APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

BELYAYEV, Ye. V.

BELYAYEV, Ye. V. -- "The Development of Measures to Protect Main Pipelines from the Harmful Effects of Mine Work." Min Higher Education USSR. Leningrad Order of Lenin and Order of Labor Red Banner Mining Inst. Leningrad, 1955. (Dissertation for the Degree of Candidate in Technical Sciences)

SOURCE Knizhnaya Letopis', No 6 1956

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MALININ, Roman Mikhaylovich; BELYAYEV, Ye.P., inzhener-podpolkovnik, red.; MYASNIKOVA, T.F., tekhn.red.

[Condensers and resistors] Kondensatory i soprotivleniia. Moskva, Voen.izd-vo M-va obor.SSSR, 1959. 174 p. (MIRA 12:9)
(Electric capacitors) (Electric resistors)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

VOSKRESENSKIY, P.I.; GORDON, G.M.; TSETLIN, V.M.; Prinimali uchastiye: BELYAYEV, Ye.N., master; TSESSARSKIY, V.N., laborant; DARCHIYEV, A.A., master; D'YACHENKO, T.F., laborant

Dust collection at pilot plant electrothermal furnaces with air-tight charging arrangements. Sbor. nauch. trud. Gintsvetmeta no.18:187-198 '61.
(MIRA 16:7)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut tsvetnykh metallov (for Belyayev, TSessarskiy). 2. Belovskiy tsinkovyy zavod (for Darchiyev, D'yachenko).
(Electric furnaces—Equipment and supplies)
(Dust collectors)

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so that in the central position of the object th[illegible] from each face has the same intensity. In any oth[illegible] intensity reflected from the two faces is not the [illegible] fore the modulated light flux intercepted by the [illegible] has a differe[illegible] form. A description is give[illegible] nic circuit and [illegible] servo-system ele[illegible]ent which [illegible] difference a[illegible] the error signal which [illegible] tion of the [illegible] through an electro-mechani[illegible] culation of the limiting sensitivity of the phot[illegible] and it is shown that the system can be reliably [illegible] starts of 5th magnitude and a guide diameter of about 10 cm. A particular feature of the guides is their simplicity and the [illegible] of two phase asynchronous motors which are used to produce the error signal. The photoguides were tested at the Crimean Astrophysical Observatory on the 16" double astrograph and the 20" [illegible] telescope. There are 7 figures.

SUBMITTED: April 1959

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

35070

3,1200

S/712/60/023/000/004/014
D218/D301

AUTHORS: Sabinin, Yu. A., Belyayev, Ye. N and My[illegible], V. ..

TITLE: Alter[illegible] photoguides [illegible]h analy[illegible] optics for s[illegible] telescopes

SOURCE: Akademiya nauk [illegible] Kry[illegible] k[illegible] observatoriya [illegible] Izvestiya, v. [illegible]

TEXT: In the photoguides described by the authors, light entering the telescope from the object under investigation is divided into two or four beams by a bilateral prism or a [illegible] pyramid respectively. [illegible] light beam is then modulated [illegible] rotating disc and converted into electrical signals by a [illegible]. The signals are amplified and fed into a servo-[illegible] which corrects the position of the telescope so that the object [illegible] in the required position in the field of view. Depending [illegible] particular problem, the photoguide may be one coordinate or [illegible] coordinates. The one coordinate system is illustrated. In this system, light from the telescope is focussed on the edge of the splitting prism

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30496

A.C. photo-guides... S/194/61/000/008/037/092
D201/D304

ate system) or four-faced (for a two-coordinate system) glass prism which puts the light beam from the object being observed into 2 or 4 light beams. Each of the beams is transmitted through a mechanical light chopper (modulator) in the shape of a disc with slits or holes and applied next to the cathode of an antimony-caesium photomultiplier. The output voltage from the multiplier is amplified and applied to the control winding of a 2-phase asynchronous motor which shifts the optical axis of the photoguide together with that of the instruments, decreasing thus the tracking error. Analysis is given of operation of 1- and 2-coordinate photoguides. The procedure is suggested of calculating the limit sensitivity of a photoguide and the results of experiments with photoguides with assaying optics are given. 7 figures. [Abstracter's note: Complete translation]

Card 2/2

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3,1220 (1051, 1114)

30496
S/194/61/000/008/037/092
D201/D304

AUTHORS: Sabinin, Yu.A., Belyayev, Ye.N. and Myasnikov, V.A.

TITLE: A.C. photo-guides with assaying optics for small diameter instruments

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 8, 1961, 40, abstract 8 V311 (Izv. Krymsk. astrofiz. observ., 1960, 23, 174-183)

TEXT: The principle is considered of operation of 1- and 2-coordinate photoelectric follow-up systems (photoguides) for guiding or correcting the movement of astronomical instruments. The purpose of photoguides is to determine the magnitude of the angular error between the optical axis of the instrument and the object being observed and to send a control signal to a drive which reduces this error to the required minimum. The photoguide component which determines the direction and the deviation of the object picture from the optical axis, is either a two (for a single ordin-

Card 1/2

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SABININ, Yu.A.; BELYAYEV, Ye.N.; MYASNIKOV, V.A.

Alternating current photoguides with analyzing optics for small-diameter telescopes. Izv.Krym.astrofiz.obser. 23:174-183 '60.

(Photoelectric measurements) (Astronomical photography) (MIRA 13:10)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

L 17975-65 EWT(1)/EWA(h) Pb-4/Pe-4 AMD/APGC(k) JK

ACCESSION NR: AP5002610 S/0016/64/000/010/0032/0037

AUTHOR: Belyayev, Ye. I.

TITLE: A study of the cytotoxic effect of staphylococcus toxin on tissue cultures. Report 1. Selection of the tissue culture most sensitive to the effect of staphylococcus toxin

SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 10, 1964, 32-37

TOPIC TAGS: toxicology, tissue disease, bacteria

Abstract: Eleven types of tissue cultures at various stages of growth (three primarily cryopreserved and eight reinoculated strains) were tested with three standard Staphylococcus toxins. A day-old culture of fibroblasts from a human embryo proved the most sensitive. The strength of the toxin depended on its age. Orig. art. has 3 tables.

ASSOCIATION: Gor'kovskiy institut epidemiologii i mikrobiologii (Gor'kiy Institute of Epidemiology and Microbiology)

SUBMITTED: 23Nov63 ENCL: 00 SUB CODE: LS

NO REF SOV: 002 OTHER: 005 JPRS

Card 1/1

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

BELYAYEV, Ye. I.

DECEASED

C/1964

1964

OBSTETRICS and GYNECOLOGY

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

SKORNYAKOVA, L.K.; BELYAYEV, Ye.D., red.

[Pediatrician's handbook on organizational problems] Spravochnik pediatra po organizatsionnym voprosam. Moskva, Medgiz, 1958. 341 p.
(PEDIATRICS)
(MIRA 11:5)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

BELYAYEV, Ye.A., inzh.; YAKUBOV, I.U., inzh.

Automation in weighing ores. Gor.zhur. no.1:74 Ja '63.
(MIRA 16:1)

1. Ingichkinskoye rudoupravleniye Uzbekskogo soveta narodnogo khozyaystva.

(Ores) (Weighing machines) (Automatic control)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

POTEKHIN, I.I., glav. red.; BARANOV, A.N., red.; BELYAYEV, Ye.A., red.; GELLER, S.Yu., red.; GRAVE, L.I., st. nauchnyy red.; GRIGOR'YEV, A.A., red.; GUBER, A.A., red.; KULAGIN, G.D., red.; MALIK, Ya.A., red. MANCHKHA, P.I., red.; MILOVANOV, I.V., red.; NERSESOV, G.A., red.; OL'DEROGGE, D.A., red.; ORLOVA, A.S., red.; POPOV, K.M., red. ROZIN, M.S., kand. ekon. nauk, red.; SMIRNOV, S.R., red.; UFIMOV, I.S., red.; SHVEDOV, A.A., red.; YASTREBOVA, I.P., red.; PAVLOVA, T.I., tekhn. red.

[Africa; encyclopedia] Afrika; entsiklopedicheskii spravochnik. Glav. red. I.I.Potekhin. Chleny red. kollegii: A.N.Baranov i dr. Moskva, Vol.1. A - L. 1963. 474 p. (MIRA 16:4)

1. Sovetskaya entsiklopediya, Gosudarstvennoye nauchnoye izdatel'-stvo, Moscow.

(Africa--Dictionaries and encyclopedias)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

BELYAYEV, Ye.A., inzh.

Future development of corn drills for 1962-1965. Trakt. i sel'khozmash. 32 no.10:32-33 O '62. (MIRA 15:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozyaystvennogo mashinostroyeniya.
(Corn (Maize))
(Drill (Agricultural implement))

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

VEREMEYEV, A.P.; BELYAYEV, Ye.A.

The SKNK-6 combined corn planter. Biul.tekh.-ekon.inform. no.2: 65-66 '62. (MIRA 15:3)

(Planters (Agricultural machinery))

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

VEREMEYEV, A.P., inzh.; BELYAYEV, Ye.A., inzh.

The SKNK-6 combined corn planter and fertilizer spreader. Trakt. i sel'khozmash. 32 no.2:32 F '62. (MIRA 15:2)
(Planters (Agricultural machinery))

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

IVANOV, Nikolay Alekseyevich; BELYAYEV, Ye.A., otv.red.; DEMIN, A.I., red.izd-va; KRASNAYA, A.K., tekhn.red.

[Present-day Tunisia] Sovremennyi Tunis. Moskva, Izd-vo vostochnoi lit-ry, 1959. 130 p. (MIRA 12:5)
(Tunisia)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

BELYAYEV, Ye., kand.tekhn.nauk; YAKOBSON, N., inzh.

New type of bridge with a flexibel design layout. Prom. stroi. i inzh. soor. 5 no.2:49-50 Mr-Ap '63. (MIRA 16:4)
(Cranes, derricks, etc.—Design and construction)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

TSETSINOVSKIY, V., kand.tekhn.nauk; PTUSHKINA, G., nauchnyy sotrudnik; BELYAYEV, Ye., nauchnyy sotrudnik

Ways for improving the grading of shelled corn at plants and grain procurement points. Muk.-elev. prom. 24 no.9:11-14 S '58. (MIRA 11-10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zerna i produktov yego pererabotki (for TSetsinovskiy, Ptushkina). 2. Vsesoyuznyy institut sel'skokhozyaystvennogo mashinostroyeniya (for Belyayev).
(Corn (Maize)--Grading)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

BELYAYEV, Ye., Eng.

What should the municipal engineer be like. Zhil. -kom. khoz. 2 no. 8, 1952

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

BELYAEV, YA. V.

Orlon, M. V. and Belyaev, Ya. V. "Planning of universal sectional NIIP system of 33 thousand hatcheries," Trudy Naucn.-issled. in-ta ptitsevodstva, Vol. XIX, 1948 p. 217-39

SO: U-2888, Letopis Zhurnal'nykh Statey, No. 1, 1949

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

1. BELYAYEV, Ya.

2. USSR (600)

4. Moving-Picture Projectors

7. Economizing on moving-picture projector carbons N. Voloskov. Kinomekhanik, No. 3, 1953.

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

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

BELYAYEV, V.Ye., polkovnik meditsinskoy sluzhby; KLYACHKIN, L.M., mayor meditsinskoy sluzhby

Use of adrenocorticotropic hormone, cortisone, and prednisone in the treatment of burns. Voen.-med. zhur. no.8:38-43 Ag '60. (MIRA 14:7)

(BURNS AND SCALDS) (ACTH)
(CORTISONE) (PREGNADIENETRIONE)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

BELYAYEV, V.YE.

BELOV, N.A., mayor meditsinskoy sluzhby; BELYAYEV, V.Ye., podpolkovnik meditsinskoy sluzhby

Functional changes in the internal organs in burns. Voen-med.zhur. no.8:11-15 Ag '57. (MIRA 10:12)

(BURNS, physiology, internal organs (Rus))

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

BELYAYEV, V.YE.

BELYAYEV, V.Ye. (Leningrad)

Prothrombin level of the blood in hypertension and its change after the application of leeches. Klin.med. 35[i.e.34] no.1 Supplement:4 Ja '57. (MIRA 11:2)

1. Iz kliniki gospital'noy terapii (nach. - chlen-korrespondent AMN SSSR prof. N.S.Molchanov) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova.
(HYPERTENSION) (BLOOD--EXAMINATION) (LEECHES)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

SHUMYGIN, D.Ya., polkovnik meditsinskoy sluzhby; MELYAYEV, V.Ye., podpolkovnik meditsinskoy sluzhby

Function of the adrenal cortex in burn disease. Voen.-med. zhur. no.3:38-42 '65. (MIRA 18:11)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

VOLKOV, A.A.; MURATKHODZHAYEV, N.K.; ZEN'KOVICH, S.G.; SINITSYN, R.V.; BELYAYEV, V.V.

Radiation load of medical personnel working with Au^{139} granules in a neuro-oncological clinic. Med. rad. 8 no.5:39-43 My '63. (MIRA 17:5)

1. Iz Leningradskogo neyrokhirurgicheskogo instituta imeni prof. A.L. Polenova.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

BELYAYEV, V.V., inzhener-kapitan 1-go ranga

Some aspects of the development of service ships abroad.
Mor. sbor. 48 no.4:87-91 Ap '65. (MIRA 18:6)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

BELYAYEV, V.V., kand. nauk.

Sprinkling machines. Dokl. TSKhA no.27:145-150 '57. (MIRA 11:4)
(Sprinklers)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

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BELYAEV, Viktor Vasil'yevich, kandidat tekhnicheskikh nauk; LEBEDEV, Boris Mikhaylovich, kandidat tekhnicheskikh nauk; STRUKOV, N.I., kandidat tekhnicheskikh nauk, retsenzent; ZHILINSKIY, V.A., kandidat tekhnicheskikh nauk, redaktor; YEGORKINA, L.I., redaktor izdatel'stva; UVAROVA, A.F., tekhnicheskiy redaktor

[Sprinkling machines; construction, calculation, operation and testing] Dozhdeval'nye mashiny; konstruktsii, raschet, ekspluatatsiia i ispytaniia. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1957. 231 p. (MLRA 10:5)
(Sprinkler irrigation)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

BELYAYEV, V.V.

Slotted sprinkler nozzles. Sel'khozmashina no.12:14-16 D '55.
(MLRA 9:3)

(Nozzles)

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BELYAYEV, V.V., kandidat tekhnicheskikh nauk.

Testing the strength of ribs of sprinklers. Sel'khozmashina no. 7:25-27 Jl '54. (MLRA 7:7)
(Sprinklers)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

BELYAYEV, V.V., kandidat tekhnicheskikh nauk [reviewer].

Review of S.P.Kazakov and M.A.Markin's article "New multiconduit nozzle with mechanical vibrators." Sel'khozmashina no.11:31-32 N '53. (MLRA 6:11)
(Nozzles) (Kazakov, S.P.) (Markin, M.A.)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

BELYAYEV, V.V., kandidat tekhnicheskikh nauk.

Supporting structures for short-jet sprinklers with wide coverage. Sel'-khozmashina no.11:15-17 N '53. (MLRA 6:11)
(Sprinklers)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

BELYAYEV, V.V., inzh.-kapitan 1-go ranga

Modern problems of military shipbuilding. Mor. sbor. 48 no.2:79-84 F '65. (MIRA 18:11)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

BELYAYEV, V.V., inzh.

Automatizing cross sawing of lumber and processing of bar-shaped window elements. Biul.tekh.inform. 4 no.11:13-14 N '58.
(MIRA 11:12)

(Woodworking industries) (Automatic control)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

BELYAYEV, V.V., inzh.

Conveying unit for manufacturing laminated glued timber products.
Biul. tekh. inform. 4 no.1:25-26 Ja '58. (MIRA 11:2)
(Plywood)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

BELYAYEV, V.V.

BELYAYEV, V.V., inzh.

Improving organization in woodworking enterprises. Biul. tekh. inform. 3 no.11:8-10 N '57. (MIRA 11:1)

(Woodworking industries)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

BELYAYEV, V.V., inzhener.

Automatic transfer line for the production of bar-shaped articles made of wood. Biul.tekh.inform. 3 no.5:19-22 '57. (MLRA 10:10)
(Machinery, Automatic) (Woodwork)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

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L 21405-66

ACC NR: AP6009889

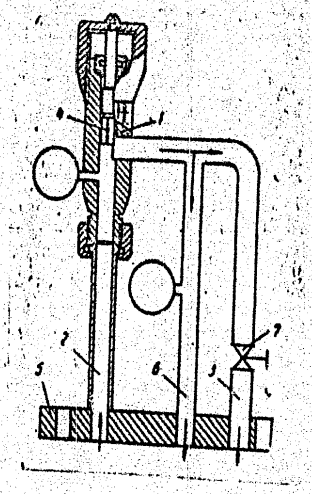

Fig. 1. Oil-pump checking device

1 - Casing; 2 - intake pipe; 3 - overflow pipe; 4 - plunger; 5 - assembly plate; 6 - additional pipe; 7 - throttle valve.

assembly plate to facilitate connection to the oil line. Ad additional pipe is connected parallel to the overflow pipe. To develop a given optimum pressure in the oil system, the overflow pipe is fitted with a throttle valve. Orig. art. has: 1 figure.

[LB]

SUB CODE: 21, 14/ SUBM DATE: 18Aug64/ ATD PRESS: 4221

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

L 21405-66 EWT(1)/EWT(m)/EPF(n)-2/T/ETC(m)-6 WW/DJ

ACC NR: AP6009889 (A) SOURCE CODE: UR/0413/66/000/004/0081/0081

38

INVENTOR: Sharoglazov, B. A.; Belyayev, V. V.

ORG: none

TITLE: Device for checking oil-pump output. Class 42, No. 179020

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 4, 1966, 81

TOPIC TAGS: internal combustion engine, oil pump, test equipment, oil pressure

ABSTRACT: An Author Certificate has been issued for a device for checking the output of internal-combustion-engine oil pumps. The unit contains a casing, series-connected intake and overflow pipes, and a plunger for varying the cross-sectional area of the overflow pipe. To check the pump on a running engine, the pipes are mounted on an

Card 1/2 UDC: 681.121.8:621.43-728

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BELYAYEV, V.V., inzh.-kapitan pervogo ranga; BEREZOVSKIY, V.N., kapitan pervogo ranga; KVITNITSKIY, A.A., kapitan pervogo ranga; KOVALEV, A.P., kapitan pervogo ranga zapasa; RODIONOV, A.I., kontr-admiral, red.; MASLOVA, N.Ya., tekhn. red.

[Antisubmarine defense in modern war fare; collection of translated articles]Protivolodochnaia oborona v sovremennoi voine; sbornik perevodnykh statei. Moskva, Voenizdat, 316 p.
(MIRA 15:10)

(Submarine warfare)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

BELYAYEV, V.V., inzh.-kapitan 1 ranga

"Submarines of the imperialist powers" by V. N. Gerasimov, V. F. Droblenkov. Reviewed by V. V. Beliaev. Mor.sobr. 44 no.1:92-96 Ja '61. (MIRA 14:3)

(Submarine boats)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

BELYAYEV, ~~Vera Vadimovna,~~ prepodavatel'; KUPRIYANOVA, A.T., otv. za vypusk; BARINOV, N.A., red.; SHAKHOVA, L.I., red.; DORODNOVA, L.A., tekhn. red.

[Teaching the course "General technology of metals" in technical schools] Prepodavanie kursa "Obshchaia tekhnologiia metallov" v tekhnicheskom uchilishche. Moskva, Vses.uchebno-pedagog.izd-vo, Proftekhizdat, 1960. 74 p. (MIRA 14:12)

1. Tul'skoye tekhnicheskoye uchilishche No.1 (for Belyayeva).
(Metals--Study and teaching)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

BELYAYEV, V. V.

USSR / Farm Animals. Small Horned Stock. Q-3

Abs Jour: Ref Zhur-Biol., No 12, 1958, 54801.

Author : Belyayev, V. V.
Inst : Not given.
Title : Certain Data Pertaining to the Structure of the Solar Plexus of Sheep.

Orig Pub: Tr. Novocherkasskogo zootekhn.-vet. in-ta, 1957, vyp. 10, 159-162.

Abstract: Certain peculiarities of the solar plexus of sheep, which may be either of a compact or scattered type (the first type is encountered more frequently), are described. In particular, it was noticed that the dimensions of the compact semilunar bundle are extremely unstable: in lambs, its length is 15 to 30 mm. and its width is 4 to 7 mm.; in adult sheep, it is 30 to 60 mm. and 7 to 12 mm., respectively.

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1ST AND 2ND ORDERS

3RD AND 4TH ORDERS

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Belyayev, V.V.

CA

18

New methods for preventing the rupture of pyrite burner shells. V. V. Belyaev, E. M. Kotikov, and N. P. Epifanov. *Khimicheskaya Prom.* 1945, No. 11, 21-6. The thermal changes taking place in a pyrite burner, and the changes which the various construction materials of the furnace undergo are calcd. From these data are calcd. the allowances which must be made and the strength required to prevent rupture of shells. M. H.

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ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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BELYAYEV, V.T.

Automatic line of modernized machine tools. Mashinostroitel' no.9:21 S '61. (MIRA 14:10)

(Machine tools) (Automation)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

BELYAYEV, V.T.

Experience in conducting industrial seminars.
Mashinostroitel' no.6:45 Je '60. (MIRA 13:8)
(Technical education)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

BELYAYEV, V.S., kand.med.nauk

Conference dedicated to the 10th anniversary of the tissue bank of Czechoslovakia. Sov.Med. 27 no.7:153-155 Jl'63. (MIRA 16:9)

(CZECHOSLOVAKIA—TISSUES—PRESERVATION)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

BELYAYEV, V.S.

Tachometer testing stand. Priborostroenie no.10:23-24 O '60.
(MIRA 13:11)

(Tachometer--Testing)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

ROMAN, O. V.; BELYAYEV, V. S.; KUTSER, M. Ya.

"The use of byproduct steel powder from ball bearing production in powder metallurgy." paper to be presented at Intl Powder Metallurgy Conf, New York City, 14-17 June 65. Belorussian Polytechnic Inst.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

BELYAYEV, V.S., kand. tekhn. nauk; SEVER'YANOV, A.N., mladshiy nauchnyy sotrudnik; GENIN, M.S., inzh.

New rod bolting. Ugol' 38 no.6:14-16 Je '63. (MIRA 16:8)

1. Institut gornogo dela im. A.A. Skochinskogo.
(Mine roof bolting)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

BELYAYEV, V. S., kand. tekhn. nauk; FEOKTISTOV, G. P., inzh.; BALASHOV, N. D., inzh.

Selection of methods of mechanization in mining thick seams in mines of the Noril'sk coal deposit. Mekh. i avtom. v gornoi prom. no.2:42-59 '62. (MIRA 16:1)

(Noril'sk region--Coal mines and mining--Equipment and supplies)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

BELYAYEV, V.S.; BORISENKO, L.D.; BORISENKO, E.V.; KORABLEV, A.A.; KOLYSHKIN, O.M.; KUTLUNIN, V.A.; MALYAGIN, M.S.; SOKOLOV, A.I.; CHUDAKOV, A.I.; ABRAMOV, V.I., otv.red.izd-va; BOLDYREVA, Z.A., tekhn.red.

[Manual for the coal mine mechanic] Spravochnik mekhanika ugol'noi shakhty. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu, 1960. 612 p. (MIRA 13:12)
(Coal mining machinery)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

BELYAYEV, V.S.

Determining the efficiency of tunneling machinery. Vop. rud. transp. no.3:395-407 1959. (MIRA 14:4)

1. Institut gornogo dela AN SSSR.
(Mining machinery)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

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BUCHNEV, V.K., prof., doktor tekhn. nauk; KALININ, R.A., dotsent; KORABLEV, A.A., kand. tekhn. nauk; MONIN, G.I., inzh.; BELYAYEV, V.S., kand. tekhn. nauk; MERKULOV, V.Ye., inzh.; ALEKSEYENKO, V.D., inzh.; IL'SHTEYN, A.M., kand. tekhn.nauk; GELESKUL, M.N., kand. tekhn.nauk; KOBISHCHANOV, M.A., kand. tekhn.nauk; DOBROVOL'SKIY, V.V., kand. tekhn. nauk; MALYSHEV, A.G., inzh.; VOROPAYEV, A.F., prof., doktor tekhn. nauk; LIDIN, G.D., prof., doktor tekhn.nauk; TOPCHIYEV, A.V., prof.; VEDERNIKOV, V.I., kand. tekhn.nauk; KUZ'MICH, I.A., kand. tekhn. nauk; LEYTES, Z.M., inzh.; SYSOYEVA, V.A., kand. tekhn. nauk; MELAMED, Z.M., kand. tekhn.nauk; CHERNAVKIN, N.N., inzh.; KARPILOVICH, M.Sh., inzh.; MEL'KUMOV, L.G., inzh.; BOGOPOL'SKIY, B.Kh., inzh.; FROLOV, A.G., doktor tekhn.nauk; KHVOSTOV, F.K., inzh.; BAGASHEV, M.K., kand. tekhn. nauk; KAMINSKIY, I.N., inzh.; PETROVICH, T.I., inzh.; ZHUKOV, V.V., red. izd-va; LOMILINA, L.N., tekhn. red.; PROZOROVSKAYA, V.L., tekhn. red.

[Mining engineers' handbook]Spravochnik gornogo inzhenera. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po gornomu delu, 1960. (MIRA 14:1)

(Mining engineering—Handbooks, manuals, etc.)

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ALEKSANDROV, B.F.----(continued) Card 2.

BELYAYEV, V.S., inzh., red.; BUKHANOVA, L.I., inzh., red.; VLASOV, V.M., inzh., red.; GLADILIN, L.V., prof., doktor tekhn.nauk, red.; GREBTSOV, N.V., inzh., red.; GRECHISHKIN, F.G., inzh., red.; GONCHAREVICH, I.F., kand.tekhn.nauk, red.; GUDALOV, V.P., kand.tekhn. nauk, red.; IGNATOV, N.N., inzh., red.; LOMAKIN, S.M., dotsent, kand. tekhn.nauk, red.; MARTYNOV, M.V., dotsent, kand.tekhn.nauk, red.; POVOLOTSKIY, I.A., inzh., red.; SVETLICHNYY, P.L., inzh., red.; SAL'TSEVICH, L.A., kand.tekhn.nauk, red.; SPERANTOV, A.V., kand.tekhn. nauk, red.; SHETLER, G.A., inzh., red.; ABARBARCHUK, F.I., red.izd-va; PROZOROVSKAYA, V.L., tekhn.red.; KONDRAT'YEVA, M.A., tekhn.red.

[Mining; an encyclopedic handbook] Gornoe delo; entsiklopedicheskii spravochnik. Glav.red.A.M.Terpigorev. Chleny glav.redaktsii A.I. Baranov i dr. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu. Vol.7. [Mining machinery] Gornye mashiny. Redkol.toma A.V.Topchiev i dr. 1959. 638 p. (Mining machinery) (MIRA 13:1)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

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BELYAYEV V S.

ALEKSANDROV, B.F., inzh.; BALYKOV, V.M., inzh.; BARANOVSKIY, F.I., inzh.; BOGUTSKIY, N.V., inzh.; BUN'KO, V.A., kand.tekhn.nauk, dotsent; VAVILOV, V.V., inzh.; VOLOTKOVSKIY, S.A., prof., doktor tekhn.nauk; GRIGOR'YEV, L.Ya., inzh.; GRIDIN, A.D., inzh.; ZARMAN, L.N., inzh.; KOVALEV, P.F., kand.tekhn.nauk; KUZNETSOV, B.A., kand.tekhn.nauk, dotsent; KUSNITSYN, G.I., inzh.; LATYSHEV, A.F., inzh.; LEYBOV, R.M., doktor tekhn.nauk, prof.; LEYTES, Z.M., inzh.; LISITSYN, A.A., inzh.; LOKHANIN, K.A., inzh.; LYUBIMOV, B.N., inzh.; MASHKEVICH, K.S., inzh.; MALKHAS'YAN, R.V.; MILOSERDIN, M.M., inzh.; MITNIK, V.B., kand.tekhn.nauk; MIKHEYEV, Yu.A., inzh.; PARAMONOV, V.I., inzh.; ROMANOVSKIY, Yu.G., inzh.; RUBINOVICH, Ye.Ye., inzh.; SAMOYLYUK, N.D., kand.tekhn.nauk; SMEKHOV, V.K., inzh.; SMOLDYREV, A.Ye., kand.tekhn.nauk; SNAGIN, V.T., inzh.; SNAGOVSKIY, Ye.S., kand.tekhn.nauk; FEYGIN, L.M., inzh.; FRENKEL', B.B., inzh.; FURMAN, A.A., inzh.; KHORIN, V.N., dotsent, kand.tekhn.nauk; CHETVEROV, B.M., inzh.; CHUGUNIKHIN, S.I., inzh.; SHELKOVNIKOV, V.N., inzh.; SHIRYAYEV, B.M., inzh.; SHISHKIN, N.F., kand.tekhn.nauk; SHPIL'BERG, I.L., inzh.; SHORIN, V.G., dotsent, kand.tekhn.nauk; SHTOKMAN, I.G., doktor tekhn.nauk; SHURIS, N.A., inzh.; TERPIGOREV, A.M., glavnyy red.; TOPCHIYEV, A.V., otv.red.toma; LIVSHITS, I.I., zamestitel' otv.red.; ABRAMOV, V.I., red.; LADYGIN, A.M., red.; MOROZOV, R.N., red.; OZERNOY, M.I., red.; SPIVAKOVSKIY, A.O., red.; FAYBISOVICH, I.L., red.; ARKHANGEL'SKIY, A.S., inzh., red.;

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BELYAYEV, V.S., kandidat tekhnicheskikh nauk.

Size of the lead for haulage entries in long face mining and the effect this factor has on longwall operations. Ugol' 31 no.8:18-21 Ag '56. (MLRA 9:10)

1.Vsesoyuznyy ugol'nyy institut.
(Donets Basin--Coal mines and mining) (Mine haulage)

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YUSHCHENKO, Aleksey Ivanovich; VOLOD'KO, Konstantin Petrovich; BELYAYEV, V.S., otvetstvennyy redaktor; D'YAKOVA, G.B., redaktor izdatel'stva; ALADOVA, Ye.I., tekhnicheskiy redaktor

[PPM-3 rock loading machine] Porodpogruzhochnaia mashina PPM-3. Moskva, Ugletekhizdat, 1956. 106 p. (MLRA 10:3)
(Loading and unloading) (Coal mining machinery)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

BELYAYEV, V. S.

BELYAYEV, V. S.: "Investigation of the process of exchanging trucks in passing through the basic horizontal preparatory processes and methods of mechanizing it." Moscow, 1955. Min Mining Industry USSR. All-Union Sci Res Coal Inst (VUGI). (Dissertation for the Degree of Candidate of Technical Sciences)

SO: Knizhnaya Letopis' No. 47, 19 November 1955. Moscow.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

Experimenting the Calcium Method for the Determination of SOV/7-58-8-2/8
the Absolute Age of Sylvites

determined by the K/Ar-method. The potassium content was determined by the dipicryl amine method. Argon was measured volumetrically. The isotope analysis of the separated argon was carried through by A. V. Mattes with the mass spectrometer MS-2m. The results are given in table 5, and they are in good agreement with the results of the calcium method provided the investigated sample was not recrystallized (Table 6). The authors thank A. N. Murin and L. M. Krizhanskiy for advice. There are 2 figures, 6 tables, and 14 references, 6 of which are Soviet.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut i Radiyevyy institut AN SSSR, Leningrad (All-Union Scientific Research Institute of Geology and Radium Institute AS USSR, Leningrad)

SUBMITTED: June 23, 1958

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AUTHORS: Polevaya, N. I., Titov, N. Ye., Belyayev, V. S., Sprintsson, V. D.

SOV/7-58-8-2/8

TITLE: Experimenting the Calcium Method for the Determination of the Absolute Age of Sylvites (Opyt primeneniya kal'tsiyevogo metoda dlya opredeleniya absolyutnogo vozrasta sil'vinov)

PERIODICAL: Geokhimiya, 1958, Nr 8, pp 718 - 726 (USSR)

ABSTRACT: The possibility of employing the calcium method for age determinations was investigated in this paper. Two samples of white sylvite from stratum "B", Verkhnekamskoye deposit, Berezniki, and one sample from Polovininskaya skvazhina (Irkutskiy amfiteatr) were examined. Calcium was separated from potassium by ion exchangers. For this purpose a new method was developed by the authors and controlled by means of the radioactive isotope Ca^{45}. An apparatus of the type B was used for the measurements. The separated calcium was determined by isotope dilution with Ca^{42} by the aid of the mass spectrometer MS-2m. The Ca^{44}/Ca^{42} - isotope ratio was determined again (Table 4). The resulting age data are given in table 2. For a comparison, the age was also

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67765

SOV/126-8-5-18/29

Influence of Vacuum on the Changes in Critical Temperature, Structure and Chemical Composition of Cast Iron

There are 4 figures, 1 table and 10 references, of which 9 are Soviet and 1 is German.

ASSOCIATION: Institut metallurgii UFAN SSSR (Institute of Metallurgy, Ural Branch of Acad.Sci. USSR)

SUBMITTED: November 21, 1958

Card 3/3

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

67765

SOV/126-8-5-18/29

Influence of Vacuum on the Changes in Critical Temperatures, Structure and Chemical Composition of Cast Iron

cooled, the critical points being determined. Below the eutectic-transformation temperature the specimen was held for 20 minutes and then finally cooled. The type of fracture was determined, polished sections were prepared and chemical analysis carried out. It was found (table) that the manganese content of the vacuum treated iron was 0.04-0.14% compared with 0.54-0.64 in the starting material, the corresponding figures for sulphur content being 0.007-0.008 and 0.042-0.069%, and for graphite 3.50-3.67 and 2.73-3.04. Silicon and phosphorus were unchanged at 1.7 and 0.14%, respectively. The vacuum treatment gave a reduction in the eutectic and an increase in the eutectoid transformation temperatures. The vacuum treatment did not affect the lamellar form of the graphite (Figs 2, 3) but the background changed from pearlitic to ferritic. A white iron (4.1% C, 0.18% Si, 0.2% Mn, 0.3% P) was also vacuum treated, after which it gave a grey fracture (Fig 4).

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67765

SOV/1 26-8-5-18/29

AUTHORS: Chernobrovkin, V.P., Belyayev, V.S., and Dobryden', A.A.

TITLE: Influence of Vacuum on the Changes in Critical Temperatures, Structure and Chemical Composition of Cast Iron

PERIODICAL: Fizika metallov i metallovedeniye, Vol 8, 1959, Nr 5, pp 747-751 (USSR)

ABSTRACT: The authors give a brief account of the small amount of work (Refs 6, 7, 8) on the vacuum treatment of cast iron and go on to describe their own experiments. These were carried out in a type TGV-1 vacuum furnace with molybdenum elements (Fig 1), in which a residual pressure of 10^{-4} mm Hg could be produced. Iron was cast into special sand moulds (Ref 10), the critical temperatures being determined during the cooling. A 35-36 mm long section was cut from the ingots and machined into a crucible-shaped piece with an axial thermocouple hole 3.5-4 mm in diameter. The piece in its crucible was placed in a larger crucible on a refractory support in the furnace, the whole being covered with a bell-jar connected to the pumping system. After slow melting and holding for 30 minutes at about 1250 °C the iron was

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BELYAYEV, V.S.

Akademiya nauk SSSR. Ural'skiy filial. Institut metallurgii

Trudy, Vyp. 4 (Transactions of the Institute of Metallurgy, Ural Branch, Academy of Sciences, USSR; No. 4) Sverdlovsk, 1958. 157 p. Errata slip inserted. 1,000 copies printed.

Editorial Board: N.A. Vatolin (Resp. Ed.), Candidate of Technical Sciences; A.S. Mikulinskiy, Professor, Doctor; V.Ya. Miller, Professor; P.A. Pazdnikov, Candidate of Technical Sciences; and S.S. Lisnyak, Candidate of Technical Sciences; Ed.: M.S. Baranovskaya.

PURPOSE: This book is intended for ferrous and nonferrous metallurgists.

COVERAGE: The book presents results of investigations of theoretical problems in metallurgy and chemistry and gives information on the efficient use of raw materials in ferrous and nonferrous metallurgy and on the development of new production processes in the metallurgical and chemical industries. The articles were written by junior members and experienced specialists of the scientific staff of the Institutes of Metallurgy, Chemistry, and Electrochemistry, Ural Branch, Academy of Sciences, USSR.

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BELYAYEV, V.S.

Some changes in the degree of [illegible] under experimental conditions. [illegible] no. [illegible] T. [illegible] (MIRA [illegible])

1. Iz eksperimental'nog [illegible] (V.S. [illegible]) Instituta meditsinskoy klimatologii [illegible] Sechenova (dir. B.V. Bogutskiy), kat[illegible] prof. B.P. Khvatov) Krymskogo [illegible] [illegible]inskoy gorodskoy bol'nitsy (glavnyy [illegible] S.[illegible] Kar[illegible]). Predstavlena deystvitel'nym [illegible] AMN SSSR N.A. Krayevskim.

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BELYAYEV, V.S., kand. tekhn. nauk; SEVER'YANOV, A.N., inzh.

Method of studying the bearing capacity of slot and wedge type anchor bolts. Ugol' 38 no.11:37-39 N '63.

(MIRA 17:9)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

BELYAYEV, V.S.

Power transformers and improvement of the design of complex power distribution systems. Prom. energ. 19 no. 4:56-57 Ap '64. (MIRA 17:5)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

BELYAYEV, V. S. Cand Med Sci -- (diss) "Embryonic cornea as a keratoplasty material." Simferopol', 1959. 13 pp (Crimean State Med Inst im I. V. Stalin), 200 copies (KL, 45-59, 149)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

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BELYAYEV, V.P.

Use of aminazine in the treatment and study of psychotic epileptic states. Vop. psikh. nevr. no.10:72-83 '64.

(MIRA 18:12)

1. 1-ye psikhiatricheskoye otdeleniye (nauchnyy rukovoditel' prof. T.Ya.Khvilivitskiy) Leningradskogo nauchno-issledovatel'skogo psikhonevrologicheskogo instituta imeni V.M.Bekhtereva (direktor - B.A.Lebedev).

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L 1807-66
ACCESSION NR: AT5022886

turbed zones, the two methods yielded different values for the thickness of the zone (either method could yield the higher value). Good agreement was obtained in about 74% of the comparisons. Data from three series of tests in the Tbilisi region indicate that there is a 75—85% probability that turbulence will occur or not occur over a period of 1 1/2 hr. Orig. art. has: 1 figure and 1 table. [ER]

ASSOCIATION: Tsentral'naya aerologicheskaya observatoriya (Central Aerological Observatory) 44,55

SUBMITTED: 00 ENCL: 00 SUB CODE: ES

NO REF SOV: 002 OTHER: 000 ATD PRESS: 4111

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L 1807-66 EWT(1)/FCC GW
ACCESSION NR: AT5022886

UR/2789/65/000/063/0109/0113
551.551.5

AUTHOR: Belyayev, V. P.; Beltadze, T. G.; Gadakchan, V. O.; Lominadze, V. P.

TITLE: Some results of comparing radiosonde and aircraft measurements of turbulence in the free atmosphere

SOURCE: Tsentral'naya aerologicheskaya observatoriya. Trudy, no. 63, 1965. Voprosy dinamiki atmosfery (Problems of atmospheric dynamics), 109-113

TOPIC TAGS: atmospheric turbulence, free atmosphere, aircraft bump, aircraft measurement, radiosonde measurement

ABSTRACT: Measurements made from aircraft of atmospheric turbulence are compared with radiosonde measurements (with an overload attachment) to determine the value of radiosonde data for predicting turbulent zones over air routes. To test the method it was necessary to make experimental plane flights to measure bumpiness intensity over the same area with the radiosonde measurements. Analyses showed that there were zones in which there was good agreement between data from the two sources, including agreement concerning the thickness of the disturbing zone. However, in other cases it was found that although radiosonde and airplane data simultaneously detected dis-

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ACCESSION NR: AT4038390

cited are turbulence data for the United States and data collected by E. A. Hyde (1954) for air routes from London to the Far East and back, and London to North Africa. Orig. art. has: 12 tables, 20 figures, and 36 formulas.

ASSOCIATION: none

SUBMITTED: 00 DATE ACQ: 11Jun64 ENCL: 00

SUB CODE: ES NO REF SOV: 019 OTHER: 006

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ACCESSION NR: AT4038390

such parameters as air temperature, humidity, pressure, wind velocity and wind direction. Turbulence was measured mostly by balloon-borne radiosondes with an A-22-III accelerometer attached. Sufficient data have been collected (457 radiosonde ascents in 1961—62) to determine a turbulence pattern over the aforementioned localities. Turbulence occurs with the highest frequency in the 1—2 km ground layer, it then decreases reaching a minimum at 6—7 km and then reaches a maximum again at 10—12 km. Data were analyzed to determine other turbulence characteristics depending on location, season, altitude, etc. It was noted that turbulence generally depends on thermal and dynamic stratification in the atmosphere and frequently occurs during pronounced vertical wind and temperature gradients. Two turbulent layers are frequently observed: one above the jet stream and one below it. Turbulence is minimal on the jet stream level. It was also observed that over Moscow and Sukhumi the turbulent layer seldom exceeds 200—400 m and only over Tashkent at 5—7 km is it ever more than 1000 m thick. The experimental work was carried out by the Central Aerological Observatory, Moscow. Also

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

ACCESSION NR: AT4038390 S/2789/64/000/054/0004/0052

AUTHOR: Belyayev, V. P.; Beltadze, T. G.; Litovchenko, V. P.; Litvinova, V. D.; Lominadze, V. P.; Pinus, N. Z.; Sofiyev, Ye. M.; Shur, G. N.

TITLE: Some results of experimental studies of atmospheric turbulence by means of radiosondes

SOURCE: Tsentral'naya aerologicheskaya observatoriya. Trudy*, no. 54, 1964. Atmosfernaya turbulentnost' (Atmospheric turbulence), 4-52

TOPIC TAGS: meteorology, atmospheric turbulence, radiosonde, air route turbulence

ABSTRACT: A description is given of methods and equipment for measuring air turbulence over Moscow, Sukhumi (Caucasus), and Tashkent (Kazakhstan). One of the noteworthy features of the method is the synchronization of measurements of air turbulence with

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ACCESSION NR: AT4033562

ENCLOSURE: 01

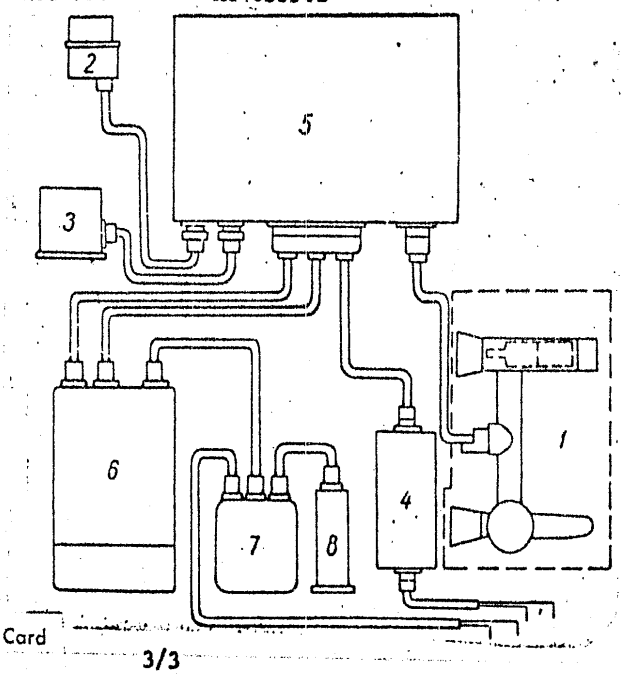

Fig. 1. Block diagram of helicopter electrometeorograph. 1 -- support extending from nose of helicopter with temperature, temperature fluctuation and humidity sensors; 2 -- potentiometric pressure sensor; 3 -- MP-23 potentiometric overload sensor; 4 -- power source; 5 -- measurement bridges; 6 -- K-12-21 optical recorder; 7 -- remote-control apparatus for recorder; 8 -- electric clock; 9 -- calibration unit.

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ACCESSION NR: AT4033562

The humidity sensor is a specially processed animal membrane. A special support extending from the nose of the aircraft supports the temperature, temperature fluctuation and pressure sensors. The pressure sensor employs an aneroid unit of phosphor bronze. An MP-23 potentiometric sensor, placed at the center of gravity of the helicopter, is used to detect aircraft overloads. The range of measured overloads is ±1.5 g. The five meteorological parameters are recorded simultaneously with a K-12-21 oscillograph. Air temperature is determined with a maximum error less than ±0.5C in the range from -20 to +30C, temperature fluctuations are measured in the range ±3C with a maximum error less than ±0.2C in the frequency range from 0.01 to 5 cps, the relative humidity unit determines this parameter with a maximum error less than ±7% in the range 25 to 100%, the pressure unit measures pressure in the range 1025 to 700 mb with a maximum error not exceeding ±3 mb. The apparatus has been tested on 50 flights with a total duration of about 110 hours. Orig. art. has: 7 figures.

ASSOCIATION: Tsentral'naya aerologicheskaya observatoriya (Central Aerological Observatory)

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SUB CODE: ES

DATE ACQ: 16Apr64

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OTHER: 000

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

ACCESSION NR: AT4033562 S/2922/63/009/000/0124/0132

AUTHOR: Belyayev, V. P.; Vinnichenko, N. K.; Pakhomov, L. A.

TITLE: Helicopter electrometeorograph

SOURCE: Vsesoyuznoye nauchnoye meteorologicheskoye soveshchaniye. 1st, Leningrad, 1961. Pribory* i metody* nablyudeniy (Instruments and methods of observation); trudy* soveshchaniya, v. 9, Leningrad, Gidrometeoizdat, 1963, 124-132

TOPIC TAGS: meteorology, meteorological instrument, meteorograph, electrometeorograph, helicopter electrometeorograph

ABSTRACT: A helicopter electrometeorograph was developed by the Tsentral'naya aerologicheskaya observatoriya (Central Aerological Observatory) in 1960. The instrument is used for highly accurate measurement of temperature, temperature fluctuations, pressure, air humidity and helicopter overload. All these parameters are converted into electric pulses. A block diagram is shown as Fig. 1 of the Enclosure. The instrument is broken down into units for easy placement on a helicopter where space is at a premium. The temperature sensors are three resistance thermometers manufactured from a special platinum wire 0.06 mm in diameter; the resistance of each thermometer is approximately 130 ohms (at t = 20C).

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BELYAYEV, V.P.; SHUR, G.N.

Turbulence measurement at high altitudes by means of sounding balloons. Trudy TSAO no.43:91-98 '62. (MIRA 15:7)
(Atmospheric turbulence) (Radiosondes)

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BELYAYEV, V.P., inzh.

Determining the correlation function of the flashover of electric brushes by means of electronic computers. Trudy OMIIT 40:163-171 '63. (MIRA 18:8)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

BELYAYEV, V.P.; VINNICHENKO, N.K.; PAKHOMOV, L.A.

Electrometeorograph for helicopters (VEM). Trudy GGO no.135: 135-146 '62. (MIRA 15:8)

(Meteorological instruments)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

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KUZ'MIN, N.M.; BELYAYEV, V.P.; KALINACHENKO, V.R.; YAKIMENKO, L.M.

Chemical-spectral method of the analysis of high-purity alkalies. Zav. lab. 29 no.6:691-692 '63. (MIRA 16:6)

(Alkalies) (Spectrochemistry)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6

BELYAYEV, V.P.; KALINACHENKO, V.R.; KUZ'MIN, N.M.; YAKIMENKO, L.M.; ARS[illegible]YA, [illegible]; RUBENCHIK, Yu.I.; SHEVKUN, I.G.; SHKLOVER, L.P.; BURAVLEV, Yu.M.; PEREPELKINA, M.A.; USTINOVA, V.I.; NEUYMINA, G.P.; ENGEL'SHT, V.S.; TRAPITSYN, N.F.; BULANOV, Yu.A.

Exchange of experience. Zav.lab. 28 no.6:685-687 '62. (MIRA 15:5)

1. Khimicheskiy zavod imeni Voykova (for Shklover). 2. Ural'skiy nauchno-issledovatel'skiy institut chernykh metallov (for Buravlev, Perepelkina, Ustinova, Neuymina). 3. Kirgizskiy gosudarstvennyy universitet (for Engel'sht, Trapitsyn, Bulanov).
(Spectrum analysis)

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BELYAYEV, V.P.

Experimental diagnosis and treatment of epilepsy. Vop.psikh.i nerv. 8:191-204 '62. (MIRA 17:4)

1. Iz 1-go psikhiatricheskogo otdeleniya (nauchnyy rukovoditel' doktor med. nauk T.Ya.Khvilivitskiy) Psikhonevrologicheskogo instituta imeni V.M.Bekhtereva (dir. - B.A.Lebedev).

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BELYAYEV, V. P., insh.

Effect of the speed of motion of the locomotive on the sparking of the traction motor. Trudy OMIIT 37:81-87 '62. (MIRA 17:5)

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BELYAYEV, V.P.; NEBOLYUBOV, Yu.Ye.

Mathematical analysis of the arcing photocurrent of electrical machines. Trudy TEIIZHT 35:42-51 '62. (MIRA 16:8)
(Electric machinery) (Commutation (Electricity))

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The semiconductor properties of ... S/196/61/000/009/050/052
E194/E155

$$\Delta U = \frac{1}{k} \ln \left(\frac{J}{m} + 1 \right)$$

where: J - current density; m - a coefficient depending on the type and condition of the semiconductor (grade of brush); and k - a coefficient depending on the contact temperature. Further investigations of the relationships between the coefficients m and k and various factors that influence the commutation of electrical machines are of great interest. A table is given of values of ΔU for various current densities in the various grades of brush used in traction machines.
7 literature references.
[Abstractor's note: Complete translation.]

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S/196/61/000/009/050/052
E194/E155

AUTHOR: Belyayev, V.P.

TITLE: The semiconductor properties of a brush contact

PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika, no.9, 1961, 11, abstract 9L 55. (Sb. nauchn. tr. Tomskiy elektromekhan. in-t inzh. zh-d. transp. 31, 1960, 82-90)

TEXT: In the track of the brushes, the commutator of an electric machine becomes covered with a film or 'gloss', 0.2 microns thick and consisting mainly of 66% cupric oxide and 22% carbon. Diagram a shows the complete contact between brush and commutator, with the following notation: 1 - current-conducting bridge of carbon grains; 2 - upper layer of 'gloss' consisting of carbon; 3 - layer of cuprous oxide with carbon inclusions; 4 - layer of cuprous oxide containing diffused atoms of copper with N-type conductivity. The equivalent circuit is given in diagram b. This diagram of contact serves as a basis for an explanation of the polar properties of contact and the equation for the volt-ampere characteristics of brush contact:

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BELYAYEV, V.N., kand. tekhn. nauk, dotsent

Traction capacity of flat belt transmissions. Izv. vys. ucheb. zav.; mashinostr. no.1:90-100 '65. (MIRA 18:5)

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BELYAYEV, V.N., dots., kand. tekhn.nauk; BOGATYREV, I.S., kand. tekhn. nauk; BULANZHE, A.V., dots.; VYBORNOV, P.V., st. prepod.; GADOLIN, V.L., dots., kand. tekhn. nauk; GOFMAN, E.I., dots.; DROZDOV, N.A., dots., kand. tekhn.nauk; ZAYTSEVA, L.I., inzh.; IVANOV, V.N., dots., kand. tekhn. nauk; KOROVIN, B.I., dots., kand. tekhn. nauk; LUKIN, V.I., dots., kand. tekhn.nauk; MORIN, I.S., dots., kand. tekhn. nauk; OGRINCHUK, I.A., inzh.; PALOCHKINA, N.V., inzh.; POLYAKOV, D.G., dots.; PARGIN, D.P., kand. tekhn.nauk[deceased]; RASPOPOV, A.G., st. prepod.; RESHETOV, D.N., prof., doktor tekhn. nauk; KASPEROVICH, N.S., inzh., red.; TIKHANOV, A.Ya., tekhn. red.

[Machine parts; atlas of designs] Detali mashin; atlas konstruktsii. Izd.2., perer. i dop. Moskva, Mashgiz, 1963.363 p. (MIRA 16:12)

1. Kollektiv kafedry "Detali mashin" Moskovskogo vysshego tekhnicheskogo uchilishcha im. Baumana (for all except Kasperovich, Tikhanov).

(Machinery--Design and construction)

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BELYAYEV, V. N.; MOISEYEV, I. A.

Automatic anodizing machine. Mashinostroitel' no.12:8-9 D '62. (MIRA 16:1)

(Electrolytic polishing--Equipment and supplies)

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BELYAYEV, V.N., dots., kand. tekhn. nauk; BOGATYREV, I.S., dots., kand. tekhn. nauk; BULANZHE, A.V., dots.; VYBORNOV, P.V., st. prepod.; GADOLIN, V.L., dots., kand. tekhn. nauk; GOFMAN, E.I., st. prepod.; DROZDOV, N.A., dots., kand. tekhn. nauk; ZAYTSEVA, L.I., inzh.; IVANOV, V.N., dots., kand. tekhn. nauk; KOROVIN, B.I., dots., kand. tekhn. nauk; LUKIN, V.I., dots., kand. tekhn. nauk; MORIN, I.S., dots., kand. tekhn. nauk; OGRINCHUK, I.A., inzh.; PALOCHKINA, N.V., inzh.; POLYAKOV, D.G., dots.; PARGIN, D.P., kand. tekhn. nauk; RASPOPOV, A.G., st. prepod.; RESHETOV, D.N., prof., doktor tekhn. nauk; STOLBIN, G.B., dots., kand. tekhn. nauk, retsenzent; KASPEROVICH, N.S., inzh., red.; SMIRNOVA, G.V., tekhn. red.; UVAROVA, A.F., tekhn. red.

[Machine parts; atlas of designs] Detali mashin; atlas konstruktsii. Moskva, Mashgiz, 1962. 346 p. (MIRA 15:3)

1. Kafedra "Detali mashin" Moskovskogo vysshego tekhnicheskogo uchilishcha im. Baumana (for all except Stolbin, Kasperovich, Smirnova, Uvarova).

(Machinery--Design)

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Metals Engineering Handbook. v. 2. 871

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600024-6