Irkutsk, 1961. 2. Chlen-korrespondetn Akademii nauk Turkmenskoy SSR (for Yerofeyev).
(Magnetism, Terrestrial) (Atmosphere, Upper)

YEROFEYEV, N.M.; PETINOV, V.P.; SHIRMAMEDOV, M.

Recorder for measuring ionospheric radio wave absorption. Izv.AN Turk.SSR.Ser.fiz.-tekh., khim.i geol.nauk no.3:115-117 '63. (MIRA 17:3)

1. Fiziko-tekhnicheskiy institut AN Turkmenskoy SSR.